



摘要

本编程指南列出了 LMK5B33216 的器件寄存器。

商标

所有商标均为其各自所有者的财产。

1 Device Registers

表 1-1 lists the memory-mapped registers for the Device registers. All register offset addresses not listed in 表 1-1 should be considered as reserved locations and the register contents should not be modified.

表 1-1. DEVICE Registers

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x0	R0	VNDRID_15:8								
0x1	R1	VNDRID								
0x2	R2	PRODID								
0x3	R3	REVID								
0x10	R16	NVMCNT								
0x12	R18	RESERVED				TARGET_ADR_MSB				
0x13	R19	EEREV								
0x14	R20	ROM_PLUS_EE	EE_ROM_PAGE_SEL				RESERVED			
0x15	R21	SPI_3WIRE_DIS	SYNC_SW	RESERVED						
0x16	R22	RESERVED		DPLL3_EN	APLL3_EN	DPLL2_EN	APLL2_EN	DPLL1_EN	APLL1_EN	
0x17	R23	RESERVED	SWRST	RESERVED						
0x18	R24	RESERVED		APLL3_STRT_PRTY		APLL2_STRT_PRTY		APLL1_STRT_PRTY		
0x19	R25	RESERVED								SYNC_EN
0x1A	R26	RESERVED		SYSREF_REQ_MODE		SYSREF_REQ_SEL			SYSREF_REQ_SW	
0x1B	R27	TEC_CNTR_39:32								
0x1C	R28	TEC_CNTR_31:24								
0x1D	R29	TEC_CNTR_23:16								
0x1E	R30	TEC_CNTR_15:8								
0x1F	R31	TEC_CNTR								
0x20	R32	RESERVED							TEC_CNTR_TRIG_SEL	TEC_CNTR_EN
0x21	R33	RESERVED				LOL_PLL1	LOL_PLL2	RESERVED	LOS_FDET_XO	
0x22	R34	LOPL_DPLL_1	LOFL_DPLL_1	RESERVED	HLDOVR1	RESERVED				
0x23	R35	LOPL_DPLL_2	LOFL_DPLL_2	RESERVED	HLDOVR2	RESERVED				
0x24	R36	LOPL_DPLL_3	LOFL_DPLL_3	RESERVED	HLDOVR3	RESERVED				
0x25	R37	RESERVED				LOL_PLL1_MASK	LOL_PLL2_MASK	RESERVED	LOS_FDET_XO_MASK	
0x26	R38	LOPL_DPLL_1_MASK	LOFL_DPLL_1_MASK	HIST1_MASK	HLDOVR1_MASK	REFSWITCH_1_MASK	LOR_MISSC_LK1_MASK	LOR_FREQ1_MASK	LOR_PH1_MASK	
0x27	R39	LOPL_DPLL_2_MASK	LOFL_DPLL_2_MASK	HIST2_MASK	HLDOVR2_MASK	REFSWITCH_2_MASK	LOR_MISSC_LK2_MASK	LOR_FREQ2_MASK	LOR_PH2_MASK	
0x28	R40	LOPL_DPLL_3_MASK	LOFL_DPLL_3_MASK	HIST3_MASK	HLDOVR3_MASK	REFSWITCH_3_MASK	LOR_MISSC_LK3_MASK	LOR_FREQ3_MASK	LOR_PH3_MASK	
0x29	R41	RESERVED				LOL_PLL1_POL	LOL_PLL2_POL	RESERVED	LOS_FDET_XO_POL	
0x2A	R42	LOPL_DPLL_1_POL	LOFL_DPLL_1_POL	HIST1_POL	HLDOVR1_POL	REFSWITCH_1_POL	LOR_MISSC_LK1_POL	LOR_FREQ1_POL	LOR_PH1_POL	
0x2B	R43	LOPL_DPLL_2_POL	LOFL_DPLL_2_POL	HIST2_POL	HLDOVR2_POL	REFSWITCH_2_POL	LOR_MISSC_LK2_POL	LOR_FREQ2_POL	LOR_PH2_POL	
0x2C	R44	LOPL_DPLL_3_POL	LOFL_DPLL_3_POL	HIST3_POL	HLDOVR3_POL	REFSWITCH_3_POL	LOR_MISSC_LK3_POL	LOR_FREQ3_POL	LOR_PH3_POL	

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x2D	R45	RESERVED				LOL_PLL1_I NTR	LOL_PLL2_I NTR	RESERVED	LOS_FDET_ XO_INTR	
0x2E	R46	LOPL_DPLL 1_INTR	LOFL_DPLL 1_INTR	HIST1_INTR	HLDOVR1_I NTR	REFSWITCH 1_INTR	LOR_MISSC LK1_INTR	LOR_FREQ1 _INTR	LOR_PH1_I NTR	
0x2F	R47	LOPL_DPLL 2_INTR	LOFL_DPLL 2_INTR	HIST2_INTR	HLDOVR2_I NTR	REFSWITCH 2_INTR	LOR_MISSC LK2_INTR	LOR_FREQ2 _INTR	LOR_PH2_I NTR	
0x30	R48	LOPL_DPLL 3_INTR	LOFL_DPLL 3_INTR	HIST3_INTR	HLDOVR3_I NTR	REFSWITCH 3_INTR	LOR_MISSC LK3_INTR	LOR_FREQ3 _INTR	LOR_PH3_I NTR	
0x31	R49	RESERVED				INT_LATCH_ OR_LIVE	INT_AND_O R	INT_EN	INT_CLR	
0x32	R50	RESERVED						REF1_VALID _STATUS	REF0_VALID _STATUS	
		RESERVED								
0x34	R52	RESERVED		REF1_PH_S TATUS	RESERVED	REF1_FDET _STATUS	REF0_PH_S TATUS	RESERVED	REF0_FDET _STATUS	
0x35	R53	RESERVED			TEC_CNTR_ HELD	RESERVED				
0x36	R54	RESERVED	GPIO0_IN_F LT_EN	GPIO0_MODE						
0x37	R55	RESERVED	GPIO1_IN_F LT_EN	GPIO1_MODE						
0x38	R56	RESERVED	GPIO2_IN_F LT_EN	GPIO2_MODE						
0x39	R57	RESERVED	GPIO0_SEL							
0x3A	R58	RESERVED	GPIO1_SEL							
0x3B	R59	RESERVED	GPIO2_SEL							
0x3C	R60	RESERVED		GPIO0_OPE ND	GPIO1_OPE ND	GPIO2_OPE ND	GPIO0_POL	GPIO1_POL	GPIO2_POL	
0x3D	R61	RESERVED			GPIO_SYSREF_SEL				MUTE_DPLL 3_PHLOCK	MUTE_DPLL 3_FRLOCK
0x3E	R62	RESERVED	MUTE_APLL 3_LOCK	MUTE_DPLL 2_PHLOCK	MUTE_DPLL 2_FRLOCK	MUTE_APLL 2_LOCK	MUTE_DPLL 1_PHLOCK	MUTE_DPLL 1_FRLOCK	MUTE_APLL 1_LOCK	
0x3F	R63	RESERVED			XO_FDET_B YP	XO_ITYPE				
0x40	R64	RESERVED			XO_OUT_BUF_EN					
0x43	R67	RESERVED			REF1_DC_C OUPLED_E N	REF1_ITYPE				
0x44	R68	RESERVED			REF0_DC_C OUPLED_E N	REF0_ITYPE				
0x46	R70	RESERVED							STATUS_MU X_DIV2_EN	
0x4B	R75	RESERVED	TDC3_ZDM_ BYPASS_FB _DIV	TDC3_ZDM_ FB_PRE_BY P	TDC3_IN_SEL		TDC3_IN_DRV_SEL			
0x4C	R76	RESERVED	TDC2_ZDM_ BYPASS_FB _DIV	TDC2_ZDM_ FB_PRE_BY P	TDC2_IN_SEL		TDC2_IN_DRV_SEL			
0x4D	R77	RESERVED	TDC1_ZDM_ BYPASS_FB _DIV	TDC1_ZDM_ FB_PRE_BY P	TDC1_IN_SEL		TDC1_IN_DRV_SEL			
0x4E	R78	RESERVED		REF_OUT01 _EN	REF_OUT01_SEL					

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x4F	R79	RESERVED		REF0_EARLY_DET_EN	REF0_PH_VALID_EN	REF0_VALTMR_EN	REF0_PPM_EN	REF0_MISS_CLK_EN	RESERVED	
0x50	R80	RESERVED		REF1_EARLY_DET_EN	REF1_PH_VALID_EN	REF1_VALTMR_EN	REF1_PPM_EN	REF1_MISS_CLK_EN	RESERVED	
0x53	R83	RESERVED				REF1_DET_CLK_DIV		REF0_DET_CLK_DIV		
0x54	R84	RESERVED		REF0_MISSCLK_DIV_21:16						
0x55	R85	REF0_MISSCLK_DIV_15:8								
0x56	R86	REF0_MISSCLK_DIV								
0x57	R87	RESERVED		REF1_MISSCLK_DIV_21:16						
0x58	R88	REF1_MISSCLK_DIV_15:8								
0x59	R89	REF1_MISSCLK_DIV								
0x60	R96	RESERVED								REF0_MISS_CLK_VCOSEL
0x61	R97	RESERVED		REF0_EARLY_CLK_DIV_21:16						
0x62	R98	REF0_EARLY_CLK_DIV_15:8								
0x63	R99	REF0_EARLY_CLK_DIV								
0x64	R100	RESERVED		REF1_EARLY_CLK_DIV_21:16						
0x65	R101	REF1_EARLY_CLK_DIV_15:8								
0x66	R102	REF1_EARLY_CLK_DIV								
0x6D	R109	RESERVED	REF0_PPM_MIN_14:8							
0x6E	R110	REF0_PPM_MIN								
0x6F	R111	RESERVED	REF0_PPM_MAX_14:8							
0x70	R112	REF0_PPM_MAX								
0x71	R113	RESERVED	REF1_PPM_MIN_14:8							
0x72	R114	REF1_PPM_MIN								
0x73	R115	RESERVED	REF1_PPM_MAX_14:8							
0x74	R116	REF1_PPM_MAX								
0x9D	R157	RESERVED			REF0VLDTMR					
0x9E	R158	RESERVED			REF1VLDTMR					
0xA1	R161	RESERVED		REF0_PH_VALID_THR_13:8						
0xA2	R162	REF0_PH_VALID_THR								
0xA3	R163	RESERVED		REF1_PH_VALID_THR_13:8						
0xA4	R164	REF1_PH_VALID_THR								
0xAA	R170	NVMSCRC								
0xAB	R171	RESERVED	REGCOMMIT	NVMCR CER	RESERVED		NVMBUSY	NVMERASE	NVMPROG	
0xAD	R173	RESERVED			MEMADR_12:8					
0xAE	R174	MEMADR								
0xB0	R176	RAMDAT								
0xB4	R180	NVMUNLK								
0xDF	R223	RESERVED		DPLL1_REF0_AUTO_PRTY			DPLL1_REF1_AUTO_PRTY			
0xE1	R225	RESERVED		DPLL1_REF4_AUTO_PRTY			DPLL1_REF5_AUTO_PRTY			
0xE2	R226	RESERVED		DPLL1_MAN_REFSEL			DPLL1_MAN_SWITCH_PIN_MODE	DPLL1_SWITCH_MODE		
0xE3	R227	RESERVED		DPLL1_REFSEL_STAT						
0xE4	R228	DPLL1_LOCKDET_PPM_EN	DPLL1_LOCKDET_PPM_MAX_14:8							

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0xE5	R229	DPLL1_LOCKDET_PPM_MAX								
0xE6	R230	RESERVED	DPLL1_UNLOCKDET_PPM_MAX_14:8							
0xE7	R231	DPLL1_UNLOCKDET_PPM_MAX								
0xE8	R232	RESERVED		DPLL1_LOCKDET2_PPM_CNTSTRT_29:24						
0xE9	R233	DPLL1_LOCKDET2_PPM_CNTSTRT_23:16								
0xEA	R234	DPLL1_LOCKDET2_PPM_CNTSTRT_15:8								
0xEB	R235	DPLL1_LOCKDET2_PPM_CNTSTRT								
0xEC	R236	RESERVED		DPLL1_LOCKDET_PPM_CNTSTRT_29:24						
0xED	R237	DPLL1_LOCKDET_PPM_CNTSTRT_23:16								
0xEE	R238	DPLL1_LOCKDET_PPM_CNTSTRT_15:8								
0xEF	R239	DPLL1_LOCKDET_PPM_CNTSTRT								
0xF0	R240	RESERVED		DPLL1_LOCKDET_VCO_PPM_CNTSTRT_29:24						
0xF1	R241	DPLL1_LOCKDET_VCO_PPM_CNTSTRT_23:16								
0xF2	R242	DPLL1_LOCKDET_VCO_PPM_CNTSTRT_15:8								
0xF3	R243	DPLL1_LOCKDET_VCO_PPM_CNTSTRT								
0xF4	R244	RESERVED							DPLL1_STA TUS_PPM_L OCK	
0xF7	R247	DPLL1_LOO P_EN	DPLL1_PHA SE_CANCEL _EN	RESERVED	DPLL1_PHS 1_EN	DPLL1_ZDM _EN	DPLL1_HIST _EN	DPLL1_PHA SE_CANCEL _ALWAYS	RESERVED	
0xF8	R248	DPLL1_HOL D_SLEW_LI M_EN	RESERVED			DPLL1_CLK _DIV_SRC_ SEL		RESERVED		
0xFA	R250	RESERVED			DPLL1_PH_OFFSET_44:40					
0xFB	R251	DPLL1_PH_OFFSET_39:32								
0xFC	R252	DPLL1_PH_OFFSET_31:24								
0xFD	R253	DPLL1_PH_OFFSET_23:16								
0xFE	R254	DPLL1_PH_OFFSET_15:8								
0xFF	R255	DPLL1_PH_OFFSET								
0x100	R256	DPLL1_FREE_RUN_39:32								
0x101	R257	DPLL1_FREE_RUN_31:24								
0x102	R258	DPLL1_FREE_RUN_23:16								
0x103	R259	DPLL1_FREE_RUN_15:8								
0x104	R260	DPLL1_FREE_RUN								
0x122	R290	RESERVED						DPLL1_LCK_TIMER_9:8		
0x123	R291	DPLL1_LCK_TIMER								
0x124	R292	RESERVED						DPLL1_HIST_TIMER_9:8		
0x125	R293	DPLL1_HIST_TIMER								
0x126	R294	RESERVED						DPLL1_HOLD_TIMER_9:8		
0x127	R295	DPLL1_HOLD_TIMER								
0x128	R296	RESERVED						DPLL1_PHS1_TIMER_9:8		
0x129	R297	DPLL1_PHS1_TIMER								
0x12E	R302	RESERVED			DPLL1_HIST_GAIN					
0x12F	R303	RESERVED		DPLL1_PL_THRESH						
0x130	R304	RESERVED		DPLL1_PL_UNLK_THRESH						
0x131	R305	RESERVED		DPLL1_PHS1_THRESH						
0x134	R308	RESERVED		DPLL1_HOLD_SLEW_STEP						

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x136	R310	RESERVED		DPLL1_STA TUS_PL	RESERVED					
0x137	R311	RESERVED			DPLL1_DCO _SLEW_ACT IVE	RESERVED				
0x13A	R314	RESERVED						DPLL1_FB_ DIV_32:32		
0x13B	R315	DPLL1_FB_DIV_31:24								
0x13C	R316	DPLL1_FB_DIV_23:16								
0x13D	R317	DPLL1_FB_DIV_15:8								
0x13E	R318	DPLL1_FB_DIV								
0x13F	R319	DPLL1_FB_NUM_39:32								
0x140	R320	DPLL1_FB_NUM_31:24								
0x141	R321	DPLL1_FB_NUM_23:16								
0x142	R322	DPLL1_FB_NUM_15:8								
0x143	R323	DPLL1_FB_NUM								
0x144	R324	DPLL1_FB_DEN_39:32								
0x145	R325	DPLL1_FB_DEN_31:24								
0x146	R326	DPLL1_FB_DEN_23:16								
0x147	R327	DPLL1_FB_DEN_15:8								
0x148	R328	DPLL1_FB_DEN								
0x149	R329	RESERVED						DPLL1_FB2_ DIV_32:32		
0x14A	R330	DPLL1_FB2_DIV_31:24								
0x14B	R331	DPLL1_FB2_DIV_23:16								
0x14C	R332	DPLL1_FB2_DIV_15:8								
0x14D	R333	DPLL1_FB2_DIV								
0x14E	R334	DPLL1_FB2_NUM_39:32								
0x14F	R335	DPLL1_FB2_NUM_31:24								
0x150	R336	DPLL1_FB2_NUM_23:16								
0x151	R337	DPLL1_FB2_NUM_15:8								
0x152	R338	DPLL1_FB2_NUM								
0x153	R339	DPLL1_FB2_DEN_39:32								
0x154	R340	DPLL1_FB2_DEN_31:24								
0x155	R341	DPLL1_FB2_DEN_23:16								
0x156	R342	DPLL1_FB2_DEN_15:8								
0x157	R343	DPLL1_FB2_DEN								
0x158	R344	RESERVED		DPLL1_REF 5_FB_SEL	DPLL1_REF 4_FB_SEL	RESERVED		DPLL1_REF 1_FB_SEL	DPLL1_REF 0_FB_SEL	
0x159	R345	RESERVED				DPLL1_FB_MASH_ORDER				
0x15A	R346	RESERVED		DPLL1_FB_FDEV_37:32						
0x15B	R347	DPLL1_FB_FDEV_31:24								
0x15C	R348	DPLL1_FB_FDEV_23:16								
0x15D	R349	DPLL1_FB_FDEV_15:8								
0x15E	R350	DPLL1_FB_FDEV								
0x15F	R351	RESERVED						DPLL1_FB_ FDEV_UPDA TE		
0x160	R352	RESERVED						DPLL1_FB_ FDEV_EN		

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x161	R353	DPLL1_FB_NUM_STAT_39:32								
0x162	R354	DPLL1_FB_NUM_STAT_31:24								
0x163	R355	DPLL1_FB_NUM_STAT_23:16								
0x164	R356	DPLL1_FB_NUM_STAT_15:8								
0x165	R357	DPLL1_FB_NUM_STAT								
0x166	R358	RESERVED				DPLL1_REF0_DBLR_EN	DPLL1_REF1_DBLR_EN	RESERVED		
0x167	R359	DPLL1_REF0_RDIV_15:8								
0x168	R360	DPLL1_REF0_RDIV								
0x169	R361	DPLL1_REF1_RDIV_15:8								
0x16A	R362	DPLL1_REF1_RDIV								
0x16F	R367	DPLL1_REF4_RDIV_15:8								
0x170	R368	DPLL1_REF4_RDIV								
0x171	R369	DPLL1_REF5_RDIV_15:8								
0x172	R370	DPLL1_REF5_RDIV								
0x175	R373	RESERVED		DPLL2_REF0_AUTO_PRTY			DPLL2_REF1_AUTO_PRTY			
0x177	R375	RESERVED		DPLL2_REF4_AUTO_PRTY			DPLL2_REF5_AUTO_PRTY			
0x178	R376	RESERVED		DPLL2_MAN_REFSEL			DPLL2_MAN_SWITCH_PIN_MODE	DPLL2_SWITCH_MODE		
0x179	R377	RESERVED		DPLL2_REFSEL_STAT						
0x17A	R378	DPLL2_LOCKDET_PPM_EN	DPLL2_LOCKDET_PPM_MAX_14:8							
0x17B	R379	DPLL2_LOCKDET_PPM_MAX								
0x17C	R380	RESERVED		DPLL2_UNLOCKDET_PPM_MAX_14:8						
0x17D	R381	DPLL2_UNLOCKDET_PPM_MAX								
0x17E	R382	RESERVED		DPLL2_LOCKDET2_PPM_CNTSTRT_29:24						
0x17F	R383	DPLL2_LOCKDET2_PPM_CNTSTRT_23:16								
0x180	R384	DPLL2_LOCKDET2_PPM_CNTSTRT_15:8								
0x181	R385	DPLL2_LOCKDET2_PPM_CNTSTRT								
0x182	R386	RESERVED		DPLL2_LOCKDET_PPM_CNTSTRT_29:24						
0x183	R387	DPLL2_LOCKDET_PPM_CNTSTRT_23:16								
0x184	R388	DPLL2_LOCKDET_PPM_CNTSTRT_15:8								
0x185	R389	DPLL2_LOCKDET_PPM_CNTSTRT								
0x186	R390	RESERVED		DPLL2_LOCKDET_VCO_PPM_CNTSTRT_29:24						
0x187	R391	DPLL2_LOCKDET_VCO_PPM_CNTSTRT_23:16								
0x188	R392	DPLL2_LOCKDET_VCO_PPM_CNTSTRT_15:8								
0x189	R393	DPLL2_LOCKDET_VCO_PPM_CNTSTRT								
0x18A	R394	RESERVED								DPLL2_STATUS_PPM_LOCK
0x18D	R397	DPLL2_LOOP_EN	DPLL2_PHASE_CANCEL_EN	RESERVED	DPLL2_PHASE1_EN	DPLL2_ZDM_EN	DPLL2_HIST_EN	DPLL2_PHASE_CANCEL_ALWAYS	RESERVED	
0x18E	R398	DPLL2_HOLD_SLEW_LIM_EN	RESERVED							
0x190	R400	RESERVED				DPLL2_PH_OFFSET_44:40				
0x191	R401	DPLL2_PH_OFFSET_39:32								

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x192	R402	DPLL2_PH_OFFSET_31:24								
0x193	R403	DPLL2_PH_OFFSET_23:16								
0x194	R404	DPLL2_PH_OFFSET_15:8								
0x195	R405	DPLL2_PH_OFFSET								
0x196	R406	DPLL2_FREE_RUN_39:32								
0x197	R407	DPLL2_FREE_RUN_31:24								
0x198	R408	DPLL2_FREE_RUN_23:16								
0x199	R409	DPLL2_FREE_RUN_15:8								
0x19A	R410	DPLL2_FREE_RUN								
0x1B8	R440	RESERVED						DPLL2_LCK_TIMER_9:8		
0x1B9	R441	DPLL2_LCK_TIMER								
0x1BA	R442	RESERVED						DPLL2_HIST_TIMER_9:8		
0x1BB	R443	DPLL2_HIST_TIMER								
0x1BC	R444	RESERVED						DPLL2_HOLD_TIMER_9:8		
0x1BD	R445	DPLL2_HOLD_TIMER								
0x1BE	R446	RESERVED						DPLL2_PHS1_TIMER_9:8		
0x1BF	R447	DPLL2_PHS1_TIMER								
0x1C4	R452	RESERVED			DPLL2_HIST_GAIN					
0x1C5	R453	RESERVED		DPLL2_PL_THRESH						
0x1C6	R454	RESERVED		DPLL2_PL_UNLK_THRESH						
0x1C7	R455	RESERVED		DPLL2_PHS1_THRESH						
0x1CA	R458	RESERVED		DPLL2_HOLD_SLEW_STEP						
0x1CC	R460	RESERVED		DPLL2_STA TUS_PL	RESERVED					
0x1CD	R461	RESERVED			DPLL2_DCO _SLEW_ACT IVE	RESERVED				
0x1D0	R464	RESERVED							DPLL2_FB_ DIV_32:32	
0x1D1	R465	DPLL2_FB_DIV_31:24								
0x1D2	R466	DPLL2_FB_DIV_23:16								
0x1D3	R467	DPLL2_FB_DIV_15:8								
0x1D4	R468	DPLL2_FB_DIV								
0x1D5	R469	DPLL2_FB_NUM_39:32								
0x1D6	R470	DPLL2_FB_NUM_31:24								
0x1D7	R471	DPLL2_FB_NUM_23:16								
0x1D8	R472	DPLL2_FB_NUM_15:8								
0x1D9	R473	DPLL2_FB_NUM								
0x1DA	R474	DPLL2_FB_DEN_39:32								
0x1DB	R475	DPLL2_FB_DEN_31:24								
0x1DC	R476	DPLL2_FB_DEN_23:16								
0x1DD	R477	DPLL2_FB_DEN_15:8								
0x1DE	R478	DPLL2_FB_DEN								
0x1DF	R479	RESERVED							DPLL2_FB2_ DIV_32:32	
0x1E0	R480	DPLL2_FB2_DIV_31:24								
0x1E1	R481	DPLL2_FB2_DIV_23:16								
0x1E2	R482	DPLL2_FB2_DIV_15:8								

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x1E3	R483	DPLL2_FB2_DIV								
0x1E4	R484	DPLL2_FB2_NUM_39:32								
0x1E5	R485	DPLL2_FB2_NUM_31:24								
0x1E6	R486	DPLL2_FB2_NUM_23:16								
0x1E7	R487	DPLL2_FB2_NUM_15:8								
0x1E8	R488	DPLL2_FB2_NUM								
0x1E9	R489	DPLL2_FB2_DEN_39:32								
0x1EA	R490	DPLL2_FB2_DEN_31:24								
0x1EB	R491	DPLL2_FB2_DEN_23:16								
0x1EC	R492	DPLL2_FB2_DEN_15:8								
0x1ED	R493	DPLL2_FB2_DEN								
0x1EE	R494	RESERVED	DPLL2_REF_5_FB_SEL	RESERVED			DPLL2_REF_1_FB_SEL	DPLL2_REF_0_FB_SEL		
0x1EF	R495	RESERVED				DPLL2_FB_MASH_ORDER				
0x1F0	R496	RESERVED	DPLL2_FB_FDEV_37:32							
0x1F1	R497	DPLL2_FB_FDEV_31:24								
0x1F2	R498	DPLL2_FB_FDEV_23:16								
0x1F3	R499	DPLL2_FB_FDEV_15:8								
0x1F4	R500	DPLL2_FB_FDEV								
0x1F5	R501	RESERVED							DPLL2_FB_FDEV_UPDATE	
0x1F6	R502	RESERVED							DPLL2_FB_FDEV_EN	
0x1F7	R503	DPLL2_FB_NUM_STAT_39:32								
0x1F8	R504	DPLL2_FB_NUM_STAT_31:24								
0x1F9	R505	DPLL2_FB_NUM_STAT_23:16								
0x1FA	R506	DPLL2_FB_NUM_STAT_15:8								
0x1FB	R507	DPLL2_FB_NUM_STAT								
0x1FC	R508	RESERVED			DPLL2_REF_0_DBLR_EN	DPLL2_REF_1_DBLR_EN	RESERVED			
0x1FD	R509	DPLL2_REF0_RDIV_15:8								
0x1FE	R510	DPLL2_REF0_RDIV								
0x1FF	R511	DPLL2_REF1_RDIV_15:8								
0x200	R512	DPLL2_REF1_RDIV								
0x205	R517	DPLL2_REF4_RDIV_15:8								
0x206	R518	DPLL2_REF4_RDIV								
0x207	R519	DPLL2_REF5_RDIV_15:8								
0x208	R520	DPLL2_REF5_RDIV								
0x20B	R523	RESERVED	DPLL3_REF0_AUTO_PRTY			DPLL3_REF1_AUTO_PRTY				
0x20D	R525	RESERVED	DPLL3_REF4_AUTO_PRTY			DPLL3_REF5_AUTO_PRTY				
0x20E	R526	RESERVED	DPLL3_MAN_REFSEL			DPLL3_MAN_SWITCH_PIN_MODE	DPLL3_SWITCH_MODE			
0x20F	R527	RESERVED	DPLL3_REFSEL_STAT							
0x210	R528	DPLL3_LOCKDET_PPM_EN	DPLL3_LOCKDET_PPM_MAX_14:8							
0x211	R529	DPLL3_LOCKDET_PPM_MAX								
0x212	R530	RESERVED	DPLL3_UNLOCKDET_PPM_MAX_14:8							

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x213	R531	DPLL3_UNLOCKDET_PPM_MAX								
0x214	R532	RESERVED		DPLL3_LOCKDET2_PPM_CNTSTRT_29:24						
0x215	R533	DPLL3_LOCKDET2_PPM_CNTSTRT_23:16								
0x216	R534	DPLL3_LOCKDET2_PPM_CNTSTRT_15:8								
0x217	R535	DPLL3_LOCKDET2_PPM_CNTSTRT								
0x218	R536	RESERVED		DPLL3_LOCKDET_PPM_CNTSTRT_29:24						
0x219	R537	DPLL3_LOCKDET_PPM_CNTSTRT_23:16								
0x21A	R538	DPLL3_LOCKDET_PPM_CNTSTRT_15:8								
0x21B	R539	DPLL3_LOCKDET_PPM_CNTSTRT								
0x21C	R540	RESERVED		DPLL3_LOCKDET_VCO_PPM_CNTSTRT_29:24						
0x21D	R541	DPLL3_LOCKDET_VCO_PPM_CNTSTRT_23:16								
0x21E	R542	DPLL3_LOCKDET_VCO_PPM_CNTSTRT_15:8								
0x21F	R543	DPLL3_LOCKDET_VCO_PPM_CNTSTRT								
0x220	R544	RESERVED								DPLL3_STA TUS_PPM_L OCK
0x223	R547	DPLL3_LOO P_EN	DPLL3_PHA SE_CANCEL _EN	DPLL3_FAS TLOCK_ALW AYS	DPLL3_PHS 1_EN	DPLL3_ZDM _EN	DPLL3_HIST _EN	DPLL3_PHA SE_CANCEL _ALWAYS	RESERVED	
0x224	R548	DPLL3_HOL D_SLEW_LI M_EN	RESERVED							
0x226	R550	RESERVED			DPLL3_PH_OFFSET_44:40					
0x227	R551	DPLL3_PH_OFFSET_39:32								
0x228	R552	DPLL3_PH_OFFSET_31:24								
0x229	R553	DPLL3_PH_OFFSET_23:16								
0x22A	R554	DPLL3_PH_OFFSET_15:8								
0x22B	R555	DPLL3_PH_OFFSET								
0x22C	R556	DPLL3_FREE_RUN_39:32								
0x22D	R557	DPLL3_FREE_RUN_31:24								
0x22E	R558	DPLL3_FREE_RUN_23:16								
0x22F	R559	DPLL3_FREE_RUN_15:8								
0x230	R560	DPLL3_FREE_RUN								
0x231	R561	DPLL3_PPM _REF_SEL	RESERVED							
0x24E	R590	RESERVED							DPLL3_LCK_TIMER_9:8	
0x24F	R591	DPLL3_LCK_TIMER								
0x250	R592	RESERVED							DPLL3_HIST_TIMER_9:8	
0x251	R593	DPLL3_HIST_TIMER								
0x252	R594	RESERVED							DPLL3_HOLD_TIMER_9:8	
0x253	R595	DPLL3_HOLD_TIMER								
0x254	R596	RESERVED							DPLL3_PHS1_TIMER_9:8	
0x255	R597	DPLL3_PHS1_TIMER								
0x25A	R602	RESERVED			DPLL3_HIST_GAIN					
0x25B	R603	RESERVED		DPLL3_PL_THRESH						
0x25C	R604	RESERVED		DPLL3_PL_UNLK_THRESH						
0x25D	R605	RESERVED		DPLL3_PHS1_THRESH						
0x262	R610	RESERVED		DPLL3_STA TUS_PL	RESERVED					

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x263	R611	RESERVED			DPLL3_DCO_SLEW_ACTIVE	RESERVED				
0x266	R614	RESERVED							DPLL3_FB_DIV_32:32	
0x267	R615	DPLL3_FB_DIV_31:24								
0x268	R616	DPLL3_FB_DIV_23:16								
0x269	R617	DPLL3_FB_DIV_15:8								
0x26A	R618	DPLL3_FB_DIV								
0x26B	R619	DPLL3_FB_NUM_39:32								
0x26C	R620	DPLL3_FB_NUM_31:24								
0x26D	R621	DPLL3_FB_NUM_23:16								
0x26E	R622	DPLL3_FB_NUM_15:8								
0x26F	R623	DPLL3_FB_NUM								
0x270	R624	DPLL3_FB_DEN_39:32								
0x271	R625	DPLL3_FB_DEN_31:24								
0x272	R626	DPLL3_FB_DEN_23:16								
0x273	R627	DPLL3_FB_DEN_15:8								
0x274	R628	DPLL3_FB_DEN								
0x275	R629	RESERVED							DPLL3_FB2_DIV_32:32	
0x276	R630	DPLL3_FB2_DIV_31:24								
0x277	R631	DPLL3_FB2_DIV_23:16								
0x278	R632	DPLL3_FB2_DIV_15:8								
0x279	R633	DPLL3_FB2_DIV								
0x27A	R634	DPLL3_FB2_NUM_39:32								
0x27B	R635	DPLL3_FB2_NUM_31:24								
0x27C	R636	DPLL3_FB2_NUM_23:16								
0x27D	R637	DPLL3_FB2_NUM_15:8								
0x27E	R638	DPLL3_FB2_NUM								
0x27F	R639	DPLL3_FB2_DEN_39:32								
0x280	R640	DPLL3_FB2_DEN_31:24								
0x281	R641	DPLL3_FB2_DEN_23:16								
0x282	R642	DPLL3_FB2_DEN_15:8								
0x283	R643	DPLL3_FB2_DEN								
0x284	R644	RESERVED	DPLL3_REF_5_FB_SEL	DPLL3_REF_4_FB_SEL	RESERVED			DPLL3_REF_1_FB_SEL	DPLL3_REF_0_FB_SEL	
0x285	R645	RESERVED				DPLL3_FB_MASH_ORDER				
0x286	R646	RESERVED	DPLL3_FB_FDEV_37:32							
0x287	R647	DPLL3_FB_FDEV_31:24								
0x288	R648	DPLL3_FB_FDEV_23:16								
0x289	R649	DPLL3_FB_FDEV_15:8								
0x28A	R650	DPLL3_FB_FDEV								
0x28B	R651	RESERVED							DPLL3_FB_FDEV_UPDATE	
0x28C	R652	RESERVED							DPLL3_FB_FDEV_EN	
0x28D	R653	DPLL3_FB_NUM_STAT_39:32								

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x28E	R654	DPLL3_FB_NUM_STAT_31:24								
0x28F	R655	DPLL3_FB_NUM_STAT_23:16								
0x290	R656	DPLL3_FB_NUM_STAT_15:8								
0x291	R657	DPLL3_FB_NUM_STAT								
0x292	R658	RESERVED				DPLL3_REF_0_DBLR_EN	DPLL3_REF_1_DBLR_EN	RESERVED		
0x293	R659	DPLL3_REF0_RDIV_15:8								
0x294	R660	DPLL3_REF0_RDIV								
0x295	R661	DPLL3_REF1_RDIV_15:8								
0x296	R662	DPLL3_REF1_RDIV								
0x297	R663	DPLL3_REF2_RDIV_15:8								
0x298	R664	DPLL3_REF2_RDIV								
0x29D	R669	DPLL3_REF5_RDIV_15:8								
0x29E	R670	DPLL3_REF5_RDIV								
0x2C3	R707	PLL1_CP_PU_R								
0x2C4	R708	RESERVED						PLL1_CPG		
0x2C5	R709	RESERVED			PLL1_LF_R2					
0x2C6	R710	RESERVED			PLL1_LF_R3					
0x2C7	R711	RESERVED			PLL1_LF_R4					
0x2C8	R712	PLL1_DISABLE_3RD4TH		PLL1_LF_C3			PLL1_LF_C4			
0x2C9	R713	RESERVED							PLL1_RDIV_8:8	
0x2CA	R714	PLL1_RDIV								
0x2CB	R715	RESERVED				PLL1_RDIV_XO_EN	PLL1_RDIV_XO_DBLR_EN	PLL1_RDIV_BYPASS_EN	PLL1_RDIV_MUX_SEL	
0x2CC	R716	RESERVED							PLL1_NDIV_8:8	
0x2CD	R717	PLL1_NDIV								
0x2CE	R718	PLL1_NUM_MSB								
0x2CF	R719	PLL1_NUM_39:32								
0x2D0	R720	PLL1_NUM_31:24								
0x2D1	R721	PLL1_NUM_23:16								
0x2D2	R722	PLL1_NUM_15:8								
0x2D3	R723	PLL1_NUM								
0x2D4	R724	RESERVED		PLL1_DTHRMODE		PLL1_ORDER			PLL1_MODE	
0x2D5	R725	APLL1_NUM_STAT_39:32								
0x2D6	R726	APLL1_NUM_STAT_31:24								
0x2D7	R727	APLL1_NUM_STAT_23:16								
0x2D8	R728	APLL1_NUM_STAT_15:8								
0x2D9	R729	APLL1_NUM_STAT								
0x2DB	R731	PLL1_PRI_DIV_SYNC_EN	PLL1_PRI_DIV_EN	PLL1_PRI_DIV			PLL1_PRI_DIV_DRVR_EN			
0x2DC	R732	PLL1_SEC_DIV_SYNC_EN	PLL1_SEC_DIV_EN	PLL1_SEC_DIV			PLL1_SEC_DIV_DRVR_EN			
0x2DD	R733	PLL1_VCO_BUF_EN	PLL1_VCO_BUF_2REF_EN	PLL1_VCO_BUF_2DPLL_EN	RESERVED	PLL1_VCO_BUF_PPM_CHECK_EN	PLL1_VCO_BUF_FB_TDC_EN			

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x2E0	R736	RESERVED				PLL1_RDIV_TEST_EN	RESERVED			
0x2E5	R741	RESERVED		PLL1_VM_IN_SIDE	PLL1_VM_HI	RESERVED				
0x2E9	R745	RESERVED		PLL1_NDIV_TEST_EN	RESERVED					
0x2EA	R746	RESERVED							PLL1_VCO_PREBUF_EN	
0x305	R773	RESERVED								
0x309	R777	PLL2_CP_PU_R								
0x30A	R778	RESERVED			PLL2_CP_PU_DIS	PLL2_CPG				
0x30B	R779	PLL2_LF_R2								
0x30C	R780	RESERVED			PLL2_LF_R3					
0x30D	R781	RESERVED			PLL2_LF_R4					
0x30E	R782	PLL2_DISABLE_3RD4TH		PLL2_LF_C3			PLL2_LF_C4			
0x30F	R783	RESERVED							PLL2_RDIV_8:8	
0x310	R784	PLL2_RDIV								
0x311	R785	RESERVED			PLL2_RDIV_XO_EN	PLL2_RDIV_XO_DBLR_EN	PLL2_RDIV_BYPASS_EN	PLL2_RDIV_MUX_SEL		
0x312	R786	RESERVED							PLL2_NDIV_8:8	
0x313	R787	PLL2_NDIV								
0x314	R788	PLL2_NUM_MSB								
0x315	R789	PLL2_NUM_39:32								
0x316	R790	PLL2_NUM_31:24								
0x317	R791	PLL2_NUM_23:16								
0x318	R792	PLL2_NUM_15:8								
0x319	R793	PLL2_NUM								
0x31A	R794	RESERVED		PLL2_DTHRMODE		PLL2_ORDER			PLL2_MODE	
0x31B	R795	APLL2_NUM_STAT_39:32								
0x31C	R796	APLL2_NUM_STAT_31:24								
0x31D	R797	APLL2_NUM_STAT_23:16								
0x31E	R798	APLL2_NUM_STAT_15:8								
0x31F	R799	APLL2_NUM_STAT								
0x323	R803	RESERVED			PLL2_VCO_BUF_EN	PLL2_VCO_BUF_2REF_EN	PLL2_VCO_BUF_2DPLL_EN	PLL2_VCO_BUF_2WND_DET_EN		
0x324	R804	RESERVED		PLL2_VCO_DIV_SYNC_EN	PLL2_VCO_DIV_EN	PLL2_VCO_DIV				
0x325	R805	RESERVED	PLL2_VCO_BUF_FB_TDC_EN		PLL2_VCO_DIV_DRVR_EN					
0x328	R808	RESERVED				PLL2_RDIV_TEST_EN	RESERVED			
0x32D	R813	RESERVED		PLL2_VM_IN_SIDE	PLL2_VM_HI	RESERVED				
0x332	R818	RESERVED		PLL2_NDIV_TEST_EN	RESERVED					

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x333	R819	RESERVED							PLL2_VCO_PREBUF_EN	
0x348	R840	PLL3_CPBAW_BLEED								
0x349	R841	RESERVED			PLL3_CP_P U_DIS	PLL3_CPG				
0x34A	R842	RESERVED		PLL3_LF_R2						
0x34B	R843	RESERVED		PLL3_LF_R3						
0x34C	R844	RESERVED		PLL3_LF_R4						
0x34D	R845	RESERVED		PLL3_LF_C3			PLL3_LF_C4			
0x34E	R846	RESERVED							PLL3_RDIV_8:8	
0x34F	R847	PLL3_RDIV								
0x350	R848	RESERVED			PLL3_RDIV_XO_EN	PLL3_RDIV_XO_DBLR_EN	PLL3_RDIV_BYPASS_EN	PLL3_RDIV_MUX_SEL		
0x351	R849	RESERVED							PLL3_NDIV_8:8	
0x352	R850	PLL3_NDIV								
0x353	R851	PLL3_NUM_MSB								
0x354	R852	PLL3_NUM_39:32								
0x355	R853	PLL3_NUM_31:24								
0x356	R854	PLL3_NUM_23:16								
0x357	R855	PLL3_NUM_15:8								
0x358	R856	PLL3_NUM								
0x359	R857	RESERVED		PLL3_DTHRMODE		PLL3_ORDER		PLL3_MODE		
0x35A	R858	APLL3_NUM_STAT_39:32								
0x35B	R859	APLL3_NUM_STAT_31:24								
0x35C	R860	APLL3_NUM_STAT_23:16								
0x35D	R861	APLL3_NUM_STAT_15:8								
0x35E	R862	APLL3_NUM_STAT								
0x360	R864	PLL3_VCO_BUF_OUT_EN				PLL3_VCO_DIV_SYNC_EN	PLL3_PRI_DIV			
0x361	R865	RESERVED		PLL3_VCO_CHAN_DRV_R_IN_EN	PLL3_CHAN_EN					
0x362	R866	RESERVED			PLL3_VCO_BUF_2REF_EN		PLL3_WIN_DET_DRVR_EN	PLL3_VCO_BUF_FB_TDC_EN		
0x368	R872	RESERVED			PLL3_NCLK_TEST_EN	PLL3_RDIV_TEST_EN	RESERVED			
0x3C1	R961	RESERVED	OUT_0_EN	OUT_0_VCM			OUT_0_VOD			
0x3C2	R962	OUT_0_CAP_EN	OUT_0_STATIC_LOW	OUT_0_P_C MOS_EN	OUT_0_N_C MOS_EN	OUT_0_P_IN VERT_POLARITY	OUT_0_N_I NVERT_POLARITY	OUT_0_P_F ORCELOW	OUT_0_N_F ORCELOW	
0x3C3	R963	OUT_0_CONFIGURATION								
0x3C4	R964	RESERVED	OUT_1_EN	OUT_1_VCM			OUT_1_VOD			
0x3C5	R965	OUT_1_CAP_EN	OUT_1_STATIC_LOW	OUT_1_P_C MOS_EN	OUT_1_N_C MOS_EN	OUT_1_P_IN VERT_POLARITY	OUT_1_N_I NVERT_POLARITY	OUT_1_P_F ORCELOW	OUT_1_N_F ORCELOW	
0x3C6	R966	OUT_1_CONFIGURATION								

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
0x3C7	R967	RESERVED						OUT_0_1_C MOS_OUT_ VOLTAGE_S EL	OUT_0_1_C MOS_OUT_ LDO_EN
0x3C8	R968	RESERVED				OUT_0_1_ZDM_TDC_SEL			OUT_0_1_Z DM_EN
0x3C9	R969	RESERVED	OUT_0_1_DI V_MUTE_EN	OUT_0_1_DI V_SYNC_EN	OUT_0_1_S R_DIV_SYN C_EN	OUT_0_1_C H0_CHAN_P OL_SEL	OUT_0_1_C H1_CHAN_P OL_SEL	OUT_0_1_C H0_DIV_EN	OUT_0_1_C H1_DIV_EN
0x3CC	R972	RESERVED						OUT_0_1_C H0_CH_DIV SR_MUX_C LK_SEL	RESERVED
0x3CD	R973	OUT_0_1_CLK_IN_FANOUT						RESERVED	
0x3CE	R974	RESERVED				OUT_0_1_CH0_CH_STATIC_OFFSET_11:8			
0x3CF	R975	OUT_0_1_CH0_CH_STATIC_OFFSET							
0x3D0	R976	RESERVED				OUT_0_1_CH1_CH_STATIC_OFFSET_11:8			
0x3D1	R977	OUT_0_1_CH1_CH_STATIC_OFFSET							
0x3D2	R978	RESERVED				OUT_0_1_CH0_CH_DIV_11:8			
0x3D3	R979	OUT_0_1_CH0_CH_DIV							
0x3D4	R980	RESERVED				OUT_0_1_CH1_CH_DIV_11:8			
0x3D5	R981	OUT_0_1_CH1_CH_DIV							
0x3D6	R982	RESERVED				OUT_0_1_SR_ANA_DELAY			
0x3D7	R983	RESERVED		OUT_0_1_S R_ANA_DEL AY_DIV2_SE L	OUT_0_1_S R_ANA_DEL AY_EN	OUT_0_1_S R_ANA_DEL AY_SMALL_ STEP_EN	OUT_0_1_SR_ANA_DELAY_RANGE		
0x3D8	R984	RESERVED				OUT_0_1_SR_DDLY			
0x3D9	R985	RESERVED				OUT_0_1_SR_DIV_19:16			
0x3DA	R986	OUT_0_1_SR_DIV_15:8							
0x3DB	R987	OUT_0_1_SR_DIV							
0x3DC	R988	RESERVED	OUT_0_1_SR_DIV_STATIC_OFFSET_14:8						
0x3DD	R989	OUT_0_1_SR_DIV_STATIC_OFFSET							
0x3DE	R990	OUT_0_1_S R_REQ_MO DE	OUT_0_1_S R_GPIO_EN	RESERVED	OUT_0_1_PULSE_COUNT			OUT_0_1_SR_MODE	
0x3DF	R991	RESERVED		OUT_0_1_S R_CH0_DIV _BYPASS	RESERVED				
0x400	R1024	RESERVED	OUT_2_EN	OUT_2_VCM			OUT_2_VOD		
0x401	R1025	RESERVED				OUT_2_CAP _EN	OUT_2_CONFIGURATION		
0x402	R1026	OUT_2_CHA N_POL_SEL	OUT_2_CLK_MUX		RESERVED	OUT_2_DIV_ EN	OUT_2_CH_MUX_SEL		
0x403	R1027	RESERVED			OUT_2_MUT E_EN	OUT_2_SYN C_EN	RESERVED		
0x404	R1028	RESERVED				OUT_2_CH_STATIC_OFFSET_11:8			
0x405	R1029	OUT_2_CH_STATIC_OFFSET							
0x406	R1030	RESERVED				OUT_2_CH_DIV_11:8			
0x407	R1031	OUT_2_CH_DIV							
0x420	R1056	RESERVED	OUT_3_EN	OUT_3_VCM			OUT_3_VOD		
0x421	R1057	RESERVED				OUT_3_CAP _EN	OUT_3_CONFIGURATION		

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x422	R1058	OUT_3_CHAN_POL_SEL	OUT_3_CLK_MUX		RESERVED	OUT_3_DIV_EN	OUT_3_CH_MUX_SEL			
0x423	R1059	RESERVED			OUT_3_MUTE_EN	OUT_3_SYNC_EN	RESERVED			
0x424	R1060	RESERVED				OUT_3_CH_STATIC_OFFSET_11:8				
0x425	R1061	OUT_3_CH_STATIC_OFFSET								
0x426	R1062	RESERVED				OUT_3_CH_DIV_11:8				
0x427	R1063	OUT_3_CH_DIV								
0x440	R1088	RESERVED					OUT_4_5_SR_ANA_DLY_BIASTRIM			
0x441	R1089	RESERVED	OUT_4_EN	OUT_4_VCM			OUT_4_VOD			
0x442	R1090	RESERVED	OUT_4_CAP_EN	RESERVED	OUT_4_CONFIGURATION					
0x443	R1091	RESERVED	OUT_5_EN	OUT_5_VCM			OUT_5_VOD			
0x444	R1092	RESERVED	OUT_5_CAP_EN	RESERVED	OUT_5_CONFIGURATION					
0x445	R1093	RESERVED		OUT_4_5_DIV_SYNC_EN	OUT_4_5_SR_DIV_SYNC_EN	RESERVED		OUT_4_5_CHAN_POL_SEL	OUT_4_5_DIV_EN	
0x446	R1094	OUT_4_5_MUTE_EN	OUT_4_5_ZDM_EN	OUT_4_5_CLK_IN_SEL	OUT_4_5_CH_DIV_SR_MUX_CLK_SEL	OUT_4_5_CH_MUX_SEL				
0x447	R1095	RESERVED				OUT_4_5_CH_STATIC_OFFSET_11:8				
0x448	R1096	OUT_4_5_CH_STATIC_OFFSET								
0x449	R1097	RESERVED				OUT_4_5_CH_DIV_11:8				
0x44A	R1098	OUT_4_5_CH_DIV								
0x44B	R1099	RESERVED			OUT_4_5_SR_ANA_DELAY					
0x44C	R1100	RESERVED		OUT_4_5_SR_ANA_DELAY_DIV2_SEL	OUT_4_5_SR_ANA_DELAY_EN	OUT_4_5_SR_ANA_DELAY_SMALL_STEP_EN	OUT_4_5_SR_ANA_DELAY_RANGE			
0x44D	R1101	RESERVED			OUT_4_5_SR_DDL					
0x44E	R1102	RESERVED				OUT_4_5_SR_DIV_19:16				
0x44F	R1103	OUT_4_5_SR_DIV_15:8								
0x450	R1104	OUT_4_5_SR_DIV								
0x451	R1105	RESERVED	OUT_4_5_SR_DIV_STATIC_OFFSET_14:8							
0x452	R1106	OUT_4_5_SR_DIV_STATIC_OFFSET								
0x453	R1107	RESERVED	OUT_4_5_SR_REQ_MODE	OUT_4_5_PULSE_COUNT			OUT_4_5_SR_GPIO_EN	OUT_4_5_SR_MODE		
0x454	R1108	RESERVED			OUT_4_5_SR_CH_DIV_BYPASS	RESERVED				
0x461	R1121	RESERVED	OUT_6_EN	OUT_6_VCM			OUT_6_VOD			
0x462	R1122	RESERVED	OUT_6_CAP_EN	RESERVED	OUT_6_CONFIGURATION					
0x463	R1123	RESERVED	OUT_7_EN	OUT_7_VCM			OUT_7_VOD			
0x464	R1124	RESERVED	OUT_7_CAP_EN	RESERVED	OUT_7_CONFIGURATION					
0x465	R1125	RESERVED		OUT_6_7_DIV_SYNC_EN	OUT_6_7_SR_DIV_SYNC_EN	RESERVED		OUT_6_7_CHAN_POL_SEL	OUT_6_7_DIV_EN	

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x466	R1126	OUT_6_7_MUTE_EN	RESERVED	OUT_6_7_CLK_IN_SEL	OUT_6_7_CH_DIV_SR_MUX_CLK_SEL	OUT_6_7_CH_MUX_SEL				
0x467	R1127	RESERVED			OUT_6_7_CH_STATIC_OFFSET_11:8					
0x468	R1128	OUT_6_7_CH_STATIC_OFFSET								
0x469	R1129	RESERVED			OUT_6_7_CH_DIV_11:8					
0x46A	R1130	OUT_6_7_CH_DIV								
0x46B	R1131	RESERVED			OUT_6_7_SR_ANA_DELAY					
0x46C	R1132	RESERVED		OUT_6_7_SR_ANA_DELAY_DIV2_SEL	OUT_6_7_SR_ANA_DELAY_EN	OUT_6_7_SR_ANA_DELAY_SMALL_STEP_EN	OUT_6_7_SR_ANA_DELAY_RANGE			
0x46D	R1133	RESERVED			OUT_6_7_SR_DDLY					
0x46E	R1134	RESERVED			OUT_6_7_SR_DIV_19:16					
0x46F	R1135	OUT_6_7_SR_DIV_15:8								
0x470	R1136	OUT_6_7_SR_DIV								
0x471	R1137	RESERVED	OUT_6_7_SR_DIV_STATIC_OFFSET_14:8							
0x472	R1138	OUT_6_7_SR_DIV_STATIC_OFFSET								
0x473	R1139	RESERVED	OUT_6_7_SR_REQ_MODE	OUT_6_7_PULSE_COUNT			OUT_6_7_SR_GPIO_EN	OUT_6_7_SR_MODE		
0x474	R1140	RESERVED			OUT_6_7_SR_CH_DIV_BYPASS	RESERVED				
0x481	R1153	RESERVED	OUT_8_EN	OUT_8_VCM			OUT_8_VOD			
0x482	R1154	RESERVED	OUT_8_CAP_EN	RESERVED	OUT_8_CONFIGURATION					
0x483	R1155	RESERVED	OUT_9_EN	OUT_9_VCM			OUT_9_VOD			
0x484	R1156	RESERVED	OUT_9_CAP_EN	RESERVED	OUT_9_CONFIGURATION					
0x485	R1157	RESERVED		OUT_8_9_DIV_SYNC_EN	OUT_8_9_SR_DIV_SYNC_EN	RESERVED		OUT_8_9_CHAN_POL_SEL	OUT_8_9_DIV_EN	
0x486	R1158	OUT_8_9_MUTE_EN	RESERVED	OUT_8_9_CLK_IN_SEL	OUT_8_9_CH_DIV_SR_MUX_CLK_SEL	OUT_8_9_CH_MUX_SEL				
0x487	R1159	RESERVED			OUT_8_9_CH_STATIC_OFFSET_11:8					
0x488	R1160	OUT_8_9_CH_STATIC_OFFSET								
0x489	R1161	RESERVED			OUT_8_9_CH_DIV_11:8					
0x48A	R1162	OUT_8_9_CH_DIV								
0x48B	R1163	RESERVED			OUT_8_9_SR_ANA_DELAY					
0x48C	R1164	RESERVED		OUT_8_9_SR_ANA_DELAY_DIV2_SEL	OUT_8_9_SR_ANA_DELAY_EN	OUT_8_9_SR_ANA_DELAY_SMALL_STEP_EN	OUT_8_9_SR_ANA_DELAY_RANGE			
0x48D	R1165	RESERVED			OUT_8_9_SR_DDLY					
0x48E	R1166	RESERVED			OUT_8_9_SR_DIV_19:16					
0x48F	R1167	OUT_8_9_SR_DIV_15:8								
0x490	R1168	OUT_8_9_SR_DIV								
0x491	R1169	RESERVED	OUT_8_9_SR_DIV_STATIC_OFFSET_14:8							
0x492	R1170	OUT_8_9_SR_DIV_STATIC_OFFSET								

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x493	R1171	RESERVED	OUT_8_9_SR_REQ_MODE	OUT_8_9_PULSE_COUNT			OUT_8_9_SR_GPIO_EN	OUT_8_9_SR_MODE		
0x4A1	R1185	RESERVED	OUT_10_EN	OUT_10_VCM			OUT_10_VOD			
0x4A2	R1186	RESERVED	OUT_10_CAP_EN	RESERVED	OUT_10_CONFIGURATION					
0x4A3	R1187	RESERVED	OUT_11_EN	OUT_11_VCM			OUT_11_VOD			
0x4A4	R1188	RESERVED	OUT_11_CAP_EN	RESERVED	OUT_11_CONFIGURATION					
0x4A5	R1189	RESERVED		OUT_10_11_DIV_SYNC_EN	OUT_10_11_SR_DIV_SYNC_EN	RESERVED		OUT_10_11_CHAN_POL_SEL	OUT_10_11_DIV_EN	
0x4A6	R1190	OUT_10_11_MUTE_EN	OUT_10_11_ZDM_EN	OUT_10_11_CLK_IN_SEL	OUT_10_11_CH_DIV_SR_MUX_CLK_SEL	OUT_10_11_CH_MUX_SEL				
0x4A7	R1191	RESERVED				OUT_10_11_CH_STATIC_OFFSET_11:8				
0x4A8	R1192	OUT_10_11_CH_STATIC_OFFSET								
0x4A9	R1193	RESERVED				OUT_10_11_CH_DIV_11:8				
0x4AA	R1194	OUT_10_11_CH_DIV								
0x4AB	R1195	RESERVED				OUT_10_11_SR_ANA_DELAY				
0x4AC	R1196	RESERVED		OUT_10_11_SR_ANA_DELAY_DIV2_SEL	OUT_10_11_SR_ANA_DELAY_EN	OUT_10_11_SR_ANA_DELAY_SMALL_STEP_EN	OUT_10_11_SR_ANA_DELAY_RANGE			
0x4AD	R1197	RESERVED				OUT_10_11_SR_DDLY				
0x4AE	R1198	RESERVED				OUT_10_11_SR_DIV_19:16				
0x4AF	R1199	OUT_10_11_SR_DIV_15:8								
0x4B0	R1200	OUT_10_11_SR_DIV								
0x4B1	R1201	RESERVED	OUT_10_11_SR_DIV_STATIC_OFFSET_14:8							
0x4B2	R1202	OUT_10_11_SR_DIV_STATIC_OFFSET								
0x4B3	R1203	RESERVED	OUT_10_11_SR_REQ_MODE	OUT_10_11_PULSE_COUNT			OUT_10_11_SR_GPIO_EN	OUT_10_11_SR_MODE		
0x4B4	R1204	RESERVED				OUT_10_11_SR_CH_DIV_BYPASS	RESERVED			
0x4C1	R1217	RESERVED	OUT_12_EN	OUT_12_VCM			OUT_12_VOD			
0x4C2	R1218	RESERVED	OUT_12_CAP_EN	RESERVED	OUT_12_CONFIGURATION					
0x4C3	R1219	RESERVED	OUT_13_EN	OUT_13_VCM			OUT_13_VOD			
0x4C4	R1220	RESERVED	OUT_13_CAP_EN	RESERVED	OUT_13_CONFIGURATION					
0x4C5	R1221	RESERVED		OUT_12_13_DIV_SYNC_EN	OUT_12_13_SR_DIV_SYNC_EN	RESERVED		OUT_12_13_CHAN_POL_SEL	OUT_12_13_DIV_EN	
0x4C6	R1222	OUT_12_13_MUTE_EN	RESERVED	OUT_12_13_CLK_IN_SEL	OUT_12_13_CH_DIV_SR_MUX_CLK_SEL	OUT_12_13_CH_MUX_SEL				
0x4C7	R1223	RESERVED				OUT_12_13_CH_STATIC_OFFSET_11:8				
0x4C8	R1224	OUT_12_13_CH_STATIC_OFFSET								
0x4C9	R1225	RESERVED				OUT_12_13_CH_DIV_11:8				
0x4CA	R1226	OUT_12_13_CH_DIV								

表 1-1. DEVICE Registers (continued)

Offset	Acronym	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	
0x4CB	R1227	RESERVED			OUT_12_13_SR_ANA_DELAY					
0x4CC	R1228	RESERVED		OUT_12_13_SR_ANA_DELAY_DIV2_SEL	OUT_12_13_SR_ANA_DELAY_EN	OUT_12_13_SR_ANA_DELAY_SMALL_STEP_EN	OUT_12_13_SR_ANA_DELAY_RANGE			
0x4CD	R1229	RESERVED			OUT_12_13_SR_DDLY					
0x4CE	R1230	RESERVED				OUT_12_13_SR_DIV_19:16				
0x4CF	R1231	OUT_12_13_SR_DIV_15:8								
0x4D0	R1232	OUT_12_13_SR_DIV								
0x4D1	R1233	RESERVED	OUT_12_13_SR_DIV_STATIC_OFFSET_14:8							
0x4D2	R1234	OUT_12_13_SR_DIV_STATIC_OFFSET								
0x4D3	R1235	RESERVED	OUT_12_13_SR_REQ_MODE	OUT_12_13_PULSE_COUNT			OUT_12_13_SR_GPIO_EN	OUT_12_13_SR_MODE		
0x4D4	R1236	RESERVED			OUT_12_13_SR_CH_DIV_BYPASS	RESERVED				
0x4E0	R1248	RESERVED	OUT_14_EN	OUT_14_VCM			OUT_14_VOD			
0x4E1	R1249	RESERVED				OUT_14_CAP_EN	OUT_14_CONFIGURATION			
0x4E2	R1250	OUT_14_CHAN_POL_SELECT	OUT_14_CLK_MUX		RESERVED	OUT_14_DIV_EN	OUT_14_CH_MUX_SEL			
0x4E3	R1251	RESERVED			OUT_14_MUTE_EN	OUT_14_SYNC_EN	RESERVED			
0x4E4	R1252	RESERVED				OUT_14_CH_STATIC_OFFSET_11:8				
0x4E5	R1253	OUT_14_CH_STATIC_OFFSET								
0x4E6	R1254	RESERVED				OUT_14_CH_DIV_11:8				
0x4E7	R1255	OUT_14_CH_DIV								
0x500	R1280	RESERVED	OUT_15_EN	OUT_15_VCM			OUT_15_VOD			
0x501	R1281	RESERVED				OUT_15_CAP_EN	OUT_15_CONFIGURATION			
0x502	R1282	OUT_15_CHAN_POL_SELECT	OUT_15_CLK_MUX		RESERVED	OUT_15_DIV_EN	OUT_15_CH_MUX_SEL			
0x503	R1283	RESERVED			OUT_15_MUTE_EN	OUT_15_SYNC_EN	RESERVED			
0x504	R1284	RESERVED				OUT_15_CH_STATIC_OFFSET_11:8				
0x505	R1285	OUT_15_CH_STATIC_OFFSET								
0x506	R1286	RESERVED				OUT_15_CH_DIV_11:8				
0x507	R1287	OUT_15_CH_DIV								

Complex bit access types are encoded to fit into small table cells. 表 1-2 shows the codes that are used for access types in this section.

表 1-2. Device Access Type Codes

Access Type	Code	Description
Read Type		
R	R	Read
R-0	R-0	Read Returns 0s
Write Type		

表 1-2. Device Access Type Codes (continued)

Access Type	Code	Description
W	W	Write
W1S	W 1S	Write 1 to set
WSC	W	Write
Reset or Default Value		
-n		Value after reset or the default value

1.1 R0 Register (Offset = 0x0) [Reset = 0x10]Return to the [Summary Table](#).

表 1-3. R0 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	VNDRID_15:8	R	0x10	See Register 1

1.2 R1 Register (Offset = 0x1) [Reset = 0x0B]Return to the [Summary Table](#).

表 1-4. R1 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	VNDRID	R	0xB	Vendor Identification Number. The Vendor Identification Number is a unique 16-bit identification number assigned to I2C/SMBus vendors. ROM=N, EEPROM=N

1.3 R2 Register (Offset = 0x2) [Reset = 0x32]Return to the [Summary Table](#).

表 1-5. R2 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PRODID	R	0x32	Product ID. ROM=N, EEPROM=N

1.4 R3 Register (Offset = 0x3) [Reset = 0x01]Return to the [Summary Table](#).

表 1-6. R3 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REVID	R	0x1	Revision ID. LMK5B33216 = 0x01 ROM=N, EEPROM=N

1.5 R16 Register (Offset = 0x10) [Reset = 0x00]Return to the [Summary Table](#).

表 1-7. R16 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	NVMCNT	R	0x0	NVM Program Count. The NVMCNT increments automatically after every EEPROM Erase/Program Cycle. The NVMCNT value is retrieved automatically after reset, after a NVM Commit operation, or after a Erase/Program cycle. The NVMCNT register will increment until it reaches it's maximum value of 255 after which no further increments will take place. ROM=N, EEPROM=Y

1.6 R18 Register (Offset = 0x12) [Reset = 0x19]

Return to the [Summary Table](#).

表 1-8. R18 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R/W	0x0	Reserved
4:0	TARGET_ADR_MSB	R	0x19	I2C/SMBus Target Address. This field holds the 5 MSB bits of the Target Address used to identify this device during I2C/SMBus transactions. The two least significant bits of the Target Address are defined by CSC/ADD/TEC pin upon power-up. This is user-writable to EEPROM only through SRAM register at address 12. ROM=N, EEPROM=Y

1.7 R19 Register (Offset = 0x13) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-9. R19 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	EEREV	R/W	0x0	EEPROM Image Revision ID. EEPROM Image Revision is automatically retrieved from EEPROM and stored in the EEREV register after a reset or after a NVM commit operation. This is user-writable to EEPROM only through SRAM register address 13. ROM=N, EEPROM=Y

1.8 R20 Register (Offset = 0x14) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-10. R20 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	ROM_PLUS_EE	R/W	0x0	When set, the thin EEPROM settings are loaded. This is user-writable to EEPROM only through SRAM register address 14. ROM=N, EEPROM=Y
6:3	EE_ROM_PAGE_SEL	R/W	0x0	EE_ROM_PAGE_SEL value is added to the GPIO pin value for selecting the start-up ROM. ROM=N, EEPROM=Y
2:0	RESERVED	R/W	0x0	Reserved

1.9 R21 Register (Offset = 0x15) [Reset = 0xA1]

Return to the [Summary Table](#).

表 1-11. R21 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	SPI_3WIRE_DIS	R/W	0x1	Disable SPI 3 wire readback. The SDIO pin will remain input at all times. ROM=Y, EEPROM=N 0x0 = 3-wire SPI readback enabled 0x1 = 3-wire SPI readback disabled
6	SYNC_SW	R/W	0x0	Software SYNC Assertion. Writing a '1' to this bit is equivalent to asserting the SYNC pin. SYNC_EN must also be set to 1. ROM=Y, EEPROM=Y
5:0	RESERVED	R/W	0x21	Reserved

1.10 R22 Register (Offset = 0x16) [Reset = 0x35]

Return to the [Summary Table](#).

表 1-12. R22 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	DPLL3_EN	R/W	0x1	Enable DPLL3. ROM=Y, EEPROM=N
4	APLL3_EN	R/W	0x1	Enable APLL3. ROM=Y, EEPROM=Y
3	DPLL2_EN	R/W	0x0	Enable DPLL2. ROM=Y, EEPROM=N
2	APLL2_EN	R/W	0x1	Enable APLL2. ROM=Y, EEPROM=Y
1	DPLL1_EN	R/W	0x0	Enable DPLL1. ROM=Y, EEPROM=N
0	APLL1_EN	R/W	0x1	Enable APLL1. ROM=Y, EEPROM=Y

1.11 R23 Register (Offset = 0x17) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-13. R23 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	SWRST	R/W	0x0	Software Reset ALL functions (active low). Writing a '0' will cause the device to return to its power-up state apart from the programmed registers and the configuration controller. The configuration controller is excluded to prevent a re-transfer of EEPROM data to on-chip registers. Not a self clearing field. ROM=N, EEPROM=N
5:0	RESERVED	R-0/W1S	0x0	Reserved

1.12 R24 Register (Offset = 0x18) [Reset = 0x06]

Return to the [Summary Table](#).

表 1-14. R24 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:4	APLL3_STRT_PRTY	R/W	0x0	APLL3 Start-up Priority. 0 is highest priority. APLLs with the same priority will start simultaneously. ROM=Y, EEPROM=Y

表 1-14. R24 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:2	APLL2_STRT_PRTY	R/W	0x1	APLL2 Start-up Priority. 0 is highest priority. APLLs with the same priority will start simultaneously. ROM=Y, EEPROM=Y
1:0	APLL1_STRT_PRTY	R/W	0x2	APLL1 Start-up Priority. 0 is highest priority. APLLs with the same priority will start simultaneously. ROM=Y, EEPROM=Y

1.13 R25 Register (Offset = 0x19) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-15. R25 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:1	RESERVED	R/W	0x0	Reserved
0	SYNC_EN	R/W	0x0	Allows SYNC from SYNC_SW and GPIO pin. For GPIO sync, must be set together with SYNC input for GPIOx_MODE. ROM=Y, EEPROM=Y

1.14 R26 Register (Offset = 0x1A) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-16. R26 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:4	SYSREF_REQ_MODE	R/W	0x0	SYSREF Request Mode. Determines how a GPIO input is synchronized to generate a SYSREF request. ROM=Y, EEPROM=N 0x0 = Direct SYSREF request 0x1 = Reserved 0x2 = Reserved 0x3 = Resampled SYSREF request
3:1	SYSREF_REQ_SEL	R/W	0x0	SYSREF Request Select. Choose which output drives the SYSREF_FB_CLK. ROM=Y, EEPROM=N 0x0 = SYSREF0_1_CLK 0x1 = SYSREF6_7_CLK 0x2 = SYSREF4_5_CLK 0x3 = SYSREF8_9_CLK 0x4 = SYSREF10_11_CLK 0x5 = SYSREF12_13_CLK 0x6 = Reserved
0	SYSREF_REQ_SW	R/WSC	0x0	Software SYSREF request trigger ROM=N, EEPROM=N

1.15 R27 Register (Offset = 0x1B) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-17. R27 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	TEC_CNTR_39:32	R	0x0	Time Elapsed Counter Readback ROM=N, EEPROM=N

1.16 R28 Register (Offset = 0x1C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-18. R28 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	TEC_CNTR_31:24	R	0x0	Time Elapsed Counter Readback ROM=N, EEPROM=N

1.17 R29 Register (Offset = 0x1D) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-19. R29 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	TEC_CNTR_23:16	R	0x0	Time Elapsed Counter Readback ROM=N, EEPROM=N

1.18 R30 Register (Offset = 0x1E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-20. R30 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	TEC_CNTR_15:8	R	0x0	Time Elapsed Counter Readback ROM=N, EEPROM=N

1.19 R31 Register (Offset = 0x1F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-21. R31 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	TEC_CNTR	R	0x0	Time Elapsed Counter Readback ROM=N, EEPROM=N

1.20 R32 Register (Offset = 0x20) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-22. R32 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:3	RESERVED	R	0x0	Reserved
2	RESERVED	R/W	0x0	Reserved
1	TEC_CNTR_TRIG_SEL	R/W	0x0	Time Elapsed Counter trigger select. If using GPIO, must also set GPIOx_MODE to provide TEC trigger. ROM=Y, EEPROM=N 0x0 = SPI 0x1 = GPIO
0	TEC_CNTR_EN	R/W	0x0	Time Elapsed Counter counter enable. When transitioning from 0 --> 1, the TEC counter will start from 0. ROM=Y, EEPROM=N

1.21 R33 Register (Offset = 0x21) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-23. R33 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	LOL_PLL1	R	0x0	Loss of Lock - APLL1 ROM=N, EEPROM=N
2	LOL_PLL2	R	0x0	Loss of Lock - APLL2 ROM=N, EEPROM=N
1	RESERVED	R	0x0	Reserved
0	LOS_FDET_XO	R	0x0	Loss of Source Freq Detection - XO ROM=N, EEPROM=N

1.22 R34 Register (Offset = 0x22) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-24. R34 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL1	R	0x0	Loss of Phase Lock - DPLL1 ROM=N, EEPROM=N
6	LOFL_DPLL1	R	0x0	Loss of Frequency Lock - DPLL1 ROM=N, EEPROM=N
5	RESERVED	R	0x0	Reserved
4	HLDOVR1	R	0x0	Holdover event - DPLL1 ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.23 R35 Register (Offset = 0x23) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-25. R35 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL2	R	0x0	Loss of Phase Lock - DPLL2 ROM=N, EEPROM=N
6	LOFL_DPLL2	R	0x0	Loss of Frequency Lock - DPLL2 ROM=N, EEPROM=N
5	RESERVED	R	0x0	Reserved
4	HLDOVR2	R	0x0	Holdover event - DPLL2 ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.24 R36 Register (Offset = 0x24) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-26. R36 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL3	R	0x0	Loss of Phase Lock - DPLL3 ROM=N, EEPROM=N
6	LOFL_DPLL3	R	0x0	Loss of Frequency Lock - DPLL3 ROM=N, EEPROM=N
5	RESERVED	R	0x0	Reserved
4	HLDOVR3	R	0x0	Holdover event - DPLL3 ROM=N, EEPROM=N

表 1-26. R36 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:0	RESERVED	R	0x0	Reserved

1.25 R37 Register (Offset = 0x25) [Reset = 0x00]

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表 1-27. R37 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	LOL_PLL1_MASK	R/W	0x0	Masks Loss of Lock - APLL1. When LOL_PLL1_MASK is 1 then the LOL_PLL1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
2	LOL_PLL2_MASK	R/W	0x0	Masks Loss of Lock - APLL2. When LOL_PLL2_MASK is 1 then the LOL_PLL2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
1	RESERVED	R/W	0x0	Reserved
0	LOS_FDET_XO_MASK	R/W	0x0	Masks Loss of Source Freq Detection - XO. When LOS_FDET_XO_MASK is 1 then the LOS_FDET_XO interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N

1.26 R38 Register (Offset = 0x26) [Reset = 0xFF]

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表 1-28. R38 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL1_MASK	R/W	0x1	Masks Loss of Phase Lock - DPLL1. When LOPL_DPLL1_MASK is 1 then the LOPL_DPLL1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
6	LOFL_DPLL1_MASK	R/W	0x1	Masks Loss of Freq Lock - DPLL1. When LOFL_DPLL1_MASK is 1 then the LOFL_DPLL1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
5	HIST1_MASK	R/W	0x1	Masks Tuning word history update - DPLL1. When HIST1_MASK is 1 then the HIST1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
4	HLDOVR1_MASK	R/W	0x1	Masks Holdover event - DPLL1. When HLDOVR1_MASK is 1 then the HLDOVR1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
3	REFSWITCH1_MASK	R/W	0x1	Masks Reference Switchover - DPLL1. When REFSWITCH1_MASK is 1 then the REFSWITCH1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
2	LOR_MISSCLK1_MASK	R/W	0x1	Masks Loss of Active Reference - Missing Clock - DPLL1. When LOR_MISSCLK1_MASK is 1 then the LOR_MISSCLK1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N

表 1-28. R38 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
1	LOR_FREQ1_MASK	R/W	0x1	Masks Loss of Active Reference - Frequency - DPLL1. When LOR_FREQ1_MASK is 1 then the LOR_FREQ1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
0	LOR_PH1_MASK	R/W	0x1	Masks Loss of Active Reference - Phase - DPLL1. When LOR_PH1_MASK is 1 then the LOR_PH1 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N

1.27 R39 Register (Offset = 0x27) [Reset = 0xFF]

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表 1-29. R39 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL2_MASK	R/W	0x1	Masks Loss of Phase Lock - DPLL2. When LOPL_DPLL2_MASK is 1 then the LOPL_DPLL2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
6	LOFL_DPLL2_MASK	R/W	0x1	Masks Loss of Freq Lock - DPLL2. When LOFL_DPLL2_MASK is 1 then the LOFL_DPLL2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
5	HIST2_MASK	R/W	0x1	Masks Tuning word history update - DPLL2. When HIST2_MASK is 1 then the HIST2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
4	HLDOVR2_MASK	R/W	0x1	Masks Holdover event - DPLL2. When HLDOVR2_MASK is 1 then the HLDOVR2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
3	REFSWITCH2_MASK	R/W	0x1	Masks Reference Switchover - DPLL2. When REFSWITCH2_MASK is 1 then the REFSWITCH2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
2	LOR_MISSCLK2_MASK	R/W	0x1	Masks Loss of Active Reference - Missing Clock - DPLL2. When LOR_MISSCLK2_MASK is 1 then the LOR_MISSCLK2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
1	LOR_FREQ2_MASK	R/W	0x1	Masks Loss of Active Reference - Frequency - DPLL2. When LOR_FREQ2_MASK is 1 then the LOR_FREQ2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
0	LOR_PH2_MASK	R/W	0x1	Masks Loss of Active Reference - Phase - DPLL2. When LOR_PH2_MASK is 1 then the LOR_PH2 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N

1.28 R40 Register (Offset = 0x28) [Reset = 0x20]

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表 1-30. R40 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL3_MASK	R/W	0x0	Masks Loss of Phase Lock - DPLL3. When LOPL_DPLL3_MASK is 1 then the LOPL_DPLL3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N

表 1-30. R40 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
6	LOFL_DPLL3_MASK	R/W	0x0	Masks Loss of Freq Lock - DPLL3. When LOFL_DPLL3_MASK is 1 then the LOFL_DPLL3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
5	HIST3_MASK	R/W	0x1	Masks Tuning word history update - DPLL3. When HIST3_MASK is 1 then the HIST3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
4	HLDOVR3_MASK	R/W	0x0	Masks Holdover event - DPLL3. When HLDOVR3_MASK is 1 then the HLDOVR3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
3	REFSWITCH3_MASK	R/W	0x0	Masks Reference Switchover - DPLL3. When REFSWITCH3_MASK is 1 then the REFSWITCH3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
2	LOR_MISSCLK3_MASK	R/W	0x0	Masks Loss of Active Reference - Missing Clock - DPLL3. When LOR_MISSCLK3_MASK is 1 then the LOR_MISSCLK3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
1	LOR_FREQ3_MASK	R/W	0x0	Masks Loss of Active Reference - Frequency - DPLL3. When LOR_FREQ3_MASK is 1 then the LOR_FREQ3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N
0	LOR_PH3_MASK	R/W	0x0	Masks Loss of Active Reference - Phase - DPLL3. When LOR_PH3_MASK is 1 then the LOR_PH3 interrupt source is masked and will not cause the interrupt signal to be activated. ROM=Y, EEPROM=N

1.29 R41 Register (Offset = 0x29) [Reset = 0x00]

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表 1-31. R41 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	LOL_PLL1_POL	R/W	0x0	LOL_PLL1 Flag Polarity. When LOL_PLL1_POL is 1 then a high on LOL_PLL1 will set the LOL_PLL1_INTR bit in register R45. When LOL_PLL1_POL is 0 then a low on LOL_PLL1 will set the LOL_PLL1_INTR bit. ROM=Y, EEPROM=N
2	LOL_PLL2_POL	R/W	0x0	LOL_PLL2 Flag Polarity. When LOL_PLL2_POL is 1 then a high on LOL_PLL2 will set the LOL_PLL2_INTR bit in register R45. When LOL_PLL2_POL is 0 then a low on LOL_PLL2 will set the LOL_PLL2_INTR bit. ROM=Y, EEPROM=N
1	RESERVED	R/W	0x0	Reserved
0	LOS_FDET_XO_POL	R/W	0x0	LOS_FDET_XO Flag Polarity. When LOS_FDET_XO_POL is 1 then a high on LOS_FDET_XO will set the LOS_FDET_XO_INTR bit in register R45. When LOS_FDET_XO_POL is 0 then a low on LOS_FDET_XO will set the LOS_FDET_XO_INTR bit. ROM=Y, EEPROM=N

1.30 R42 Register (Offset = 0x2A) [Reset = 0x00]

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表 1-32. R42 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL1_POL	R/W	0x0	LOPL_DPLL1 Flag Polarity. When LOPL_DPLL1_POL is 1 then a high on LOPL_DPLL1 will set the LOPL_DPLL1_INTR bit in register R46. When LOPL_DPLL1_POL is 0 then a low on LOPL_DPLL1 will set the LOPL_DPLL1_INTR bit. ROM=Y, EEPROM=N
6	LOFL_DPLL1_POL	R/W	0x0	LOFL_DPLL1 Flag Polarity. When LOFL_DPLL1_POL is 1 then a high on LOFL_DPLL1 will set the LOFL_DPLL1_INTR bit in register R46. When LOFL_DPLL1_POL is 0 then a low on LOFL_DPLL1 will set the LOFL_DPLL1_INTR bit. ROM=Y, EEPROM=N
5	HIST1_POL	R/W	0x0	HIST1 Flag Polarity. When HIST1_POL is 1 then a high on HIST1 will set the HIST1_INTR bit in register R46. When HIST1_POL is 0 then a low on HIST1 will set the HIST1_INTR bit. ROM=Y, EEPROM=N
4	HLDOVR1_POL	R/W	0x0	HLDOVR1 Flag Polarity. When HLDOVR1_POL is 1 then a high on HLDOVR1 will set the HLDOVR1_INTR bit in register R46. When HLDOVR1_POL is 0 then a low on HLDOVR1 will set the HLDOVR1_INTR bit. ROM=Y, EEPROM=N
3	REFSWITCH1_POL	R/W	0x0	REFSWITCH1 Flag Polarity. When REFSWITCH1_POL is 1 then a high on REFSWITCH1 will set the REFSWITCH1_INTR bit in register R46. When REFSWITCH1_POL is 0 then a low on REFSWITCH1 will set the REFSWITCH1_INTR bit. ROM=Y, EEPROM=N
2	LOR_MISSCLK1_POL	R/W	0x0	LOR_MISSCLK1 Flag Polarity. When LOR_MISSCLK1_POL is 1 then a high on LOR_MISSCLK1 will set the LOR_MISSCLK1_INTR in R40. When LOR_MISSCLK1_POL is 0 then a low on LOR_MISSCLK1 will set the LOR_MISSCLK1_INTR bit. ROM=Y, EEPROM=N
1	LOR_FREQ1_POL	R/W	0x0	LOR_FREQ1 Flag Polarity. When LOR_FREQ1_POL is 1 then a high on LOR_FREQ1 will set the LOR_FREQ1_INTR in register R46. When LOR_FREQ1_POL is 0 then a low on LOR_FREQ1 will set the LOR_FREQ1_INTR bit. ROM=Y, EEPROM=N
0	LOR_PH1_POL	R/W	0x0	LOR_PH1 Flag Polarity. When LOR_PH1_POL is 1 then a high on LOR_PH1 will set the LOR_PH1_INTR bit in register R46. When LOR_PH1_POL is 0 then a low on LOR_PH1 will set the LOR_PH1_INTR bit. ROM=Y, EEPROM=N

1.31 R43 Register (Offset = 0x2B) [Reset = 0x00]

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表 1-33. R43 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL2_POL	R/W	0x0	LOPL_DPLL2 Flag Polarity. When LOPL_DPLL2_POL is 1 then a high on LOPL_DPLL2 will set the LOPL_DPLL2_INTR in register R47. When LOPL_DPLL2_POL is 0 then a low on LOPL_DPLL2 will set the LOPL_DPLL2_INTR bit. ROM=Y, EEPROM=N
6	LOFL_DPLL2_POL	R/W	0x0	LOFL_DPLL2 Flag Polarity. When LOFL_DPLL2_POL is 1 then a high on LOFL_DPLL2 will set the LOFL_DPLL2_INTR bit in register R47. When LOFL_DPLL2_POL is 0 then a low on LOFL_DPLL2 will set the LOFL_DPLL2_INTR bit. ROM=Y, EEPROM=N
5	HIST2_POL	R/W	0x0	HIST2 Flag Polarity. When HIST2_POL is 1 then a high on HIST2 will set the HIST2_INTR bit in register R47. When HIST2_POL is 0 then a low on HIST2 will set the HIST2_INTR bit. ROM=Y, EEPROM=N

表 1-33. R43 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4	HLDOVR2_POL	R/W	0x0	HLDOVR2 Flag Polarity. When HLDOVR2_POL is 1 then a high on HLDOVR2 will set the HLDOVR2_INTR bit in register R47. When HLDOVR2_POL is 0 then a low on HLDOVR2 will set the HLDOVR2_INTR bit. ROM=Y, EEPROM=N
3	REFSWITCH2_POL	R/W	0x0	REFSWITCH2 Flag Polarity. When REFSWITCH2_POL is 1 then a high on REFSWITCH2 will set the REFSWITCH2_INTR in R41. When REFSWITCH2_POL is 0 then a low on REFSWITCH2 will set the REFSWITCH2_INTR bit. ROM=Y, EEPROM=N
2	LOR_MISSCLK2_POL	R/W	0x0	LOR_MISSCLK2 Flag Polarity. When LOR_MISSCLK2_POL is 1 then a high on LOR_MISSCLK2 will set the LOR_MISSCLK2_INTR bit in register R47. When LOR_MISSCLK2_POL is 0 then a low on LOR_MISSCLK2 will set the LOR_MISSCLK2_INTR bit. ROM=Y, EEPROM=N
1	LOR_FREQ2_POL	R/W	0x0	LOR_FREQ2 Flag Polarity. When LOR_FREQ2_POL is 1 then a high on LOR_FREQ2 will set the LOR_FREQ2_INTR bit in register R47. When LOR_FREQ2_POL is 0 then a low on LOR_FREQ2 will set the LOR_FREQ2_INTR bit. ROM=Y, EEPROM=N
0	LOR_PH2_POL	R/W	0x0	LOR_FREQ2 Flag Polarity. When LOR_FREQ2_POL is 1 then a high on LOR_FREQ2 will set the LOR_FREQ2_INTR in R41. When LOR_FREQ2_POL is 0 then a low on LOR_FREQ2 will set the LOR_FREQ2_INTR bit. ROM=Y, EEPROM=N

1.32 R44 Register (Offset = 0x2C) [Reset = 0x00]

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表 1-34. R44 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL3_POL	R/W	0x0	LOPL_DPLL3 Flag Polarity. When LOPL_DPLL3_POL is 1 then a high on LOPL_DPLL3 will set the LOPL_DPLL3_INTR bit in register R48. When LOPL_DPLL3_POL is 0 then a low on LOPL_DPLL3 will set the LOPL_DPLL3_INTR bit. ROM=Y, EEPROM=N
6	LOFL_DPLL3_POL	R/W	0x0	LOFL_DPLL3 Flag Polarity. When LOFL_DPLL3_POL is 1 then a high on LOFL_DPLL3 will set the LOFL_DPLL3_INTR bit in register R48. When LOFL_DPLL3_POL is 0 then a low on LOFL_DPLL3 will set the LOFL_DPLL3_INTR bit. ROM=Y, EEPROM=N
5	HIST3_POL	R/W	0x0	HIST3 Flag Polarity. When HIST3_POL is 1 then a high on HIST3 will set the HIST3_INTR bit in register R48. When HIST3_POL is 0 then a low on HIST3 will set the HIST3_INTR bit. ROM=Y, EEPROM=N
4	HLDOVR3_POL	R/W	0x0	HLDOVR3 Flag Polarity. When HLDOVR3_POL is 1 then a high on HLDOVR3 will set the HLDOVR3_INTR bit in register R48. When HLDOVR3_POL is 0 then a low on HLDOVR3 will set the HLDOVR3_INTR bit. ROM=Y, EEPROM=N
3	REFSWITCH3_POL	R/W	0x0	REFSWITCH3 Flag Polarity. When REFSWITCH3_POL is 1 then a high on REFSWITCH3 will set the REFSWITCH3_INTR bit in register R48. When REFSWITCH3_POL is 0 then a low on REFSWITCH3 will set the REFSWITCH3_INTR bit. ROM=Y, EEPROM=N
2	LOR_MISSCLK3_POL	R/W	0x0	LOR_MISSCLK3 Flag Polarity. When LOR_MISSCLK3_POL is 1 then a high on LOR_MISSCLK3 will set the LOR_MISSCLK3_INTR bit in register R48. When LOR_MISSCLK3_POL is 0 then a low on LOR_MISSCLK3 will set the LOR_MISSCLK3_INTR bit. ROM=Y, EEPROM=N

表 1-34. R44 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
1	LOR_FREQ3_POL	R/W	0x0	LOR_FREQ3 Flag Polarity. When LOR_FREQ3_POL is 1 then a high on LOR_FREQ3 will set the LOR_FREQ3_INTR in R42. When LOR_FREQ3_POL is 0 then a low on LOR_FREQ3 will set the LOR_FREQ3_INTR bit. ROM=Y, EEPROM=N
0	LOR_PH3_POL	R/W	0x0	LOR_PH3 Flag Polarity. When LOR_PH3_POL is 1 then a high on LOR_PH3 will set the LOR_PH3_INTR bit in register R48. When LOR_PH3_POL is 0 then a low on LOR_PH3 will set the LOR_PH3_INTR bit. ROM=Y, EEPROM=N

1.33 R45 Register (Offset = 0x2D) [Reset = 0x00]

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表 1-35. R45 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	LOL_PLL1_INTR	R	0x0	LOL_PLL1 Interrupt. The LOL_PLL1_INTR bit is set when a level of the correct polarity is detected on the LOL_PLL1 interrupt source. The LOL_PLL1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
2	LOL_PLL2_INTR	R	0x0	LOL_PLL2 Interrupt. The LOL_PLL2_INTR bit is set when a level of the correct polarity is detected on the LOL_PLL2 interrupt source. The LOL_PLL2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
1	RESERVED	R	0x0	Reserved
0	LOS_FDET_XO_INTR	R	0x0	LOL_FDET_XO Interrupt. The LOL_FDET_XO_INTR bit is set when a level of the correct polarity is detected on the LOL_FDET_XO interrupt source. The LOL_FDET_XO_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N

1.34 R46 Register (Offset = 0x2E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-36. R46 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL1_INTR	R	0x0	LOPL_DPLL1 Interrupt. The LOPL_DPLL1_INTR bit is set when a level of the correct polarity is detected on the LOPL_DPLL1 interrupt source. The LOPL_DPLL1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
6	LOFL_DPLL1_INTR	R	0x0	LOFL_DPLL1 Interrupt. The LOFL_DPLL1_INTR bit is set when a level of the correct polarity is detected on the LOFL_DPLL1 interrupt source. The LOFL_DPLL1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
5	HIST1_INTR	R	0x0	HIST1 Interrupt. The HIST1_INTR bit is set when a level of the correct polarity is detected on the HIST1 interrupt source. The HIST1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
4	HLDOVR1_INTR	R	0x0	HLDOVR1 Interrupt. The HLDOVR1_INTR bit is set when a level of the correct polarity is detected on the HLDOVR1 interrupt source. The HLDOVR1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N

表 1-36. R46 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3	REFSWITCH1_INTR	R	0x0	REFSWITCH1 Interrupt. The REFSWITCH1_INTR bit is set when a level of the correct polarity is detected on the REFSWITCH1 interrupt source. The REFSWITCH1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
2	LOR_MISSCLK1_INTR	R	0x0	LOR_MISSCLK1 Interrupt. The LOR_MISSCLK1_INTR bit is set when a level of the correct polarity is detected on the LOR_MISSCLK1 interrupt source. The LOR_MISSCLK1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
1	LOR_FREQ1_INTR	R	0x0	LOR_FREQ1 Interrupt. The LOR_FREQ1_INTR bit is set when a level of the correct polarity is detected on the LOR_FREQ1 interrupt source. The LOR_FREQ1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
0	LOR_PH1_INTR	R	0x0	LOR_PH1 Interrupt. The LOR_PH1_INTR bit is set when a level of the correct polarity is detected on the LOR_PH1 interrupt source. The LOR_PH1_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N

1.35 R47 Register (Offset = 0x2F) [Reset = 0x00]

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表 1-37. R47 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL2_INTR	R	0x0	LOPL_DPLL2 Interrupt. The LOPL_DPLL2_INTR bit is set when a level of the correct polarity is detected on the LOPL_DPLL2 interrupt source. The LOPL_DPLL2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
6	LOFL_DPLL2_INTR	R	0x0	LOFL_DPLL2 Interrupt. The LOFL_DPLL2_INTR bit is set when a level of the correct polarity is detected on the LOFL_DPLL2 interrupt source. The LOFL_DPLL2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
5	HIST2_INTR	R	0x0	HIST2 Interrupt. The HIST2_INTR bit is set when a level of the correct polarity is detected on the HIST2 interrupt source. The HIST2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
4	HLDOVR2_INTR	R	0x0	HLDOVR2 Interrupt. The HLDOVR2_INTR bit is set when a level of the correct polarity is detected on the HLDOVR2 interrupt source. The HLDOVR2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
3	REFSWITCH2_INTR	R	0x0	REFSWITCH2 Interrupt. The REFSWITCH2_INTR bit is set when a level of the correct polarity is detected on the REFSWITCH2 interrupt source. The REFSWITCH2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
2	LOR_MISSCLK2_INTR	R	0x0	LOR_MISSCLK2 Interrupt. The LOR_MISSCLK2_INTR bit is set when a level of the correct polarity is detected on the LOR_MISSCLK2 interrupt source. The LOR_MISSCLK2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
1	LOR_FREQ2_INTR	R	0x0	LOR_FREQ2 Interrupt. The LOR_FREQ2_INTR bit is set when a level of the correct polarity is detected on the LOR_FREQ2 interrupt source. The LOR_FREQ2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N

表 1-37. R47 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
0	LOR_PH2_INTR	R	0x0	LOR_PH2 Interrupt. The LOR_PH2_INTR bit is set when a level of the correct polarity is detected on the LOR_PH2 interrupt source. The LOR_PH2_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N

1.36 R48 Register (Offset = 0x30) [Reset = 0x00]

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表 1-38. R48 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	LOPL_DPLL3_INTR	R	0x0	LOPL_DPLL3 Interrupt. The LOPL_DPLL3_INTR bit is set when a level of the correct polarity is detected on the LOPL_DPLL3 interrupt source. The LOPL_DPLL3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
6	LOFL_DPLL3_INTR	R	0x0	LOFL_DPLL3 Interrupt. The LOFL_DPLL3_INTR bit is set when a level of the correct polarity is detected on the LOFL_DPLL3 interrupt source. The LOFL_DPLL3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
5	HIST3_INTR	R	0x0	HIST3 Interrupt. The HIST3_INTR bit is set when a level of the correct polarity is detected on the HIST3 interrupt source. The HIST3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
4	HLDOVR3_INTR	R	0x0	HLDOVR3 Interrupt. The HLDOVR3_INTR bit is set when a level of the correct polarity is detected on the HLDOVR3 interrupt source. The HLDOVR3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
3	REFSWITCH3_INTR	R	0x0	REFSWITCH3 Interrupt. The REFSWITCH3_INTR bit is set when a level of the correct polarity is detected on the REFSWITCH3 interrupt source. The REFSWITCH3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
2	LOR_MISSCLK3_INTR	R	0x0	LOR_MISSCLK3 Interrupt. The LOR_MISSCLK3_INTR bit is set when a level of the correct polarity is detected on the LOR_MISSCLK3 interrupt source. The LOR_MISSCLK3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
1	LOR_FREQ3_INTR	R	0x0	LOR_FREQ3 Interrupt. The LOR_FREQ3_INTR bit is set when a level of the correct polarity is detected on the LOR_FREQ3 interrupt source. The LOR_FREQ3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N
0	LOR_PH3_INTR	R	0x0	LOR_PH3 Interrupt. The LOR_PH3_INTR bit is set when a level of the correct polarity is detected on the LOR_PH3 interrupt source. The LOR_PH3_INTR bit is cleared by writing a 1 to INT_CLR. ROM=N, EEPROM=N

1.37 R49 Register (Offset = 0x31) [Reset = 0x02]

Return to the [Summary Table](#).

表 1-39. R49 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved

表 1-39. R49 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3	INT_LATCH_OR_LIVE	R/W	0x0	Interrupt GPIO Output Type Selection. When set to 0, flag interrupts are fed into the reduction AND / reduction OR logic. When set to 1, live interrupts are fed into the reduction AND / reduction OR logic. ROM=Y, EEPROM=N 0x0 = Latch Mode 0x1 = Live Mode
2	INT_AND_OR	R/W	0x0	Interrupt AND/OR Combination. If INT_AND_OR is 1, then the interrupts are combined in an AND structure, in which case ALL un-masked interrupt flags must be active in order to generate the interrupt. If INT_AND_OR is 0, then the interrupts are combined in an OR structure, in which case ANY un-masked interrupt flags can generate the interrupt. ROM=Y, EEPROM=N 0x0 = OR 0x1 = AND
1	INT_EN	R/W	0x1	Interrupt Enable. If INT_EN is 1 then the interrupt circuit is enabled. If INT_EN is 0 the interrupt circuit is disabled. When INT_EN is 0, interrupts cannot be signaled on the GPIOx pins, and the flag registers (*_INTR) will not be updated; however, the live status registers will still reflect the current state of the internal interrupt source signals. To provide an interrupt on a pin, a GPIOx pin must also be configured as interrupt output. Interrupts may be enabled without providing a GPIOx output to allow sticky bits to be set. ROM=Y, EEPROM=N
0	INT_CLR	R/WSC	0x0	Clears all interrupt flag (*_INTR) registers ROM=N, EEPROM=N

1.38 R50 Register (Offset = 0x32) [Reset = 0x00]

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表 1-40. R50 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:2	RESERVED	R	0x0	Reserved
1	REF1_VALID_STATUS	R	0x0	Status of Reference Input Validation for IN1 ROM=N, EEPROM=N
0	REF0_VALID_STATUS	R	0x0	Status of Reference Input Validation for IN0 ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.39 R52 Register (Offset = 0x34) [Reset = 0x00]

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表 1-41. R52 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	REF1_PH_STATUS	R	0x0	Status of Reference 1 Phase Validation ROM=N, EEPROM=N
4	RESERVED	R	0x0	Reserved
3	REF1_FDET_STATUS	R	0x0	Status of Reference 1 Frequency Validation ROM=N, EEPROM=N
2	REF0_PH_STATUS	R	0x0	Status of Reference 0 Phase Validation ROM=N, EEPROM=N
1	RESERVED	R	0x0	Reserved

表 1-41. R52 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
0	REF0_FDET_STATUS	R	0x0	Status of Reference 0 Frequency Validation ROM=N, EEPROM=N

1.40 R53 Register (Offset = 0x35) [Reset = 0x00]

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表 1-42. R53 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	TEC_CNTR_HELD	R	0x0	TEC Held. Reading back a 1 indicates GPIO or SPI event has latched a holdover value. Will clear to 0 after TEC CNTR LSB is read. ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.41 R54 Register (Offset = 0x36) [Reset = 0x00]

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表 1-43. R54 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	GPIO0_IN_FLT_EN	R/W	0x0	Enable GPIO0 Input Pin Deglitch Filter ROM=Y, EEPROM=N

表 1-43. R54 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	GPIO0_MODE	R/W	0x0	<p>Select GPIO0 Pin Operating Mode. ROM=Y, EEPROM=N</p> <p>0x0 = STATUS or INT, Acts as status or interrupt outputs (See section on STATUS/INTERRUPT)</p> <p>0x1 = INSEL01_DPLL1, Selects input 0 or input 1 for DPLL1</p> <p>0x2 = INSEL01_DPLL2, Selects input 0 or input 1 for DPLL2</p> <p>0x3 = INSEL01_DPLL3, Selects input 0 or input 1 for DPLL3</p> <p>0x4 = Reserved</p> <p>0x5 = Reserved</p> <p>0x6 = Reserved</p> <p>0x7 = Reserved</p> <p>0x8 = Reserved</p> <p>0x9 = Reserved</p> <p>0xA = Reserved</p> <p>0xB = Reserved</p> <p>0xC = Reserved</p> <p>0xD = Reserved</p> <p>0xE = Reserved</p> <p>0xF = Reserved</p> <p>0x10 = Reserved</p> <p>0x11 = Reserved</p> <p>0x12 = Reserved</p> <p>0x13 = Reserved</p> <p>0x14 = Reserved</p> <p>0x15 = Reserved</p> <p>0x16 = Reserved</p> <p>0x17 = Reserved</p> <p>0x18 = Reserved</p> <p>0x19 = Reserved</p> <p>0x1A = Reserved</p> <p>0x1B = Reserved</p> <p>0x1C = Reserved</p> <p>0x1D = Reserved</p> <p>0x1E = Reserved</p> <p>0x1F = SYNC, Synchronizes selected outputs on a low-to-high pulse. "1" is normal state for outputs. "0" sets outputs in SYNC.</p> <p>0x20 = SYSREF_REQ, Can request SYSREF pulses on appropriate output channels via low-to-high pulse.</p> <p>0x21 = FDEV_TRIG_DPLL1, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL1</p> <p>0x22 = FDEV_TRIG_DPLL2, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL2</p> <p>0x23 = FDEV_TRIG_DPLL3, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL3</p> <p>0x24 = FDEV_DIR_DPLL1, FDEV_DIR_DPLL1 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative</p> <p>0x25 = FDEV_DIR_DPLL2, FDEV_DIR_DPLL2 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative</p> <p>0x26 = FDEV_DIR_DPLL3, FDEV_DIR_DPLL3 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative</p> <p>0x27 = TEC_TRIG_SEL</p>

1.42 R55 Register (Offset = 0x37) [Reset = 0x00]

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表 1-44. R55 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	GPIO1_IN_FLT_EN	R/W	0x0	<p>Enable GPIO1 Input Pin Deglitch Filter</p> <p>ROM=Y, EEPROM=N</p>

表 1-44. R55 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	GPIO1_MODE	R/W	0x0	<p>Select GPIO1 Pin Operating Mode. ROM=Y, EEPROM=N 0x0 = STATUS or INT, Acts as status or interrupt outputs (See section on STATUS/INTERRUPT) 0x1 = INSEL01_DPLL1, Selects input 0 or input 1 for DPLL1 0x2 = INSEL01_DPLL2, Selects input 0 or input 1 for DPLL2 0x3 = INSEL01_DPLL3, Selects input 0 or input 1 for DPLL3 0x4 = Reserved 0x5 = Reserved 0x6 = Reserved 0x7 = Reserved 0x8 = Reserved 0x9 = Reserved 0xA = Reserved 0xB = Reserved 0xC = Reserved 0xD = Reserved 0xE = Reserved 0xF = Reserved 0x10 = Reserved 0x11 = Reserved 0x12 = Reserved 0x13 = Reserved 0x14 = Reserved 0x15 = Reserved 0x16 = Reserved 0x17 = Reserved 0x18 = Reserved 0x19 = Reserved 0x1A = Reserved 0x1B = Reserved 0x1C = Reserved 0x1D = Reserved 0x1E = Reserved 0x1F = SYNC, Synchronizes selected outputs on a low-to-high pulse. "1" is normal state for outputs. "0" sets outputs in SYNC. 0x20 = SYSREF_REQ, Can request SYSREF pulses on appropriate output channels via low-to-high pulse. 0x21 = FDEV_TRIG_DPLL1, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL1 0x22 = FDEV_TRIG_DPLL2, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL2 0x23 = FDEV_TRIG_DPLL3, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL3 0x24 = FDEV_DIR_DPLL1, FDEV_DIR_DPLL1 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative 0x25 = FDEV_DIR_DPLL2, FDEV_DIR_DPLL2 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative 0x26 = FDEV_DIR_DPLL3, FDEV_DIR_DPLL3 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative 0x27 = TEC_TRIG_SEL</p>

1.43 R56 Register (Offset = 0x38) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-45. R56 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	GPIO2_IN_FLT_EN	R/W	0x0	<p>Enable GPIO2 Input Pin Deglitch Filter ROM=Y, EEPROM=N</p>

表 1-45. R56 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	GPIO2_MODE	R/W	0x0	<p>Select GPIO2 Pin Operating Mode. ROM=Y, EEPROM=N</p> <p>0x0 = STATUS or INT, Acts as status or interrupt outputs (See section on STATUS/INTERRUPT)</p> <p>0x1 = INSEL01_DPLL1, Selects input 0 or input 1 for DPLL1</p> <p>0x2 = INSEL01_DPLL2, Selects input 0 or input 1 for DPLL2</p> <p>0x3 = INSEL01_DPLL3, Selects input 0 or input 1 for DPLL3</p> <p>0x4 = Reserved</p> <p>0x5 = Reserved</p> <p>0x6 = Reserved</p> <p>0x7 = Reserved</p> <p>0x8 = Reserved</p> <p>0x9 = Reserved</p> <p>0xA = Reserved</p> <p>0xB = Reserved</p> <p>0xC = Reserved</p> <p>0xD = Reserved</p> <p>0xE = Reserved</p> <p>0xF = Reserved</p> <p>0x10 = Reserved</p> <p>0x11 = Reserved</p> <p>0x12 = Reserved</p> <p>0x13 = Reserved</p> <p>0x14 = Reserved</p> <p>0x15 = Reserved</p> <p>0x16 = Reserved</p> <p>0x17 = Reserved</p> <p>0x18 = Reserved</p> <p>0x19 = Reserved</p> <p>0x1A = Reserved</p> <p>0x1B = Reserved</p> <p>0x1C = Reserved</p> <p>0x1D = Reserved</p> <p>0x1E = Reserved</p> <p>0x1F = SYNC, Synchronizes selected outputs on a low-to-high pulse. "1" is normal state for outputs. "0" sets outputs in SYNC.</p> <p>0x20 = SYSREF_REQ, Can request SYSREF pulses on appropriate output channels via low-to-high pulse.</p> <p>0x21 = FDEV_TRIG_DPLL1, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL1</p> <p>0x22 = FDEV_TRIG_DPLL2, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL2</p> <p>0x23 = FDEV_TRIG_DPLL3, A rising edge will trigger a frequency change based on the FDEV_DIR_DPLL3</p> <p>0x24 = FDEV_DIR_DPLL1, FDEV_DIR_DPLL1 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative</p> <p>0x25 = FDEV_DIR_DPLL2, FDEV_DIR_DPLL2 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative</p> <p>0x26 = FDEV_DIR_DPLL3, FDEV_DIR_DPLL3 will determine the direction of the FDEV trigger. 0 = Positive and 1 = Negative</p> <p>0x27 = TEC_TRIG_SEL</p>

1.44 R57 Register (Offset = 0x39) [Reset = 0x0C]

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表 1-46. R57 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved

表 1-46. R57 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
6:0	GPIO0_SEL	R/W	0xC	GPIO0 Status Signal Select. ROM=Y, EEPROM=N 0x0 = XO Loss of Signal (LOS) 0x1 = APLL1 Loss of Lock (LOL) 0x2 = APLL2 Loss of Lock (LOL) 0x3 = APLL3 Loss of Lock (LOL) 0x4 = DPLL1 Loss of Phase Lock (LOPL) 0x5 = DPLL1 Loss of Frequency Lock (LOFL) 0x6 = PLL1 LOL DPLL1 LOPL DPLL1 LOFL 0x7 = DPLL2 Loss of Phase Lock (LOPL) 0x8 = DPLL2 Loss of Frequency Lock (LOFL) 0x9 = PLL2 LOL DPLL2 LOPL DPLL2 LOFL 0xA = DPLL3 Loss of Phase Lock (LOPL) 0xB = DPLL3 Loss of Frequency Lock (LOFL) 0xC = PLL3 LOL DPLL3 LOPL DPLL3 LOFL 0xD = DPLL1 DPLL2 DPLL3 LOL 0xE = Interrupt (INTR). Derived from INT_FLAG register bits. 0xF = SPI Readback Data (SDO) 0x10 = Reserved 0x11 = Reserved 0x12 = Reserved 0x13 = Reserved 0x14 = Reserved 0x15 = DPLL1 REF0 Selected 0x16 = DPLL1 REF1 Selected 0x17 = Reserved 0x18 = Reserved 0x19 = Reserved 0x1A = DPLL1 Holdover Active 0x1B = DPLL2 REF0 Selected 0x1C = DPLL2 REF1 Selected 0x1D = Reserved 0x1E = Reserved 0x1F = Reserved 0x20 = DPLL2 Holdover Active 0x21 = DPLL3 REF0 Selected 0x22 = DPLL3 REF1 Selected 0x23 = Reserved 0x24 = Reserved 0x25 = Reserved 0x26 = DPLL3 Holdover Active 0x27 = REF0 Frequency Monitor 0x28 = REF1 Frequency Monitor 0x29 = Reserved 0x2A = Reserved 0x2B = Reserved 0x2C = REF0 Missing Clock Monitor 0x2D = REF1 Missing Clock Monitor 0x2E = Reserved 0x2F = Reserved 0x30 = Reserved 0x31 = Reserved 0x32 = Reserved 0x33 = Reserved 0x34 = Reserved 0x35 = Reserved 0x36 = Reserved 0x37 = Reserved 0x38 = Reserved 0x39 = Reserved 0x3A = Reserved 0x3B = REF0 Phase Validation Monitor 0x3C = REF1 Phase Validation Monitor 0x3D = Reserved 0x3E = Reserved 0x3F = Reserved 0x40 = Reserved 0x41 = Reserved

表 1-46. R57 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x42 = Reserved
				0x43 = Reserved
				0x44 = Reserved
				0x45 = Reserved
				0x46 = Reserved
				0x47 = Reserved
				0x48 = Reserved
				0x49 = Reserved
				0x4A = Reserved
				0x4B = Reserved
				0x4C = Reserved
				0x4D = Reserved
				0x4E = Reserved
				0x4F = Reserved
				0x50 = PLL1 N-Divider Divided By 2
				0x51 = PLL2 N-Divider Divided By 2
				0x52 = PLL3 N-Divider Divided By 2
				0x53 = PLL1 R-Divider Divided By 2
				0x54 = PLL2 R-Divider Divided By 2
				0x55 = PLL3 R-Divider Divided By 2
				0x56 = Reserved
				0x57 = Reserved
				0x58 = Reserved
				0x59 = REF0 Monitor Divider Output Divided By 2
				0x5A = REF1 Monitor Divider Output Divided By 2
				0x5B = Reserved
				0x5C = Reserved
				0x5D = Reserved
				0x5E = Reserved
				0x5F = Reserved
				0x60 = Reserved
				0x61 = Reserved
				0x62 = Reserved
				0x63 = Reserved
				0x64 = Reserved
				0x65 = Reserved
				0x66 = Reserved
				0x67 = Reserved
				0x68 = Reserved
				0x69 = Reserved
				0x6A = Reserved
				0x6B = Reserved
				0x6C = Reserved
				0x6D = Reserved
				0x6E = Reserved
				0x6F = Reserved
				0x70 = Reserved
				0x71 = Reserved
				0x72 = Reserved

1.45 R58 Register (Offset = 0x3A) [Reset = 0x0F]

Return to the [Summary Table](#).

表 1-47. R58 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved

表 1-47. R58 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
6:0	GPIO1_SEL	R/W	0xF	GPIO1 Status Signal Select. ROM=Y, EEPROM=N 0x0 = XO Loss of Signal (LOS) 0x1 = APLL1 Loss of Lock (LOL) 0x2 = APLL2 Loss of Lock (LOL) 0x3 = APLL3 Loss of Lock (LOL) 0x4 = DPLL1 Loss of Phase Lock (LOPL) 0x5 = DPLL1 Loss of Frequency Lock (LOFL) 0x6 = PLL1 LOL DPLL1 LOPL DPLL1 LOFL 0x7 = DPLL2 Loss of Phase Lock (LOPL) 0x8 = DPLL2 Loss of Frequency Lock (LOFL) 0x9 = PLL2 LOL DPLL2 LOPL DPLL2 LOFL 0xA = DPLL3 Loss of Phase Lock (LOPL) 0xB = DPLL3 Loss of Frequency Lock (LOFL) 0xC = PLL3 LOL DPLL3 LOPL DPLL3 LOFL 0xD = DPLL1 DPLL2 DPLL3 LOL 0xE = Interrupt (INTR). Derived from INT_FLAG register bits. 0xF = SPI Readback Data (SDO) 0x10 = Reserved 0x11 = Reserved 0x12 = Reserved 0x13 = Reserved 0x14 = Reserved 0x15 = DPLL1 REF0 Selected 0x16 = DPLL1 REF1 Selected 0x17 = Reserved 0x18 = Reserved 0x19 = Reserved 0x1A = DPLL1 Holdover Active 0x1B = DPLL2 REF0 Selected 0x1C = DPLL2 REF1 Selected 0x1D = Reserved 0x1E = Reserved 0x1F = Reserved 0x20 = DPLL2 Holdover Active 0x21 = DPLL3 REF0 Selected 0x22 = DPLL3 REF1 Selected 0x23 = Reserved 0x24 = Reserved 0x25 = Reserved 0x26 = DPLL3 Holdover Active 0x27 = REF0 Frequency Monitor 0x28 = REF1 Frequency Monitor 0x29 = Reserved 0x2A = Reserved 0x2B = Reserved 0x2C = REF0 Missing Clock Monitor 0x2D = REF1 Missing Clock Monitor 0x2E = Reserved 0x2F = Reserved 0x30 = Reserved 0x31 = Reserved 0x32 = Reserved 0x33 = Reserved 0x34 = Reserved 0x35 = Reserved 0x36 = Reserved 0x37 = Reserved 0x38 = Reserved 0x39 = Reserved 0x3A = Reserved 0x3B = REF0 Phase Validation Monitor 0x3C = REF1 Phase Validation Monitor 0x3D = Reserved 0x3E = Reserved 0x3F = Reserved 0x40 = DPLL1 Phase Cancellation Active 0x41 = Reserved

表 1-47. R58 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x42 = Reserved
				0x43 = Reserved
				0x44 = Reserved
				0x45 = Reserved
				0x46 = Reserved
				0x47 = Reserved
				0x48 = Reserved
				0x49 = Reserved
				0x4A = Reserved
				0x4B = Reserved
				0x4C = Reserved
				0x4D = Reserved
				0x4E = Reserved
				0x4F = Reserved
				0x50 = PLL1 N-Divider Divided By 2
				0x51 = PLL2 N-Divider Divided By 2
				0x52 = PLL3 N-Divider Divided By 2
				0x53 = PLL1 R-Divider Divided By 2
				0x54 = PLL2 R-Divider Divided By 2
				0x55 = PLL3 R-Divider Divided By 2
				0x56 = Reserved
				0x57 = Reserved
				0x58 = Reserved
				0x59 = REF0 Monitor Divider Output Divided By 2
				0x5A = REF1 Monitor Divider Output Divided By 2
				0x5B = Reserved
				0x5C = Reserved
				0x5D = Reserved
				0x5E = Reserved
				0x5F = Reserved
				0x60 = Reserved
				0x61 = Reserved
				0x62 = Reserved
				0x63 = Reserved
				0x64 = Reserved
				0x65 = Reserved
				0x66 = Reserved
				0x67 = Reserved
				0x68 = Reserved
				0x69 = Reserved
				0x6A = Reserved
				0x6B = Reserved
				0x6C = Reserved
				0x6D = Reserved
				0x6E = Reserved
				0x6F = Reserved
				0x70 = Reserved
				0x71 = Reserved
				0x72 = Reserved
				0x73 = Continuous SYSREF / 1-PPS from selected SYSREF DIV

1.46 R59 Register (Offset = 0x3B) [Reset = 0x0E]

Return to the [Summary Table](#).

表 1-48. R59 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved

表 1-48. R59 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
6:0	GPIO2_SEL	R/W	0xE	GPIO2 Status Signal Select. ROM=Y, EEPROM=N 0x0 = XO Loss of Signal (LOS) 0x1 = APLL1 Loss of Lock (LOL) 0x2 = APLL2 Loss of Lock (LOL) 0x3 = APLL3 Loss of Lock (LOL) 0x4 = DPLL1 Loss of Phase Lock (LOPL) 0x5 = DPLL1 Loss of Frequency Lock (LOFL) 0x6 = PLL1 LOL DPLL1 LOPL DPLL1 LOFL 0x7 = DPLL2 Loss of Phase Lock (LOPL) 0x8 = DPLL2 Loss of Frequency Lock (LOFL) 0x9 = PLL2 LOL DPLL2 LOPL DPLL2 LOFL 0xA = DPLL3 Loss of Phase Lock (LOPL) 0xB = DPLL3 Loss of Frequency Lock (LOFL) 0xC = PLL3 LOL DPLL3 LOPL DPLL3 LOFL 0xD = DPLL1 DPLL2 DPLL3 LOL 0xE = Interrupt (INTR). Derived from INT_FLAG register bits. 0xF = SPI Readback Data (SDO) 0x10 = Reserved 0x11 = Reserved 0x12 = Reserved 0x13 = Reserved 0x14 = Reserved 0x15 = DPLL1 REF0 Selected 0x16 = DPLL1 REF1 Selected 0x17 = Reserved 0x18 = Reserved 0x19 = Reserved 0x1A = DPLL1 Holdover Active 0x1B = DPLL2 REF0 Selected 0x1C = DPLL2 REF1 Selected 0x1D = Reserved 0x1E = Reserved 0x1F = Reserved 0x20 = DPLL2 Holdover Active 0x21 = DPLL3 REF0 Selected 0x22 = DPLL3 REF1 Selected 0x23 = Reserved 0x24 = Reserved 0x25 = Reserved 0x26 = DPLL3 Holdover Active 0x27 = REF0 Frequency Monitor 0x28 = REF1 Frequency Monitor 0x29 = Reserved 0x2A = Reserved 0x2B = Reserved 0x2C = REF0 Missing Clock Monitor 0x2D = REF1 Missing Clock Monitor 0x2E = Reserved 0x2F = Reserved 0x30 = Reserved 0x31 = Reserved 0x32 = Reserved 0x33 = Reserved 0x34 = Reserved 0x35 = Reserved 0x36 = Reserved 0x37 = Reserved 0x38 = Reserved 0x39 = Reserved 0x3A = Reserved 0x3B = REF0 Phase Validation Monitor 0x3C = REF1 Phase Validation Monitor 0x3D = Reserved 0x3E = Reserved 0x3F = Reserved 0x40 = DPLL1 Phase Cancellation Active 0x41 = Reserved

表 1-48. R59 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x42 = Reserved 0x43 = Reserved 0x44 = Reserved 0x45 = Reserved 0x46 = Reserved 0x47 = Reserved 0x48 = Reserved 0x49 = Reserved 0x4A = Reserved 0x4B = Reserved 0x4C = Reserved 0x4D = Reserved 0x4E = Reserved 0x4F = Reserved 0x50 = PLL1 N-Divider Divided By 2 0x51 = PLL2 N-Divider Divided By 2 0x52 = PLL3 N-Divider Divided By 2 0x53 = PLL1 R-Divider Divided By 2 0x54 = PLL2 R-Divider Divided By 2 0x55 = PLL3 R-Divider Divided By 2 0x56 = Reserved 0x57 = Reserved 0x58 = Reserved 0x59 = REF0 Monitor Divider Output Divided By 2 0x5A = REF1 Monitor Divider Output Divided By 2 0x5B = Reserved 0x5C = Reserved 0x5D = Reserved 0x5E = Reserved 0x5F = Reserved 0x60 = Reserved 0x61 = Reserved 0x62 = Reserved 0x63 = Reserved 0x64 = Reserved 0x65 = Reserved 0x66 = Reserved 0x67 = Reserved 0x68 = Reserved 0x69 = Reserved 0x6A = Reserved 0x6B = Reserved 0x6C = Reserved 0x6D = Reserved 0x6E = Reserved 0x6F = Reserved 0x70 = Reserved 0x71 = Reserved 0x72 = Reserved 0x73 = Continuous SYSREF / 1-PPS from selected SYSREF DIV

1.47 R60 Register (Offset = 0x3C) [Reset = 0x14]

Return to the [Summary Table](#).

表 1-49. R60 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	GPIO0_OPEND	R/W	0x0	GPIO0 Open Drain Enable ROM=Y, EEPROM=N 0x0 = CMOS 0x1 = NMOS open drain. External pull-up from 1.8 V to 5.5 V supply rail required.

表 1-49. R60 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4	GPIO1_OPEND	R/W	0x1	GPIO1 Open Drain Enable ROM=Y, EEPROM=N 0x0 = CMOS 0x1 = NMOS open drain. External pull-up from 1.8 V to 5.5 V supply rail required.
3	GPIO2_OPEND	R/W	0x0	GPIO2 Open Drain Enable ROM=Y, EEPROM=N 0x0 = CMOS 0x1 = NMOS open drain. External pull-up from 1.8 V to 5.5 V supply rail required.
2	GPIO0_POL	R/W	0x1	GPIO0 Status Output Polarity. The GPIO0_STAT_POL bit defines the polarity of information presented on the GPIO0 output. If GPIO0_STAT_POL is set to 1, then GPIO0 is active high. If GPIO0_STAT_POL is 0, then GPIO0 is active low. ROM=Y, EEPROM=N 0x0 = Active High 0x1 = Active Low
1	GPIO1_POL	R/W	0x0	GPIO1 Status Output Polarity. The GPIO1_STAT_POL bit defines the polarity of information presented on the GPIO1 output. If GPIO1_STAT_POL is set to 1, then GPIO1 is active high. If GPIO1_STAT_POL is 0, then GPIO1 is active low. ROM=Y, EEPROM=N 0x0 = Active High 0x1 = Active Low
0	GPIO2_POL	R/W	0x0	GPIO2 Status Output Polarity. The GPIO2_STAT_POL bit defines the polarity of information presented on the GPIO2 output. If GPIO2_STAT_POL is set to 1, then GPIO2 is active high. If GPIO2_STAT_POL is 0, then GPIO2 is active low. ROM=Y, EEPROM=N 0x0 = Active High 0x1 = Active Low

1.48 R61 Register (Offset = 0x3D) [Reset = 0x00]

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表 1-50. R61 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:2	GPIO_SYSREF_SEL	R/W	0x0	Select SYSREF divider output for GPIO output. When GPIOx_SEL chooses SYSREF divider, this is the SYSREF divider output on the GPIO. This signal is continuous. This could be used for low frequency outputs such as 1-PPS or 8 kHz as a 3.3-V LVCMOS signal. Select SYSREF divider output after static digital delay but before the analog and digital delay and pulser. ROM=Y, EEPROM=N 0x0 = OUT_0_1 0x1 = OUT_6_7 0x2 = OUT_4_5 0x3 = OUT_8_9 0x4 = OUT_10_11 0x5 = OUT_12_13 0x6 = NA 0x7 = NA
1	MUTE_DPLL3_PHLOCK	R/W	0x0	DPLL3 mute enabled during phase lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y
0	MUTE_DPLL3_FRLOCK	R/W	0x0	DPLL3 mute enabled during dpll lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y

1.49 R62 Register (Offset = 0x3E) [Reset = 0x00]

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表 1-51. R62 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	MUTE_APLL3_LOCK	R/W	0x0	APLL3 mute enabled during PLL lock. APLL3 lock detect is always true. ROM=Y, EEPROM=N
5	MUTE_DPLL2_PHLOCK	R/W	0x0	DPLL2 mute enabled during phase lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y
4	MUTE_DPLL2_FRLOCK	R/W	0x0	DPLL2 mute enabled during dpll lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y
3	MUTE_APLL2_LOCK	R/W	0x0	APLL2 mute enabled during PLL lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y
2	MUTE_DPLL1_PHLOCK	R/W	0x0	DPLL1 mute enabled during phase lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y
1	MUTE_DPLL1_FRLOCK	R/W	0x0	DPLL1 mute enabled during dpll lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y
0	MUTE_APLL1_LOCK	R/W	0x0	APLL1 mute enabled during PLL lock. Muted outputs will start clocking glitch free once achieving lock status. ROM=Y, EEPROM=Y

1.50 R63 Register (Offset = 0x3F) [Reset = 0x00]

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表 1-52. R63 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	XO_FDET_BYP	R/W	0x0	Frequency Detector Bypass. When XO_FDET_BYP is set to 1, the output of the XO frequency detector is ignored. ROM=Y, EEPROM=N
3:0	XO_ITYPE	R/W	0x0	XO interface type control. ROM=Y, EEPROM=Y 0x0 = DC-DIFF (ext. term) 0x1 = AC-DIFF (ext. term) 0x3 = LVDS/HSDS (AC-DIFF, int. 100 Ω) 0x4 = HCSL (DC-DIFF, int. 50 Ω to GND) 0x5 = LVPECL (AC-DIFF, int. 50 Ω to GND) 0x8 = CMOS 0xC = S-E (int. 50 Ω)

1.51 R64 Register (Offset = 0x40) [Reset = 0x09]

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表 1-53. R64 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved

表 1-53. R64 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4:0	XO_OUT_BUF_EN	R/W	0x9	Bit position enables XO Output Buffer path to: [0] The XO Freq Detector [1] APLL1 REF [2] APLL2 REF [3] APLL3 REF, and [4] OUT0_1 ROM=Y, EEPROM=Y

1.52 R67 Register (Offset = 0x43) [Reset = 0x00]

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表 1-54. R67 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	RESERVED	R/W	0x0	Reserved
4	REF1_DC_COUPLED_EN	R/W	0x0	DC couple input. Eliminates need for hysteresis for low frequency input clocks. ROM=Y, EEPROM=N
3:0	REF1_ITYPE	R/W	0x0	REF1 interface type control. ROM=Y, EEPROM=N 0x0 = DC-DIFF (ext. term) 0x1 = AC-DIFF (ext. term) 0x2 = DC-DIFF (int. 100 Ω term) 0x3 = LVDS/HSDS (AC-DIFF, int. 100 Ω) 0x4 = HCSL (DC-DIFF, int. 50 Ω to GND) 0x5 = LVPECL (AC-DIFF, int. 50 Ω to GND) 0x8 = CMOS 0xC = S-E (int. 50 Ω)

1.53 R68 Register (Offset = 0x44) [Reset = 0x00]

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表 1-55. R68 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	RESERVED	R/W	0x0	Reserved
4	REF0_DC_COUPLED_EN	R/W	0x0	DC couple input. Eliminates need for hysteresis for low frequency input clocks. ROM=Y, EEPROM=N
3:0	REF0_ITYPE	R/W	0x0	REF0 interface type control. ROM=Y, EEPROM=N 0x0 = DC-DIFF (ext. term) 0x1 = AC-DIFF (ext. term) 0x2 = DC-DIFF (int. 100 Ω term) 0x3 = LVDS/HSDS (AC-DIFF, int. 100 Ω) 0x4 = HCSL (DC-DIFF, int. 50 Ω to GND) 0x5 = LVPECL (AC-DIFF, int. 50 Ω to GND) 0x8 = CMOS 0xC = S-E (int. 50 Ω)

1.54 R70 Register (Offset = 0x46) [Reset = 0x00]

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表 1-56. R70 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	STATUS_MUX_DIV2_EN	R/W	0x0	Enable all DivideBy2 clocks for Status MUX debug signals ROM=N, EEPROM=N

1.55 R75 Register (Offset = 0x4B) [Reset = 0x1A]

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表 1-57. R75 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R/W	0x0	Reserved
6	TDC3_ZDM_BYPASS_FB_DIV	R/W	0x0	Selects TDC3 feedback input source ROM=Y, EEPROM=N 0x0 = Select FB Divider 0x1 = Bypass FB Divider
5	TDC3_ZDM_FB_PRE_BY P	R/W	0x0	Inserts TDC3 feedback divider in series with selected channel divider ROM=Y, EEPROM=N 0x0 = ZDM disabled 0x1 = ZDM enable
4:3	TDC3_IN_SEL	R/W	0x3	Selects TDC3 zero delay input ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = OUT_10_11_ZD_FB 0x2 = OUT_0_1_ZD_FB 0x3 = VCO3 direct (ZDM disabled)
2:0	TDC3_IN_DRV_SEL	R/W	0x2	Enables zero delay input mux output ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = ZDM disabled 0x3 = Reserved 0x4 = Reserved 0x5 = ZDM enabled 0x6 = Reserved 0x7 = Reserved

1.56 R76 Register (Offset = 0x4C) [Reset = 0x1A]

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表 1-58. R76 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R/W	0x0	Reserved
6	TDC2_ZDM_BYPASS_FB_DIV	R/W	0x0	Selects TDC feedback input. 0=FB_DIV, 1=ZD bypass FB DIV ROM=Y, EEPROM=N 0x0 = Select FB Divider 0x1 = Bypass FB Divider
5	TDC2_ZDM_FB_PRE_BY P	R/W	0x0	Inserts TDC feedback divider in series with selected channel divider ROM=Y, EEPROM=N 0x0 = ZDM disabled 0x1 = ZDM enable
4:3	TDC2_IN_SEL	R/W	0x3	Selects zero delay input ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = OUT_4_5_ZD_FB 0x2 = OUT_0_1_ZD_FB 0x3 = VCO2 direct (ZDM disabled)

表 1-58. R76 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	TDC2_IN_DRV_SEL	R/W	0x2	Enables zero delay input mux output ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = ZDM disabled 0x3 = Reserved 0x4 = Reserved 0x5 = ZDM enabled 0x6 = Reserved 0x7 = Reserved

1.57 R77 Register (Offset = 0x4D) [Reset = 0x1A]

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表 1-59. R77 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R/W	0x0	Reserved
6	TDC1_ZDM_BYPASS_FB_DIV	R/W	0x0	Selects TDC feedback input. 0=FB_DIV, 1=ZD bypass FB DIV ROM=Y, EEPROM=N 0x0 = Select FB Divider 0x1 = Bypass FB Divider
5	TDC1_ZDM_FB_PRE_BY P	R/W	0x0	Inserts TDC feedback divider in series with selected channel divider ROM=Y, EEPROM=N 0x0 = ZDM disabled 0x1 = ZDM enable
4:3	TDC1_IN_SEL	R/W	0x3	Selects which output group to feedback for zero delay mode. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = OUT_0_1_ZD_FB 0x2 = OUT_0_1_ZD_FB 0x3 = VCO1 direct (ZDM disabled)
2:0	TDC1_IN_DRV_SEL	R/W	0x2	Enables zero delay input mux output ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = ZDM disabled 0x3 = Reserved 0x4 = Reserved 0x5 = ZDM enabled 0x6 = Reserved 0x7 = Reserved

1.58 R78 Register (Offset = 0x4E) [Reset = 0x00]

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表 1-60. R78 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	REF_OUT01_EN	R/W	0x0	Ref to OUT0_1 Enable. Enables the path for a reference clock (selected by REF_2OUT01_SEL) to be available for selection at OUT0_1. ROM=Y, EEPROM=N

表 1-60. R78 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4:0	REF_OUT01_SEL	R/W	0x0	Ref to OUT0_1 Select. Selects one reference clock which will be fed to the input of OUT0_1 (if path enabled by REF_2OUT01_EN). ROM=Y, EEPROM=N 0x0 = OFF 0x1 = REF0 0x2 = REF1

1.59 R79 Register (Offset = 0x4F) [Reset = 0x2E]Return to the [Summary Table](#).

表 1-61. R79 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	REF0_EARLY_DET_EN	R/W	0x1	REF0 Early Clock Detect Enable ROM=Y, EEPROM=N
4	REF0_PH_VALID_EN	R/W	0x0	REF0 Phase Validation Enable ROM=Y, EEPROM=N
3	REF0_VALTMR_EN	R/W	0x1	REF0 Validation Timer Enable ROM=Y, EEPROM=N
2	REF0_PPM_EN	R/W	0x1	REF0 Freq ppm Enable ROM=Y, EEPROM=N
1	REF0_MISSCLK_EN	R/W	0x1	REF0 Missing Clock Detect Enable ROM=Y, EEPROM=N
0	RESERVED	R/W	0x0	Reserved

1.60 R80 Register (Offset = 0x50) [Reset = 0x2E]Return to the [Summary Table](#).

表 1-62. R80 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	REF1_EARLY_DET_EN	R/W	0x1	REF1 Early Clock Detect Enable ROM=Y, EEPROM=N
4	REF1_PH_VALID_EN	R/W	0x0	REF1 Phase Validation Enable ROM=Y, EEPROM=N
3	REF1_VALTMR_EN	R/W	0x1	REF1 Validation Timer Enable ROM=Y, EEPROM=N
2	REF1_PPM_EN	R/W	0x1	REF1 Freq ppm Enable ROM=Y, EEPROM=N
1	REF1_MISSCLK_EN	R/W	0x1	REF1 Missing Clock Detect Enable ROM=Y, EEPROM=N
0	RESERVED	R/W	0x0	Reserved

1.61 R83 Register (Offset = 0x53) [Reset = 0xAA]Return to the [Summary Table](#).

表 1-63. R83 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R/W	0xA	Reserved

表 1-63. R83 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:2	REF1_DET_CLK_DIV	R/W	0x2	REF1 Clock Detector Divider. Bit 0 controls the divide value (0=Div4, 1=Div16). Bit 1, if set, causes the divider to be bypassed. ROM=Y, EEPROM=N 0x0 = Div By 4 0x1 = Div By 16 0x2 = Bypass 0x3 = Bypass (Reserved)
1:0	REF0_DET_CLK_DIV	R/W	0x2	REF0 Clock Detector Divider. Bit 0 controls the divide value (0=Div4, 1=Div16). Bit 1, if set, causes the divider to be bypassed. ROM=Y, EEPROM=N 0x0 = Div By 4 0x1 = Div By 16 0x2 = Bypass 0x3 = Bypass (Reserved)

1.62 R84 Register (Offset = 0x54) [Reset = 0x00]

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表 1-64. R84 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	REF0_MISSCLK_DIV_21:16	R/W	0x0	See Register 86

1.63 R85 Register (Offset = 0x55) [Reset = 0x00]

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表 1-65. R85 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_MISSCLK_DIV_15:8	R/W	0x0	See Register 86

1.64 R86 Register (Offset = 0x56) [Reset = 0x36]

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表 1-66. R86 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_MISSCLK_DIV	R/W	0x36	REF0 Missing Clock Detector Divider. 21-bit divide value. Should be equal to the ratio of either VCO3/2 to REF0 or VCO2/5 to REF0 (determined by REF0_MISSCLK_VCOSEL selection) with some offset added for upper bound. ROM=Y, EEPROM=N

1.65 R87 Register (Offset = 0x57) [Reset = 0x00]

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表 1-67. R87 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	REF1_MISSCLK_DIV_21:16	R/W	0x0	See Register 89

1.66 R88 Register (Offset = 0x58) [Reset = 0x00]

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表 1-68. R88 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_MISSCLK_DIV_15:8	R/W	0x0	See Register 89

1.67 R89 Register (Offset = 0x59) [Reset = 0x36]

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表 1-69. R89 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_MISSCLK_DIV	R/W	0x36	REF1 Missing Clock Detector Divider. 21-bit divide value. Should be equal to the ratio of either VCO3/2 to REF1 or VCO2/5 to REF1 (determined by REF0_MISSCLK_VCOSEL selection) with some offset added for upper bound. ROM=Y, EEPROM=N

1.68 R96 Register (Offset = 0x60) [Reset = 0x00]

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表 1-70. R96 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:1	RESERVED	R/W	0x0	Reserved
0	REF0_MISSCLK_VCOSEL	R/W	0x0	Missing/Early Clock Detector VCO selection for all references. Also selects TEC clock source. ROM=Y, EEPROM=N 0x0 = VCO3 0x1 = VCO2

1.69 R97 Register (Offset = 0x61) [Reset = 0x00]

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表 1-71. R97 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	REF0_EARLY_CLK_DIV_21:16	R/W	0x0	See Register 99

1.70 R98 Register (Offset = 0x62) [Reset = 0x00]

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表 1-72. R98 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_EARLY_CLK_DIV_15:8	R/W	0x0	See Register 99

1.71 R99 Register (Offset = 0x63) [Reset = 0x2E]

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表 1-73. R99 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_EARLY_CLK_DIV	R/W	0x2E	REF0 Early Clock Detector Divider. 21-bit divide value. Should be equal to the ratio of either VCO3/2 to REF0 or VCO2/5 to REF0 (determined by REF0_MISSCLK_VCOSEL selection) with some offset subtracted for lower bound. ROM=Y, EEPROM=N

1.72 R100 Register (Offset = 0x64) [Reset = 0x00]

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表 1-74. R100 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	REF1_EARLY_CLK_DIV_21:16	R/W	0x0	See Register 102

1.73 R101 Register (Offset = 0x65) [Reset = 0x00]

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表 1-75. R101 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_EARLY_CLK_DIV_15:8	R/W	0x0	See Register 102

1.74 R102 Register (Offset = 0x66) [Reset = 0x2E]

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表 1-76. R102 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_EARLY_CLK_DIV	R/W	0x2E	REF1 Early Clock Detector Divider. 21-bit divide value. Should be equal to the ratio of either VCO3/2 to REF1 or VCO2/5 to REF1 (determined by REF0_MISSCLK_VCOSEL selection) with some offset subtracted for lower bound. ROM=Y, EEPROM=N

1.75 R109 Register (Offset = 0x6D) [Reset = 0x00]

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表 1-77. R109 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	REF0_PPM_MIN_14:8	R/W	0x0	See Register 110

1.76 R110 Register (Offset = 0x6E) [Reset = 0x0E]

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表 1-78. R110 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_PPM_MIN	R/W	0xE	REF0 Frequency PPM Lower Limit ROM=Y, EEPROM=N

1.77 R111 Register (Offset = 0x6F) [Reset = 0x00]Return to the [Summary Table](#).

表 1-79. R111 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	REF0_PPM_MAX_14:8	R/W	0x0	See Register 112

1.78 R112 Register (Offset = 0x70) [Reset = 0x14]Return to the [Summary Table](#).

表 1-80. R112 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_PPM_MAX	R/W	0x14	REF0 Frequency PPM Upper Limit ROM=Y, EEPROM=N

1.79 R113 Register (Offset = 0x71) [Reset = 0x00]Return to the [Summary Table](#).

表 1-81. R113 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	REF1_PPM_MIN_14:8	R/W	0x0	See Register 114

1.80 R114 Register (Offset = 0x72) [Reset = 0x0E]Return to the [Summary Table](#).

表 1-82. R114 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_PPM_MIN	R/W	0xE	REF1 Frequency PPM Lower Limit ROM=Y, EEPROM=N

1.81 R115 Register (Offset = 0x73) [Reset = 0x00]Return to the [Summary Table](#).

表 1-83. R115 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	REF1_PPM_MAX_14:8	R/W	0x0	See Register 116

1.82 R116 Register (Offset = 0x74) [Reset = 0x14]Return to the [Summary Table](#).

表 1-84. R116 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_PPM_MAX	R/W	0x14	REF1 Frequency PPM Upper Limit ROM=Y, EEPROM=N

1.83 R157 Register (Offset = 0x9D) [Reset = 0x0A]

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表 1-85. R157 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	REF0VLDTMR	R/W	0xA	REF0 Validation Timer. All selected validations must be valid for selected amount of time before the IN0/REF0 is considered valid. ROM=Y, EEPROM=N 0x0 = 0.1 ms 0x1 = 0.2 ms 0x2 = 0.4 ms 0x3 = 0.8 ms 0x4 = 1.6 ms 0x5 = 3.2 ms 0x6 = 6.4 ms 0x7 = 12.8 ms 0x8 = 25.6 ms 0x9 = 51.2 ms 0xA = 102.4 ms 0xB = 204.8 ms 0xC = 409.6 ms 0xD = 819.2 ms 0xE = 1.6 s 0xF = 3.3 s 0x10 = 6.6 s 0x11 = 13.1 s 0x12 = 26.2 s 0x13 = 52.4 s 0x14 = 1.7 min 0x15 = 3.5 min 0x16 = 7.0 min 0x17 = 14.0 min 0x18 = 28.0 min 0x19 = 55.9 min 0x1A = 1.9 hr 0x1B = 3.7 hr 0x1C = 7.5 hr 0x1D = 14.9 hr 0x1E = 29.8 hr 0x1F = 59.7 hr

1.84 R158 Register (Offset = 0x9E) [Reset = 0x0A]

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表 1-86. R158 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved

表 1-86. R158 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4:0	REF1VLDTMR	R/W	0xA	REF1 Validation Timer. All selected validations must be valid for selected amount of time before the IN1/REF1 is considered valid. ROM=Y, EEPROM=N 0x0 = 0.1 ms 0x1 = 0.2 ms 0x2 = 0.4 ms 0x3 = 0.8 ms 0x4 = 1.6 ms 0x5 = 3.2 ms 0x6 = 6.4 ms 0x7 = 12.8 ms 0x8 = 25.6 ms 0x9 = 51.2 ms 0xA = 102.4 ms 0xB = 204.8 ms 0xC = 409.6 ms 0xD = 819.2 ms 0xE = 1.6 s 0xF = 3.3 s 0x10 = 6.6 s 0x11 = 13.1 s 0x12 = 26.2 s 0x13 = 52.4 s 0x14 = 1.7 min 0x15 = 3.5 min 0x16 = 7.0 min 0x17 = 14.0 min 0x18 = 28.0 min 0x19 = 55.9 min 0x1A = 1.9 hr 0x1B = 3.7 hr 0x1C = 7.5 hr 0x1D = 14.9 hr 0x1E = 29.8 hr 0x1F = 59.7 hr

1.85 R161 Register (Offset = 0xA1) [Reset = 0x00]Return to the [Summary Table](#).

表 1-87. R161 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	REF0_PH_VALID_THR_1 3:8	R/W	0x0	REF0 Phase Validation Threshold ROM=Y, EEPROM=N

1.86 R162 Register (Offset = 0xA2) [Reset = 0x00]Return to the [Summary Table](#).

表 1-88. R162 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF0_PH_VALID_THR	R/W	0x0	REF0 Phase Validation Threshold ROM=Y, EEPROM=N

1.87 R163 Register (Offset = 0xA3) [Reset = 0x00]Return to the [Summary Table](#).

表 1-89. R163 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	REF1_PH_VALID_THR_1 3:8	R/W	0x0	REF1 Phase Validation Threshold ROM=Y, EEPROM=N

1.88 R164 Register (Offset = 0xA4) [Reset = 0x00]

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表 1-90. R164 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	REF1_PH_VALID_THR	R/W	0x0	REF1 Phase Validation Threshold ROM=Y, EEPROM=N

1.89 R170 Register (Offset = 0xAA) [Reset = 0x00]

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表 1-91. R170 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	NVMSCRC	R	0x0	NVM Stored CRC ROM=N, EEPROM=N

1.90 R171 Register (Offset = 0xAB) [Reset = 0x00]

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表 1-92. R171 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	REGCOMMIT	R/WSC	0x0	Copy fields which also exist in SRAM to SRAM memory. The REGCOMMIT bit is automatically cleared to 0 when the transfer is complete. Next an EEPROM programming operation may be performed to update NVM EEPROM. When programming to alter an NVM profile, it is suggested to toggle PD# to assure default conditions, change the desired fields, then assert the REGCOMMIT bit. ROM=N, EEPROM=N
5	NVMCRCERR	R	0x0	NVM CRC Error Indication. The NVMCRCERR bit is set to 1 if a CRC Error has been detected when reading back from on-chip EEPROM during device configuration. ROM=N, EEPROM=N
4	RESERVED	R/W	0x0	Reserved
3	RESERVED	R/WSC	0x0	Reserved
2	NVMBUSY	R	0x0	NVM Program Busy Indication. The NVMBUSY bit is 1 during an on-chip EEPROM Erase/Program cycle. While NVMBUSY is 1 the on-chip EEPROM cannot be accessed. Toggling PD# or removing power while NVMBUSY is asserted will corrupt the EEPROM. ROM=N, EEPROM=N
1	NVMERASE	R/WSC	0x0	NVM Erase Start. The NVMERASE bit is used to begin an on-chip EEPROM Erase cycle. The Erase cycle is only initiated if the immediately preceding I2C/SMBus transaction was a write to the NVMUNLK register with the appropriate code. The NVMERASE bit is automatically cleared to 0.

表 1-92. R171 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
0	NVMPROG	R/WSC	0x0	NVM Program Start. The NVMPROG bit is used to begin an on-chip EEPROM Program cycle. The Program cycle is only initiated if the immediately preceding I2C/SMBus transaction was a write to the NVMUNLK register with the appropriate code. The NVMPROG bit is automatically cleared to 0.

1.91 R173 Register (Offset = 0xAD) [Reset = 0x00]

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表 1-93. R173 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	MEMADR_12:8	R/W	0x0	See Register 174

1.92 R174 Register (Offset = 0xAE) [Reset = 0x00]

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表 1-94. R174 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	MEMADR	R/W	0x0	Memory Address. The MEMADR value determines the starting address for access to the on-chip memories. This same MEMADR value is used for EEPROM and SRAM access which share the same memory map and also ROM access. The NVMDAT field is used to read and write from EEPROM. The RAMDAT field is used to read and write from SRAM. The ROMDAT field is used to read and write from ROM.

1.93 R176 Register (Offset = 0xB0) [Reset = 0x00]

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表 1-95. R176 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	RAMDAT	R/W	0x0	RAM Read/Write Data. The first time an I2C/SMBus read or write transaction accesses the RAMDAT register address, either because it was explicitly targeted or because the address was auto-incremented, a read transaction will return the RAM data located at the address specified by the MEMADR register and a write transaction will cause the current I2C/SMBus data to be written to the address specified by the MEMADR register. Any additional accesses which are part of the same transaction will cause the RAM address to be incremented and a read or write access will take place to the next SRAM address. The I2C/SMBus address will no longer be auto-incremented (that is, the I2C/SMBus address will be locked to the RAMDAT register after the first access). Access to the RAMDAT register will terminate at the end of the current I2C/SMBus transaction. ROM=N, EEPROM=N

1.94 R180 Register (Offset = 0xB4) [Reset = 0x00]

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表 1-96. R180 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	NVMUNLK	R/W	0x0	NVM Prog Unlock. The NVMUNLK register must be written immediately prior to setting the NVMERASE and NVMPROG bit, otherwise the Erase/Program cycle will not be triggered. NVMUNLK must be written with a value of 0xEA. ROM=N, EEPROM=N

1.95 R223 Register (Offset = 0xDF) [Reset = 0x00]

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表 1-97. R223 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:3	DPLL1_REF0_AUTO_PRIORITY	R/W	0x0	REF0 Priority for Automatic Switchover. Sets the priority for REF0 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th
2:0	DPLL1_REF1_AUTO_PRIORITY	R/W	0x0	REF1 Priority for Automatic Switchover. Sets the priority for REF1 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

1.96 R225 Register (Offset = 0xE1) [Reset = 0x00]

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表 1-98. R225 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:3	DPLL1_REF4_AUTO_PRIORITY	R/W	0x0	REF4 Priority for Automatic Switchover. Sets the priority for REF4 feedback from APLL2 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

表 1-98. R225 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	DPLL1_REF5_AUTO_PRIORITY	R/W	0x0	REF5 Priority for Automatic Switchover. Sets the priority for REF5 feedback from APLL3 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

1.97 R226 Register (Offset = 0xE2) [Reset = 0x01]

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表 1-99. R226 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R/W	0x0	Reserved
5:3	DPLL1_MAN_REFSEL	R/W	0x0	DPLL1 Manual Reference Selection Mode. Determines how the manually selected reference is chosen. If this is set to a '1', the manually selected reference is taken from a GPIO input pin. If it is set to a '0', the manually selected reference is taken from ROM=Y, EEPROM=N 0x0 = REF0 0x1 = REF1 0x2 = Reserved 0x3 = Reserved 0x4 = PLL2 0x5 = PLL3
2	DPLL1_MAN_SWITCH_PIN_MODE	R/W	0x0	DPLL1 Manual Reference Selection Mode. Determines how the manually selected reference is chosen. If this is set to a '1', the manually selected reference is taken from a GPIO input pin. If it is set to a '0', the manually selected reference is taken from a register. ROM=Y, EEPROM=N 0x0 = Register 0x1 = Pin
1:0	DPLL1_SWITCH_MODE	R/W	0x1	DPLL1 Reference Switchover Mode. Selects between Automatic Non-revertive, Automatic Revertive, Manual Selection with Automatic Fallback, and Manual Selection with Automatic Holdover. ROM=Y, EEPROM=N 0x0 = Auto Non-revertive 0x1 = Auto Revertive 0x2 = Manual w/ Fallback 0x3 = Manual w/ Holdover

1.98 R227 Register (Offset = 0xE3) [Reset = 0x00]

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表 1-100. R227 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-100. R227 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	DPLL1_REFSEL_STAT	R	0x0	Reports the DPLL1 selected reference ROM=N, EEPROM=N 0x0 = Holdover 0x1 = REF0 0x2 = REF1 0x4 = Reserved 0x8 = Reserved 0x10 = APLL2 0x20 = APLL3

1.99 R228 Register (Offset = 0xE4) [Reset = 0x00]

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表 1-101. R228 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL1_LOCKDET_PPM_EN	R/W	0x0	DPLL frequency lock detect enable ROM=Y, EEPROM=N
6:0	DPLL1_LOCKDET_PPM_MAX_14:8	R/W	0x0	See Register 229

1.100 R229 Register (Offset = 0xE5) [Reset = 0x0A]

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表 1-102. R229 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_PPM_MAX	R/W	0xA	DPLL frequency lock detect in-lock threshold ROM=Y, EEPROM=N

1.101 R230 Register (Offset = 0xE6) [Reset = 0x00]

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表 1-103. R230 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	DPLL1_UNLOCKDET_PPM_MAX_14:8	R/W	0x0	See Register 231

1.102 R231 Register (Offset = 0xE7) [Reset = 0x64]

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表 1-104. R231 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_UNLOCKDET_PPM_MAX	R/W	0x64	DPLL frequency lock detect out-of-lock threshold ROM=Y, EEPROM=N

1.103 R232 Register (Offset = 0xE8) [Reset = 0x00]

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表 1-105. R232 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_LOCKDET2_PPM_CNTSTRT_29:24	R/W	0x0	See Register 235

1.104 R233 Register (Offset = 0xE9) [Reset = 0x09]Return to the [Summary Table](#).

表 1-106. R233 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET2_PPM_CNTSTRT_23:16	R/W	0x9	See Register 235

1.105 R234 Register (Offset = 0xEA) [Reset = 0x27]Return to the [Summary Table](#).

表 1-107. R234 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET2_PPM_CNTSTRT_15:8	R/W	0x27	See Register 235

1.106 R235 Register (Offset = 0xEB) [Reset = 0xC0]Return to the [Summary Table](#).

表 1-108. R235 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET2_PPM_CNTSTRT	R/W	0xC0	DPLL frequency lock detect reference count value used with DPLL1 feedback configuration 2 ROM=Y, EEPROM=N

1.107 R236 Register (Offset = 0xEC) [Reset = 0x00]Return to the [Summary Table](#).

表 1-109. R236 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_LOCKDET_PPM_CNTSTRT_29:24	R/W	0x0	See Register 239

1.108 R237 Register (Offset = 0xED) [Reset = 0x22]Return to the [Summary Table](#).

表 1-110. R237 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_PPM_CNTSTRT_23:16	R/W	0x22	See Register 239

1.109 R238 Register (Offset = 0xEE) [Reset = 0xA0]

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表 1-111. R238 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_PPM_CNTSTRT_15:8	R/W	0xA0	See Register 239

1.110 R239 Register (Offset = 0xEF) [Reset = 0xF3]

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表 1-112. R239 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_PPM_CNTSTRT	R/W	0xF3	DPLL frequency lock detect reference count value used with DPLL1 feedback configuration 1 ROM=Y, EEPROM=N

1.111 R240 Register (Offset = 0xF0) [Reset = 0x00]

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表 1-113. R240 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_LOCKDET_VCO_PPM_CNTSTRT_29:24	R/W	0x0	See Register 243

1.112 R241 Register (Offset = 0xF1) [Reset = 0x98]

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表 1-114. R241 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_VCO_PPM_CNTSTRT_23:16	R/W	0x98	See Register 243

1.113 R242 Register (Offset = 0xF2) [Reset = 0x96]

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表 1-115. R242 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_VCO_PPM_CNTSTRT_15:8	R/W	0x96	See Register 243

1.114 R243 Register (Offset = 0xF3) [Reset = 0x83]

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表 1-116. R243 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LOCKDET_VCO_PPM_CNTSTRT	R/W	0x83	DPLL frequency lock detect VCO count value ROM=Y, EEPROM=N

1.115 R244 Register (Offset = 0xF4) [Reset = 0x00]

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表 1-117. R244 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:3	RESERVED	R	0x0	Reserved
2:1	RESERVED	R	0x0	Reserved
0	DPLL1_STATUS_PPM_LOCK	R	0x0	Readback lock indicator from DPLL PPM Checker ROM=N, EEPROM=N

1.116 R247 Register (Offset = 0xF7) [Reset = 0x55]

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表 1-118. R247 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL1_LOOP_EN	R/W	0x0	Enable DPLL1 loop filter and R-Div mash engine ROM=Y, EEPROM=N
6	DPLL1_PHASE_CANCEL_EN	R/W	0x1	Enable Phase Cancellation ROM=Y, EEPROM=N
5	RESERVED	R/W	0x0	Reserved
4	DPLL1_PHS1_EN	R/W	0x1	Enable holdover exit phase slew control . ROM=Y, EEPROM=N
3	DPLL1_ZDM_EN	R/W	0x0	Enable Zero Delay ROM=Y, EEPROM=N
2	DPLL1_HIST_EN	R/W	0x1	Enable History word to be used during holdover ROM=Y, EEPROM=N
1	DPLL1_PHASE_CANCEL_ALWAYS	R/W	0x0	Force phase cancellation to always occur when DPLL is acquiring lock ROM=Y, EEPROM=N
0	RESERVED	R/W	0x1	Reserved

1.117 R248 Register (Offset = 0xF8) [Reset = 0x42]

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表 1-119. R248 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL1_HOLD_SLEW_LIM_EN	R/W	0x0	Enable slew limiter when entering holdover. Allows slew rate control between current DPLL value before entering holdover and history value. ROM=Y, EEPROM=N
6	RESERVED	R/W	0x1	Reserved
5:3	RESERVED	R	0x0	Reserved
2	DPLL1_CLK_DIV_SRC_SELECT	R/W	0x0	DPLL1 cannot be used without DPLL2 or DPLL3 operating. DPLL1 clock select 0x0 = DPLL3 0x1 = DPLL2
1:0	RESERVED	R/W	0x2	Reserved

1.118 R250 Register (Offset = 0xFA) [Reset = 0x00]

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表 1-120. R250 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	DPLL1_PH_OFFSET_44:40	R/W	0x0	See Register 255

1.119 R251 Register (Offset = 0xFB) [Reset = 0x00]

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表 1-121. R251 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_PH_OFFSET_39:32	R/W	0x0	See Register 255

1.120 R252 Register (Offset = 0xFC) [Reset = 0x00]

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表 1-122. R252 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_PH_OFFSET_31:24	R/W	0x0	See Register 255

1.121 R253 Register (Offset = 0xFD) [Reset = 0x00]

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表 1-123. R253 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_PH_OFFSET_23:16	R/W	0x0	See Register 255

1.122 R254 Register (Offset = 0xFE) [Reset = 0x00]

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表 1-124. R254 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_PH_OFFSET_15:8	R/W	0x0	See Register 255

1.123 R255 Register (Offset = 0xFF) [Reset = 0x00]

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表 1-125. R255 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_PH_OFFSET	R/W	0x0	Phase offset to adjust and calibrate input to output phase in ZDM. ROM=Y, EEPROM=N

1.124 R256 Register (Offset = 0x100) [Reset = 0x00]

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表 1-126. R256 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FREE_RUN_39:3 2	R/W	0x0	See Register 260

1.125 R257 Register (Offset = 0x101) [Reset = 0x00]Return to the [Summary Table](#).

表 1-127. R257 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FREE_RUN_31:2 4	R/W	0x0	See Register 260

1.126 R258 Register (Offset = 0x102) [Reset = 0x00]Return to the [Summary Table](#).

表 1-128. R258 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FREE_RUN_23:1 6	R/W	0x0	See Register 260

1.127 R259 Register (Offset = 0x103) [Reset = 0x00]Return to the [Summary Table](#).

表 1-129. R259 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FREE_RUN_15:8	R/W	0x0	See Register 260

1.128 R260 Register (Offset = 0x104) [Reset = 0x00]Return to the [Summary Table](#).

表 1-130. R260 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FREE_RUN	R/W	0x0	DPLL1 starting word. Also non-history holdover word. ROM=Y, EEPROM=N

1.129 R290 Register (Offset = 0x122) [Reset = 0x03]Return to the [Summary Table](#).

表 1-131. R290 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL1_LCK_TIMER_9:8	R/W	0x3	See Register 291

1.130 R291 Register (Offset = 0x123) [Reset = 0x09]Return to the [Summary Table](#).

表 1-132. R291 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_LCK_TIMER	R/W	0x9	Minimum amount of time until DPLL1_LOPL will be deasserted after starting to lock. Timer begins once device is within valid phase lock window. ROM=Y, EEPROM=N

1.131 R292 Register (Offset = 0x124) [Reset = 0x01]

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表 1-133. R292 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL1_HIST_TIMER_9:8	R/W	0x1	See Register 293

1.132 R293 Register (Offset = 0x125) [Reset = 0x92]

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表 1-134. R293 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_HIST_TIMER	R/W	0x92	Time interval between history update events. ROM=Y, EEPROM=N

1.133 R294 Register (Offset = 0x126) [Reset = 0x0D]

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表 1-135. R294 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:2	RESERVED	R/W	0x3	Reserved
1:0	DPLL1_HOLD_TIMER_9:8	R/W	0x1	See Register 295

1.134 R295 Register (Offset = 0x127) [Reset = 0x42]

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表 1-136. R295 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_HOLD_TIMER	R/W	0x42	Rate of change to DPLL or APLL numerator during phase slew control. See DPLLx_HOLD_SLEW_STEP. ROM=Y, EEPROM=N

1.135 R296 Register (Offset = 0x128) [Reset = 0x01]

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表 1-137. R296 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL1_PHS1_TIMER_9:8	R/W	0x1	See Register 297

1.136 R297 Register (Offset = 0x129) [Reset = 0x40]

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表 1-138. R297 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_PHS1_TIMER	R/W	0x40	Holdover exit phase slew control. Timer controlling update period. ROM=Y, EEPROM=N

1.137 R302 Register (Offset = 0x12E) [Reset = 0x08]

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表 1-139. R302 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	DPLL1_HIST_GAIN	R/W	0x8	History filter gain ROM=Y, EEPROM=N

1.138 R303 Register (Offset = 0x12F) [Reset = 0x22]

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表 1-140. R303 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_PL_THRESH	R/W	0x22	Phase lock in-lock threshold ROM=Y, EEPROM=N

1.139 R304 Register (Offset = 0x130) [Reset = 0x24]

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表 1-141. R304 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_PL_UNLK_THRESH	R/W	0x24	Phase lock out-of-lock threshold ROM=Y, EEPROM=N

1.140 R305 Register (Offset = 0x131) [Reset = 0x07]

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表 1-142. R305 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_PHS1_THRESH	R/W	0x7	Holdover exit phase slew control. Change per timer event. ROM=Y, EEPROM=N

1.141 R308 Register (Offset = 0x134) [Reset = 0x3F]

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表 1-143. R308 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_HOLD_SLEW_STEP	R/W	0x3F	When DPLL exits holdover, rate of phase change relates to the ratio of DPLLx_HOLD_SLEW_STEP divided by DPLLx_HOLD_TIMER. DPLLx_HOLD_SLEW_STEP is applied to DPLL numerator when exiting holdover or APLL numerator when using APLL relative DCO. ROM=Y, EEPROM=N

1.142 R310 Register (Offset = 0x136) [Reset = 0x00]

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表 1-144. R310 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R	0x0	Reserved
5	DPLL1_STATUS_PL	R	0x0	Readback the phase lock status ROM=N, EEPROM=N
4:0	RESERVED	R	0x0	Reserved

1.143 R311 Register (Offset = 0x137) [Reset = 0x00]

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表 1-145. R311 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	DPLL1_DCO_SLEW_ACTIVE	R	0x0	Readback DCO slew status ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.144 R314 Register (Offset = 0x13A) [Reset = 0x00]

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表 1-146. R314 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL1_FB_DIV_32:32	R/W	0x0	See Register 318

1.145 R315 Register (Offset = 0x13B) [Reset = 0x00]

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表 1-147. R315 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DIV_31:24	R/W	0x0	See Register 318

1.146 R316 Register (Offset = 0x13C) [Reset = 0x00]

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表 1-148. R316 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DIV_23:16	R/W	0x0	See Register 318

1.147 R317 Register (Offset = 0x13D) [Reset = 0x00]Return to the [Summary Table](#).

表 1-149. R317 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DIV_15:8	R/W	0x0	See Register 318

1.148 R318 Register (Offset = 0x13E) [Reset = 0xD3]Return to the [Summary Table](#).

表 1-150. R318 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DIV	R/W	0xD3	DPLL Feedback Divider N Value used with DPLL1 feedback configuration 1 ROM=Y, EEPROM=N

1.149 R319 Register (Offset = 0x13F) [Reset = 0x81]Return to the [Summary Table](#).

表 1-151. R319 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_39:32	R/W	0x81	See Register 323

1.150 R320 Register (Offset = 0x140) [Reset = 0xD7]Return to the [Summary Table](#).

表 1-152. R320 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_31:24	R/W	0xD7	See Register 323

1.151 R321 Register (Offset = 0x141) [Reset = 0xDB]Return to the [Summary Table](#).

表 1-153. R321 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_23:16	R/W	0xDB	See Register 323

1.152 R322 Register (Offset = 0x142) [Reset = 0xF3]Return to the [Summary Table](#).

表 1-154. R322 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_15:8	R/W	0xF3	See Register 323

1.153 R323 Register (Offset = 0x143) [Reset = 0xFC]

Return to the [Summary Table](#).

表 1-155. R323 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM	R/W	0xFC	DPLL Feedback Divider Numerator Value used with DPLL1 feedback configuration 1 ROM=Y, EEPROM=N

1.154 R324 Register (Offset = 0x144) [Reset = 0xFF]

Return to the [Summary Table](#).

表 1-156. R324 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DEN_39:32	R/W	0xFF	See Register 328

1.155 R325 Register (Offset = 0x145) [Reset = 0xFF]

Return to the [Summary Table](#).

表 1-157. R325 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DEN_31:24	R/W	0xFF	See Register 328

1.156 R326 Register (Offset = 0x146) [Reset = 0xFF]

Return to the [Summary Table](#).

表 1-158. R326 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DEN_23:16	R/W	0xFF	See Register 328

1.157 R327 Register (Offset = 0x147) [Reset = 0xFE]

Return to the [Summary Table](#).

表 1-159. R327 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DEN_15:8	R/W	0xFE	See Register 328

1.158 R328 Register (Offset = 0x148) [Reset = 0xEC]

Return to the [Summary Table](#).

表 1-160. R328 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_DEN	R/W	0xEC	DPLL Feedback Divider Denominator Value used with DPLL1 feedback configuration 1 ROM=Y, EEPROM=N

1.159 R329 Register (Offset = 0x149) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-161. R329 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL1_FB2_DIV_32:32	R/W	0x0	See Register 333

1.160 R330 Register (Offset = 0x14A) [Reset = 0x00]Return to the [Summary Table](#).

表 1-162. R330 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DIV_31:24	R/W	0x0	See Register 333

1.161 R331 Register (Offset = 0x14B) [Reset = 0x00]Return to the [Summary Table](#).

表 1-163. R331 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DIV_23:16	R/W	0x0	See Register 333

1.162 R332 Register (Offset = 0x14C) [Reset = 0x0F]Return to the [Summary Table](#).

表 1-164. R332 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DIV_15:8	R/W	0xF	See Register 333

1.163 R333 Register (Offset = 0x14D) [Reset = 0xA0]Return to the [Summary Table](#).

表 1-165. R333 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DIV	R/W	0xA0	DPLL Feedback Divider N Value used with DPLL1 feedback configuration 2 ROM=Y, EEPROM=N

1.164 R334 Register (Offset = 0x14E) [Reset = 0x00]Return to the [Summary Table](#).

表 1-166. R334 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_NUM_39:32	R/W	0x0	See Register 338

1.165 R335 Register (Offset = 0x14F) [Reset = 0x00]Return to the [Summary Table](#).

表 1-167. R335 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_NUM_31:24	R/W	0x0	See Register 338

1.166 R336 Register (Offset = 0x150) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-168. R336 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_NUM_23:16	R/W	0x0	See Register 338

1.167 R337 Register (Offset = 0x151) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-169. R337 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_NUM_15:8	R/W	0x0	See Register 338

1.168 R338 Register (Offset = 0x152) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-170. R338 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_NUM	R/W	0x0	DPLL Feedback Divider Numerator Value used with DPLL1 feedback configuration 2 ROM=Y, EEPROM=N

1.169 R339 Register (Offset = 0x153) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-171. R339 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DEN_39:32	R/W	0x0	See Register 343

1.170 R340 Register (Offset = 0x154) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-172. R340 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DEN_31:24	R/W	0x0	See Register 343

1.171 R341 Register (Offset = 0x155) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-173. R341 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DEN_23:16	R/W	0x0	See Register 343

1.172 R342 Register (Offset = 0x156) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-174. R342 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DEN_15:8	R/W	0x0	See Register 343

1.173 R343 Register (Offset = 0x157) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-175. R343 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB2_DEN	R/W	0x0	DPLL Feedback Divider Denominator Value used with DPLL1 feedback configuration 2 ROM=Y, EEPROM=N

1.174 R344 Register (Offset = 0x158) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-176. R344 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	DPLL1_REF5_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF3. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
4	DPLL1_REF4_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF4. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
3:2	RESERVED	R/W	0x0	Reserved
1	DPLL1_REF1_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF1. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
0	DPLL1_REF0_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF0. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2

1.175 R345 Register (Offset = 0x159) [Reset = 0x02]

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表 1-177. R345 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:3	RESERVED	R/W	0x0	Reserved

表 1-177. R345 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	DPLL1_FB_MASH_ORDER	R/W	0x2	DPLL Feedback Divider MASH Order. ROM=Y, EEPROM=N 0x0 = Integer 0x1 = 1st order 0x2 = 2nd order 0x3 = 3rd order 0x4 = 4th order

1.176 R346 Register (Offset = 0x15A) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-178. R346 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL1_FB_FDEV_37:32	R/W	0x0	See Register 350

1.177 R347 Register (Offset = 0x15B) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-179. R347 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_FDEV_31:24	R/W	0x0	See Register 350

1.178 R348 Register (Offset = 0x15C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-180. R348 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_FDEV_23:16	R/W	0x0	See Register 350

1.179 R349 Register (Offset = 0x15D) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-181. R349 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_FDEV_15:8	R/W	0x0	See Register 350

1.180 R350 Register (Offset = 0x15E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-182. R350 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_FDEV	R/W	0x0	DPLL Feedback Divider DCO Frequency Deviation Value ROM=Y, EEPROM=N

1.181 R351 Register (Offset = 0x15F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-183. R351 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL1_FB_FDEV_UPDATE	R/W	0x0	Increment/Decrement DPLL Feedback Numerator value with DPLL_FB_FDEV value ROM=Y, EEPROM=N

1.182 R352 Register (Offset = 0x160) [Reset = 0x00]Return to the [Summary Table](#).

表 1-184. R352 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL1_FB_FDEV_EN	R/W	0x0	Enable DPLL DCO mode ROM=Y, EEPROM=N

1.183 R353 Register (Offset = 0x161) [Reset = 0x00]Return to the [Summary Table](#).

表 1-185. R353 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_STAT_3 9:32	R	0x0	See Register 357

1.184 R354 Register (Offset = 0x162) [Reset = 0x00]Return to the [Summary Table](#).

表 1-186. R354 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_STAT_3 1:24	R	0x0	See Register 357

1.185 R355 Register (Offset = 0x163) [Reset = 0x00]Return to the [Summary Table](#).

表 1-187. R355 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_STAT_2 3:16	R	0x0	See Register 357

1.186 R356 Register (Offset = 0x164) [Reset = 0x00]Return to the [Summary Table](#).

表 1-188. R356 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_STAT_1 5:8	R	0x0	See Register 357

1.187 R357 Register (Offset = 0x165) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-189. R357 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_FB_NUM_STAT	R	0x0	Readback DPLL Feedback Divider Numerator value as a result of DCO mode ROM=N, EEPROM=N

1.188 R358 Register (Offset = 0x166) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-190. R358 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	DPLL1_REF0_DBLR_EN	R/W	0x0	DPLL Reference 0 Doubler Enable ROM=Y, EEPROM=N
2	DPLL1_REF1_DBLR_EN	R/W	0x0	DPLL Reference 1 Doubler Enable ROM=Y, EEPROM=N
1:0	RESERVED	R/W	0x0	Reserved

1.189 R359 Register (Offset = 0x167) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-191. R359 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF0_RDIV_15:8	R/W	0x0	See Register 360

1.190 R360 Register (Offset = 0x168) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-192. R360 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF0_RDIV	R/W	0x1	DPLL REF0 R-divider value ROM=Y, EEPROM=N

1.191 R361 Register (Offset = 0x169) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-193. R361 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF1_RDIV_15:8	R/W	0x0	See Register 362

1.192 R362 Register (Offset = 0x16A) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-194. R362 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF1_RDIV	R/W	0x1	DPLL REF1 R-divider value ROM=Y, EEPROM=N

1.193 R367 Register (Offset = 0x16F) [Reset = 0x00]Return to the [Summary Table](#).

表 1-195. R367 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF4_RDIV_15:8	R/W	0x0	See Register 368

1.194 R368 Register (Offset = 0x170) [Reset = 0x00]Return to the [Summary Table](#).

表 1-196. R368 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF4_RDIV	R/W	0x0	DPLL REF4 R-divider value ROM=Y, EEPROM=N

1.195 R369 Register (Offset = 0x171) [Reset = 0x00]Return to the [Summary Table](#).

表 1-197. R369 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF5_RDIV_15:8	R/W	0x0	DPLL REF5 R-divider value. For use when DPLL1 uses output of VCO3 as a reference. ROM=Y, EEPROM=N

1.196 R370 Register (Offset = 0x172) [Reset = 0x00]Return to the [Summary Table](#).

表 1-198. R370 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL1_REF5_RDIV	R/W	0x0	DPLL REF5 R-divider value. For use when DPLL1 uses output of VCO3 as a reference. ROM=Y, EEPROM=N

1.197 R373 Register (Offset = 0x175) [Reset = 0x00]Return to the [Summary Table](#).

表 1-199. R373 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-199. R373 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:3	DPLL2_REF0_AUTO_PRIORITY	R/W	0x0	REF0 Priority for Automatic Switchover. Sets the priority for REF0 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th
2:0	DPLL2_REF1_AUTO_PRIORITY	R/W	0x0	REF1 Priority for Automatic Switchover. Sets the priority for REF1 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

1.198 R375 Register (Offset = 0x177) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-200. R375 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:3	DPLL2_REF4_AUTO_PRIORITY	R/W	0x0	REF4 Priority for Automatic Switchover. Sets the priority for REF4 feedback from APLL1 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th
2:0	DPLL2_REF5_AUTO_PRIORITY	R/W	0x0	REF5 Priority for Automatic Switchover. Sets the priority for REF5 feedback from APLL3 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

1.199 R376 Register (Offset = 0x178) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-201. R376 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R/W	0x0	Reserved
5:3	DPLL2_MAN_REFSEL	R/W	0x0	DPLL2 Manual Reference Selection ROM=Y, EEPROM=N 0x0 = REF0 0x1 = REF1 0x2 = Reserved 0x3 = Reserved 0x4 = PLL1 0x5 = PLL3
2	DPLL2_MAN_SWITCH_PIN_MODE	R/W	0x0	DPLL2 Manual Reference Selection Mode. Determines how the manually selected reference is chosen. If this is set to a '1', the manually selected reference is taken from a GPIO input pin. If it is set to a '0', the manually selected reference is taken from a register. ROM=Y, EEPROM=N 0x0 = Register 0x1 = Pin
1:0	DPLL2_SWITCH_MODE	R/W	0x1	DPLL2 Reference Switchover Mode. Selects between Automatic Non-revertive, Automatic Revertive, Manual Selection with Automatic Fallback, and Manual Selection with Automatic Holdover. ROM=Y, EEPROM=N 0x0 = Auto non-revertive 0x1 = Auto revertive 0x2 = Manual fallback 0x3 = Manual Holdover

1.200 R377 Register (Offset = 0x179) [Reset = 0x00]Return to the [Summary Table](#).

表 1-202. R377 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_REFSEL_STAT	R	0x0	Reads the DPLL2 selected reference ROM=N, EEPROM=N 0x0 = Holdover 0x1 = REF0 0x2 = REF1 0x4 = Reserved 0x8 = Reserved 0x10 = APLL1 0x20 = APLL3

1.201 R378 Register (Offset = 0x17A) [Reset = 0x00]Return to the [Summary Table](#).

表 1-203. R378 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL2_LOCKDET_PPM_EN	R/W	0x0	DPLL frequency lock detect enable ROM=Y, EEPROM=N
6:0	DPLL2_LOCKDET_PPM_MAX_14:8	R/W	0x0	See Register 379

1.202 R379 Register (Offset = 0x17B) [Reset = 0x0A]Return to the [Summary Table](#).

表 1-204. R379 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_PPM_MAX	R/W	0xA	DPLL frequency lock detect in-lock threshold ROM=Y, EEPROM=N

1.203 R380 Register (Offset = 0x17C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-205. R380 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	DPLL2_UNLOCKDET_PPM_MAX_14:8	R/W	0x0	See Register 381

1.204 R381 Register (Offset = 0x17D) [Reset = 0x64]

Return to the [Summary Table](#).

表 1-206. R381 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_UNLOCKDET_PPM_MAX	R/W	0x64	DPLL frequency lock detect out-of-lock threshold ROM=Y, EEPROM=N

1.205 R382 Register (Offset = 0x17E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-207. R382 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_LOCKDET2_PPM_CNTSTRT_29:24	R/W	0x0	See Register 385

1.206 R383 Register (Offset = 0x17F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-208. R383 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET2_PPM_CNTSTRT_23:16	R/W	0x0	See Register 385

1.207 R384 Register (Offset = 0x180) [Reset = 0x09]

Return to the [Summary Table](#).

表 1-209. R384 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET2_PPM_CNTSTRT_15:8	R/W	0x9	See Register 385

1.208 R385 Register (Offset = 0x181) [Reset = 0xC5]

Return to the [Summary Table](#).

表 1-210. R385 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET2_PPM_CNTSTRT	R/W	0xC5	DPLL frequency lock detect reference count value used with DPLL2 feedback configuration 2 ROM=Y, EEPROM=N

1.209 R386 Register (Offset = 0x182) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-211. R386 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_LOCKDET_PPM_CNTSTRT_29:24	R/W	0x0	See Register 389

1.210 R387 Register (Offset = 0x183) [Reset = 0x27]

Return to the [Summary Table](#).

表 1-212. R387 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_PPM_CNTSTRT_23:16	R/W	0x27	See Register 389

1.211 R388 Register (Offset = 0x184) [Reset = 0x75]

Return to the [Summary Table](#).

表 1-213. R388 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_PPM_CNTSTRT_15:8	R/W	0x75	See Register 389

1.212 R389 Register (Offset = 0x185) [Reset = 0x03]

Return to the [Summary Table](#).

表 1-214. R389 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_PPM_CNTSTRT	R/W	0x3	DPLL frequency lock detect reference count value used with DPLL2 feedback configuration 1 ROM=Y, EEPROM=N

1.213 R390 Register (Offset = 0x186) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-215. R390 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-215. R390 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	DPLL2_LOCKDET_VCO_PPM_CNTSTRT_29:24	R/W	0x0	See Register 393

1.214 R391 Register (Offset = 0x187) [Reset = 0x98]

Return to the [Summary Table](#).

表 1-216. R391 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_VCO_PPM_CNTSTRT_23:16	R/W	0x98	See Register 393

1.215 R392 Register (Offset = 0x188) [Reset = 0x96]

Return to the [Summary Table](#).

表 1-217. R392 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_VCO_PPM_CNTSTRT_15:8	R/W	0x96	See Register 393

1.216 R393 Register (Offset = 0x189) [Reset = 0x82]

Return to the [Summary Table](#).

表 1-218. R393 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LOCKDET_VCO_PPM_CNTSTRT	R/W	0x82	DPLL frequency lock detect VCO count value ROM=Y, EEPROM=N

1.217 R394 Register (Offset = 0x18A) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-219. R394 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:3	RESERVED	R	0x0	Reserved
2:1	RESERVED	R	0x0	Reserved
0	DPLL2_STATUS_PPM_LOCK	R	0x0	Readback lock indicator from DPLL PPM Checker ROM=N, EEPROM=N

1.218 R397 Register (Offset = 0x18D) [Reset = 0x55]

Return to the [Summary Table](#).

表 1-220. R397 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL2_LOOP_EN	R/W	0x0	Enable DPLL2 loop filter and R-Div mash engine ROM=Y, EEPROM=N
6	DPLL2_PHASE_CANCEL_EN	R/W	0x1	Enable Phase Cancellation ROM=Y, EEPROM=N
5	RESERVED	R/W	0x0	Reserved

表 1-220. R397 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4	DPLL2_PHS1_EN	R/W	0x1	Enable holdover exit phase slew control . ROM=Y, EEPROM=N
3	DPLL2_ZDM_EN	R/W	0x0	Enable Zero Delay ROM=Y, EEPROM=N
2	DPLL2_HIST_EN	R/W	0x1	Enable History word to be used during holdover ROM=Y, EEPROM=N
1	DPLL2_PHASE_CANCEL_ALWAYS	R/W	0x0	Force phase cancellation to always occur when DPLL is acquiring lock ROM=Y, EEPROM=N
0	RESERVED	R/W	0x1	Reserved

1.219 R398 Register (Offset = 0x18E) [Reset = 0x6E]Return to the [Summary Table](#).

表 1-221. R398 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL2_HOLD_SLEW_LIM_EN	R/W	0x0	Enable slew limiter when entering holdover ROM=Y, EEPROM=N
6:0	RESERVED	R/W	0x6E	Reserved

1.220 R400 Register (Offset = 0x190) [Reset = 0x00]Return to the [Summary Table](#).

表 1-222. R400 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	DPLL2_PH_OFFSET_44:40	R/W	0x0	See Register 405

1.221 R401 Register (Offset = 0x191) [Reset = 0x00]Return to the [Summary Table](#).

表 1-223. R401 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_PH_OFFSET_39:32	R/W	0x0	See Register 405

1.222 R402 Register (Offset = 0x192) [Reset = 0x00]Return to the [Summary Table](#).

表 1-224. R402 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_PH_OFFSET_31:24	R/W	0x0	See Register 405

1.223 R403 Register (Offset = 0x193) [Reset = 0x00]Return to the [Summary Table](#).

表 1-225. R403 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_PH_OFFSET_23:16	R/W	0x0	See Register 405

1.224 R404 Register (Offset = 0x194) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-226. R404 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_PH_OFFSET_15:8	R/W	0x0	See Register 405

1.225 R405 Register (Offset = 0x195) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-227. R405 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_PH_OFFSET	R/W	0x0	Phase offset to control input to output phase in ZDM. ROM=Y, EEPROM=N

1.226 R406 Register (Offset = 0x196) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-228. R406 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FREE_RUN_39:32	R/W	0x0	See Register 410

1.227 R407 Register (Offset = 0x197) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-229. R407 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FREE_RUN_31:24	R/W	0x0	See Register 410

1.228 R408 Register (Offset = 0x198) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-230. R408 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FREE_RUN_23:16	R/W	0x0	See Register 410

1.229 R409 Register (Offset = 0x199) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-231. R409 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FREE_RUN_15:8	R/W	0x0	See Register 410

1.230 R410 Register (Offset = 0x19A) [Reset = 0x00]Return to the [Summary Table](#).

表 1-232. R410 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FREE_RUN	R/W	0x0	DPLL2 starting word. Also non-history holdover word. ROM=Y, EEPROM=N

1.231 R440 Register (Offset = 0x1B8) [Reset = 0x03]Return to the [Summary Table](#).

表 1-233. R440 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL2_LCK_TIMER_9:8	R/W	0x3	See Register 441

1.232 R441 Register (Offset = 0x1B9) [Reset = 0x09]Return to the [Summary Table](#).

表 1-234. R441 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_LCK_TIMER	R/W	0x9	Minimum amount of time until DPLL2_LOPL will be deasserted after starting to lock. Timer begins once device is within valid phase lock window. ROM=Y, EEPROM=N

1.233 R442 Register (Offset = 0x1BA) [Reset = 0x01]Return to the [Summary Table](#).

表 1-235. R442 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL2_HIST_TIMER_9:8	R/W	0x1	See Register 443

1.234 R443 Register (Offset = 0x1BB) [Reset = 0x92]Return to the [Summary Table](#).

表 1-236. R443 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_HIST_TIMER	R/W	0x92	Time interval between history update events. ROM=Y, EEPROM=N

1.235 R444 Register (Offset = 0x1BC) [Reset = 0x0D]Return to the [Summary Table](#).

表 1-237. R444 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:2	RESERVED	R/W	0x3	Reserved
1:0	DPLL2_HOLD_TIMER_9:8	R/W	0x1	See Register 445

1.236 R445 Register (Offset = 0x1BD) [Reset = 0x42]

Return to the [Summary Table](#).

表 1-238. R445 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_HOLD_TIMER	R/W	0x42	Rate of change to DPLL or APLL numerator during phase slew control. See DPLLx_HOLD_SLEW_STEP. ROM=Y, EEPROM=N

1.237 R446 Register (Offset = 0x1BE) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-239. R446 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL2_PHS1_TIMER_9:8	R/W	0x1	See Register 447

1.238 R447 Register (Offset = 0x1BF) [Reset = 0x40]

Return to the [Summary Table](#).

表 1-240. R447 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_PHS1_TIMER	R/W	0x40	Holdover exit phase slew control. Timer controlling update period. ROM=Y, EEPROM=N

1.239 R452 Register (Offset = 0x1C4) [Reset = 0x08]

Return to the [Summary Table](#).

表 1-241. R452 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	DPLL2_HIST_GAIN	R/W	0x8	History filter gain ROM=Y, EEPROM=N

1.240 R453 Register (Offset = 0x1C5) [Reset = 0x22]

Return to the [Summary Table](#).

表 1-242. R453 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_PL_THRESH	R/W	0x22	Phase lock in-lock threshold ROM=Y, EEPROM=N

1.241 R454 Register (Offset = 0x1C6) [Reset = 0x24]

Return to the [Summary Table](#).

表 1-243. R454 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_PL_UNLK_THRESH	R/W	0x24	Phase lock out-of-lock threshold ROM=Y, EEPROM=N

1.242 R455 Register (Offset = 0x1C7) [Reset = 0x07]

Return to the [Summary Table](#).

表 1-244. R455 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_PHS1_THRESH	R/W	0x7	Holdover exit phase slew control. Change per timer event. ROM=Y, EEPROM=N

1.243 R458 Register (Offset = 0x1CA) [Reset = 0x3F]

Return to the [Summary Table](#).

表 1-245. R458 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_HOLD_SLEW_STEP	R/W	0x3F	When DPLL exits holdover, rate of phase change relates to DPLLx_HOLD_SLEW_STEP over DPLLx_HOLD_TIMER. DPLLx_HOLD_SLEW_STEP is applied to DPLL numerator when exiting holdover or APLL numerator when using APLL relative DCO. ROM=Y, EEPROM=N

1.244 R460 Register (Offset = 0x1CC) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-246. R460 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R	0x0	Reserved
5	DPLL2_STATUS_PL	R	0x0	Readback the phase lock status ROM=N, EEPROM=N
4:0	RESERVED	R	0x0	Reserved

1.245 R461 Register (Offset = 0x1CD) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-247. R461 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	DPLL2_DCO_SLEW_ACTIVE	R	0x0	Readback DCO slew status ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.246 R464 Register (Offset = 0x1D0) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-248. R464 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL2_FB_DIV_32:32	R/W	0x0	See Register 468

1.247 R465 Register (Offset = 0x1D1) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-249. R465 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DIV_31:24	R/W	0x0	See Register 468

1.248 R466 Register (Offset = 0x1D2) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-250. R466 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DIV_23:16	R/W	0x0	See Register 468

1.249 R467 Register (Offset = 0x1D3) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-251. R467 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DIV_15:8	R/W	0x0	See Register 468

1.250 R468 Register (Offset = 0x1D4) [Reset = 0xE8]

Return to the [Summary Table](#).

表 1-252. R468 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DIV	R/W	0xE8	DPLL Feedback Divider N Value used with DPLL2 feedback configuration 1 ROM=Y, EEPROM=N

1.251 R469 Register (Offset = 0x1D5) [Reset = 0x08]

Return to the [Summary Table](#).

表 1-253. R469 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_39:32	R/W	0x8	See Register 473

1.252 R470 Register (Offset = 0x1D6) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-254. R470 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_31:24	R/W	0x0	See Register 473

1.253 R471 Register (Offset = 0x1D7) [Reset = 0x00]Return to the [Summary Table](#).

表 1-255. R471 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_23:16	R/W	0x0	See Register 473

1.254 R472 Register (Offset = 0x1D8) [Reset = 0x00]Return to the [Summary Table](#).

表 1-256. R472 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_15:8	R/W	0x0	See Register 473

1.255 R473 Register (Offset = 0x1D9) [Reset = 0x00]Return to the [Summary Table](#).

表 1-257. R473 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM	R/W	0x0	DPLL Feedback Divider Numerator Value used with DPLL2 feedback configuration 1 ROM=Y, EEPROM=N

1.256 R474 Register (Offset = 0x1DA) [Reset = 0x00]Return to the [Summary Table](#).

表 1-258. R474 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DEN_39:32	R/W	0x0	See Register 478

1.257 R475 Register (Offset = 0x1DB) [Reset = 0x00]Return to the [Summary Table](#).

表 1-259. R475 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DEN_31:24	R/W	0x0	See Register 478

1.258 R476 Register (Offset = 0x1DC) [Reset = 0x00]Return to the [Summary Table](#).

表 1-260. R476 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DEN_23:16	R/W	0x0	See Register 478

1.259 R477 Register (Offset = 0x1DD) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-261. R477 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DEN_15:8	R/W	0x0	See Register 478

1.260 R478 Register (Offset = 0x1DE) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-262. R478 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_DEN	R/W	0x0	DPLL Feedback Divider Denominator Value used with DPLL2 feedback configuration 1 ROM=Y, EEPROM=N

1.261 R479 Register (Offset = 0x1DF) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-263. R479 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL2_FB2_DIV_32:32	R/W	0x0	See Register 483

1.262 R480 Register (Offset = 0x1E0) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-264. R480 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DIV_31:24	R/W	0x0	See Register 483

1.263 R481 Register (Offset = 0x1E1) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-265. R481 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DIV_23:16	R/W	0x0	See Register 483

1.264 R482 Register (Offset = 0x1E2) [Reset = 0x12]

Return to the [Summary Table](#).

表 1-266. R482 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DIV_15:8	R/W	0x12	See Register 483

1.265 R483 Register (Offset = 0x1E3) [Reset = 0xC0]

Return to the [Summary Table](#).

表 1-267. R483 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DIV	R/W	0xC0	DPLL Feedback Divider N Value used with DPLL2 feedback configuration 2. ROM=Y, EEPROM=N

1.266 R484 Register (Offset = 0x1E4) [Reset = 0x00]Return to the [Summary Table](#).

表 1-268. R484 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_NUM_39:32	R/W	0x0	See Register 488

1.267 R485 Register (Offset = 0x1E5) [Reset = 0x00]Return to the [Summary Table](#).

表 1-269. R485 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_NUM_31:24	R/W	0x0	See Register 488

1.268 R486 Register (Offset = 0x1E6) [Reset = 0x00]Return to the [Summary Table](#).

表 1-270. R486 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_NUM_23:16	R/W	0x0	See Register 488

1.269 R487 Register (Offset = 0x1E7) [Reset = 0x00]Return to the [Summary Table](#).

表 1-271. R487 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_NUM_15:8	R/W	0x0	See Register 488

1.270 R488 Register (Offset = 0x1E8) [Reset = 0x00]Return to the [Summary Table](#).

表 1-272. R488 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_NUM	R/W	0x0	DPLL Feedback Divider Numerator Value used with DPLL2 feedback configuration 2 ROM=Y, EEPROM=N

1.271 R489 Register (Offset = 0x1E9) [Reset = 0x00]Return to the [Summary Table](#).

表 1-273. R489 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DEN_39:32	R/W	0x0	See Register 493

1.272 R490 Register (Offset = 0x1EA) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-274. R490 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DEN_31:24	R/W	0x0	See Register 493

1.273 R491 Register (Offset = 0x1EB) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-275. R491 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DEN_23:16	R/W	0x0	See Register 493

1.274 R492 Register (Offset = 0x1EC) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-276. R492 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DEN_15:8	R/W	0x0	See Register 493

1.275 R493 Register (Offset = 0x1ED) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-277. R493 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB2_DEN	R/W	0x0	DPLL Feedback Divider Denominator Value used with DPLL2 feedback configuration 2 ROM=Y, EEPROM=N

1.276 R494 Register (Offset = 0x1EE) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-278. R494 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	DPLL2_REF5_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF3. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
4:2	RESERVED	R/W	0x0	Reserved

表 1-278. R494 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
1	DPLL2_REF1_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF1. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
0	DPLL2_REF0_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF0. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2

1.277 R495 Register (Offset = 0x1EF) [Reset = 0x02]Return to the [Summary Table](#).

表 1-279. R495 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:3	RESERVED	R/W	0x0	Reserved
2:0	DPLL2_FB_MASH_ORDER	R/W	0x2	DPLL Feedback Divider MASH Order. ROM=Y, EEPROM=N 0x0 = Integer 0x1 = 1st order 0x2 = 2nd order 0x3 = 3rd order 0x4 = 4th order

1.278 R496 Register (Offset = 0x1F0) [Reset = 0x00]Return to the [Summary Table](#).

表 1-280. R496 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL2_FB_FDEV_37:32	R/W	0x0	See Register 500

1.279 R497 Register (Offset = 0x1F1) [Reset = 0x9D]Return to the [Summary Table](#).

表 1-281. R497 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_FDEV_31:24	R/W	0x9D	See Register 500

1.280 R498 Register (Offset = 0x1F2) [Reset = 0xA3]Return to the [Summary Table](#).

表 1-282. R498 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_FDEV_23:16	R/W	0xA3	See Register 500

1.281 R499 Register (Offset = 0x1F3) [Reset = 0x83]

Return to the [Summary Table](#).

表 1-283. R499 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_FDEV_15:8	R/W	0x83	See Register 500

1.282 R500 Register (Offset = 0x1F4) [Reset = 0x41]

Return to the [Summary Table](#).

表 1-284. R500 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_FDEV	R/W	0x41	DPLL Feedback Divider DCO Frequency Deviation Value ROM=Y, EEPROM=N

1.283 R501 Register (Offset = 0x1F5) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-285. R501 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL2_FB_FDEV_UPDATE	R/W	0x1	Increment/Decrement DPLL Feedback Numerator value with DPLL_FB_FDEV value ROM=Y, EEPROM=N

1.284 R502 Register (Offset = 0x1F6) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-286. R502 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL2_FB_FDEV_EN	R/W	0x0	Enable DPLL DCO mode ROM=Y, EEPROM=N

1.285 R503 Register (Offset = 0x1F7) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-287. R503 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_STAT_3 9:32	R	0x0	See Register 507

1.286 R504 Register (Offset = 0x1F8) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-288. R504 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_STAT_3 1:24	R	0x0	See Register 507

1.287 R505 Register (Offset = 0x1F9) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-289. R505 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_STAT_2 3:16	R	0x0	See Register 507

1.288 R506 Register (Offset = 0x1FA) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-290. R506 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_STAT_1 5:8	R	0x0	See Register 507

1.289 R507 Register (Offset = 0x1FB) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-291. R507 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_FB_NUM_STAT	R	0x0	Readback DPLL Feedback Divider Numerator value as a result of DCO mode ROM=N, EEPROM=N

1.290 R508 Register (Offset = 0x1FC) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-292. R508 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	DPLL2_REF0_DBLR_EN	R/W	0x0	DPLL Reference 0 Doubler Enable ROM=Y, EEPROM=N
2	DPLL2_REF1_DBLR_EN	R/W	0x0	DPLL Reference 1 Doubler Enable ROM=Y, EEPROM=N
1:0	RESERVED	R/W	0x0	Reserved

1.291 R509 Register (Offset = 0x1FD) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-293. R509 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF0_RDIV_15:8	R/W	0x0	See Register 510

1.292 R510 Register (Offset = 0x1FE) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-294. R510 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF0_RDIV	R/W	0x1	DPLL Reference 0 R divider value ROM=Y, EEPROM=N

1.293 R511 Register (Offset = 0x1FF) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-295. R511 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF1_RDIV_15:8	R/W	0x0	See Register 512

1.294 R512 Register (Offset = 0x200) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-296. R512 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF1_RDIV	R/W	0x1	DPLL Reference 1 R divider value ROM=Y, EEPROM=N

1.295 R517 Register (Offset = 0x205) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-297. R517 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF4_RDIV_15:8	R/W	0x0	See Register 518

1.296 R518 Register (Offset = 0x206) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-298. R518 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF4_RDIV	R/W	0x0	DPLL REF4 R-divider value ROM=Y, EEPROM=N

1.297 R519 Register (Offset = 0x207) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-299. R519 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF5_RDIV_15:8	R/W	0x0	See Register 520

1.298 R520 Register (Offset = 0x208) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-300. R520 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL2_REF5_RDIV	R/W	0x0	DPLL Reference 3 R divider value ROM=Y, EEPROM=N

1.299 R523 Register (Offset = 0x20B) [Reset = 0x11]Return to the [Summary Table](#).

表 1-301. R523 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:3	DPLL3_REF0_AUTO_PRIORITY	R/W	0x2	REF0 Priority for Automatic Switchover. Sets the priority for REF0 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th
2:0	DPLL3_REF1_AUTO_PRIORITY	R/W	0x1	REF1 Priority for Automatic Switchover. Sets the priority for REF1 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

1.300 R525 Register (Offset = 0x20D) [Reset = 0x00]Return to the [Summary Table](#).

表 1-302. R525 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:3	DPLL3_REF4_AUTO_PRIORITY	R/W	0x0	REF4 Priority for Automatic Switchover. Sets the priority for REF4 feedback from APLL1 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

表 1-302. R525 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	DPPLL3_REF5_AUTO_PRIORITY	R/W	0x0	REF5 Priority for Automatic Switchover. Sets the priority for REF5 feedback from APLL2 used in Automatic Non-Revertive, Automatic Revertive, and Manual Selection with Automatic Fallback switchover modes. ROM=Y, EEPROM=N 0x0 = Not available for selection 0x1 = 1st 0x2 = 2nd 0x3 = 3rd 0x4 = 4th 0x5 = 5th 0x6 = 6th 0x7 = 7th

1.301 R526 Register (Offset = 0x20E) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-303. R526 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R/W	0x0	Reserved
5:3	DPPLL3_MAN_REFSEL	R/W	0x0	DPPLL3 Manual Reference Selection Mode. Determines how the manually selected reference is chosen. If this is set to a '1', the manually selected reference is taken from a GPIO input pin. If it is set to a '0', the manually selected reference is taken from a register. ROM=Y, EEPROM=N 0x0 = REF0 0x1 = REF1 0x2 = Reserved 0x3 = Reserved 0x4 = PLL1 0x5 = PLL2
2	DPPLL3_MAN_SWITCH_PIN_MODE	R/W	0x0	DPPLL3 Manual Reference Selection Mode. Determines how the manually selected reference is chosen. If this is set to a '1', the manually selected reference is taken from a GPIO input pin. If it is set to a '0', the manually selected reference is taken from a register. ROM=Y, EEPROM=N 0x0 = Register 0x1 = Pin
1:0	DPPLL3_SWITCH_MODE	R/W	0x1	DPPLL3 Reference Switchover Mode. Selects between Automatic Non-revertive, Automatic Revertive, Manual Selection with Automatic Fallback, and Manual Selection with Automatic Holdover. ROM=Y, EEPROM=N 0x0 = Auto non-revertive 0x1 = Auto revertive 0x2 = Manual fallback 0x3 = Manual Holdover

1.302 R527 Register (Offset = 0x20F) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-304. R527 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-304. R527 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	DPLL3_REFSEL_STAT	R	0x1	Reads the DPLL3 selected reference ROM=N, EEPROM=N 0x0 = Holdover 0x1 = REF0 0x2 = REF1 0x4 = Reserved 0x8 = Reserved 0x10 = APLL1 0x20 = APLL2

1.303 R528 Register (Offset = 0x210) [Reset = 0x80]Return to the [Summary Table](#).

表 1-305. R528 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL3_LOCKDET_PPM_EN	R/W	0x1	DPLL frequency lock detect enable ROM=Y, EEPROM=N
6:0	DPLL3_LOCKDET_PPM_MAX_14:8	R/W	0x0	See Register 529

1.304 R529 Register (Offset = 0x211) [Reset = 0x0A]Return to the [Summary Table](#).

表 1-306. R529 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_PPM_MAX	R/W	0xA	DPLL frequency lock detect in-lock threshold ROM=Y, EEPROM=N

1.305 R530 Register (Offset = 0x212) [Reset = 0x00]Return to the [Summary Table](#).

表 1-307. R530 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	DPLL3_UNLOCKDET_PPM_MAX_14:8	R/W	0x0	See Register 531

1.306 R531 Register (Offset = 0x213) [Reset = 0x64]Return to the [Summary Table](#).

表 1-308. R531 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_UNLOCKDET_PPM_MAX	R/W	0x64	DPLL frequency lock detect out-of-lock threshold ROM=Y, EEPROM=N

1.307 R532 Register (Offset = 0x214) [Reset = 0x00]Return to the [Summary Table](#).

表 1-309. R532 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL3_LOCKDET2_PPM_CNTSTRT_29:24	R/W	0x0	See Register 535

1.308 R533 Register (Offset = 0x215) [Reset = 0x03]

Return to the [Summary Table](#).

表 1-310. R533 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET2_PPM_CNTSTRT_23:16	R/W	0x3	See Register 535

1.309 R534 Register (Offset = 0x216) [Reset = 0x0D]

Return to the [Summary Table](#).

表 1-311. R534 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET2_PPM_CNTSTRT_15:8	R/W	0xD	See Register 535

1.310 R535 Register (Offset = 0x217) [Reset = 0x40]

Return to the [Summary Table](#).

表 1-312. R535 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET2_PPM_CNTSTRT	R/W	0x40	DPLL frequency lock detect reference count value used with DPLL1 feedback configuration 2 ROM=Y, EEPROM=N

1.311 R536 Register (Offset = 0x218) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-313. R536 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL3_LOCKDET_PPM_CNTSTRT_29:24	R/W	0x0	See Register 539

1.312 R537 Register (Offset = 0x219) [Reset = 0x24]

Return to the [Summary Table](#).

表 1-314. R537 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_PPM_CNTSTRT_23:16	R/W	0x24	See Register 539

1.313 R538 Register (Offset = 0x21A) [Reset = 0x9F]

Return to the [Summary Table](#).

表 1-315. R538 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_PPM_CNTSTRT_15:8	R/W	0x9F	See Register 539

1.314 R539 Register (Offset = 0x21B) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-316. R539 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_PPM_CNTSTRT	R/W	0x0	DPLL frequency lock detect reference count value used with DPLL3 feedback configuration 1 ROM=Y, EEPROM=N

1.315 R540 Register (Offset = 0x21C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-317. R540 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL3_LOCKDET_VCO_PPM_CNTSTRT_29:24	R/W	0x0	See Register 543

1.316 R541 Register (Offset = 0x21D) [Reset = 0x98]

Return to the [Summary Table](#).

表 1-318. R541 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_VCO_PPM_CNTSTRT_23:16	R/W	0x98	See Register 543

1.317 R542 Register (Offset = 0x21E) [Reset = 0x96]

Return to the [Summary Table](#).

表 1-319. R542 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_VCO_PPM_CNTSTRT_15:8	R/W	0x96	See Register 543

1.318 R543 Register (Offset = 0x21F) [Reset = 0x80]

Return to the [Summary Table](#).

表 1-320. R543 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LOCKDET_VCO_PPM_CNTSTRT	R/W	0x80	DPLL frequency lock detect VCO count value ROM=Y, EEPROM=N

1.319 R544 Register (Offset = 0x220) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-321. R544 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:3	RESERVED	R	0x0	Reserved
2:1	RESERVED	R	0x0	Reserved
0	DPLL3_STATUS_PPM_LOCK	R	0x0	Readback lock indicator from DPLL PPM Checker ROM=N, EEPROM=N

1.320 R547 Register (Offset = 0x223) [Reset = 0xD5]

Return to the [Summary Table](#).

表 1-322. R547 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL3_LOOP_EN	R/W	0x1	Enable DPLL3 loop filter and R-Div mash engine ROM=Y, EEPROM=N
6	DPLL3_PHASE_CANCEL_EN	R/W	0x1	Enable Phase Cancellation ROM=Y, EEPROM=N
5	DPLL3_FASTLOCK_ALWAYS	R/W	0x0	Always perform fastlock ROM=Y, EEPROM=N
4	DPLL3_PHS1_EN	R/W	0x1	Enable holdover exit phase slew control . ROM=Y, EEPROM=N
3	DPLL3_ZDM_EN	R/W	0x0	Enable Zero Delay mode ROM=Y, EEPROM=N
2	DPLL3_HIST_EN	R/W	0x1	Enable History word to be used during holdover ROM=Y, EEPROM=N
1	DPLL3_PHASE_CANCEL_ALWAYS	R/W	0x0	Force phase cancellation to always occur when DPLL is acquiring lock. ROM=Y, EEPROM=N
0	RESERVED	R/W	0x1	Reserved

1.321 R548 Register (Offset = 0x224) [Reset = 0x56]

Return to the [Summary Table](#).

表 1-323. R548 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPLL3_HOLD_SLEW_LIMIT_EN	R/W	0x0	During holdover enable slew limiter ROM=Y, EEPROM=N
6:0	RESERVED	R/W	0x56	Reserved

1.322 R550 Register (Offset = 0x226) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-324. R550 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	DPLL3_PH_OFFSET_44:40	R/W	0x0	See Register 555

1.323 R551 Register (Offset = 0x227) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-325. R551 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_PH_OFFSET_39:32	R/W	0x0	See Register 555

1.324 R552 Register (Offset = 0x228) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-326. R552 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_PH_OFFSET_31:24	R/W	0x0	See Register 555

1.325 R553 Register (Offset = 0x229) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-327. R553 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_PH_OFFSET_23:16	R/W	0x0	See Register 555

1.326 R554 Register (Offset = 0x22A) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-328. R554 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_PH_OFFSET_15:8	R/W	0x0	See Register 555

1.327 R555 Register (Offset = 0x22B) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-329. R555 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_PH_OFFSET	R/W	0x0	Phase offset to control input to output phase in ZDM. ROM=Y, EEPROM=N

1.328 R556 Register (Offset = 0x22C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-330. R556 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FREE_RUN_39:32	R/W	0x0	See Register 560

1.329 R557 Register (Offset = 0x22D) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-331. R557 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPPLL3_FREE_RUN_31:2 4	R/W	0x0	See Register 560

1.330 R558 Register (Offset = 0x22E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-332. R558 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPPLL3_FREE_RUN_23:1 6	R/W	0x0	See Register 560

1.331 R559 Register (Offset = 0x22F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-333. R559 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPPLL3_FREE_RUN_15:8	R/W	0x0	See Register 560

1.332 R560 Register (Offset = 0x230) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-334. R560 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPPLL3_FREE_RUN	R/W	0x0	DPPLL starting word. Also non-history holdover word. ROM=Y, EEPROM=N

1.333 R561 Register (Offset = 0x231) [Reset = 0x03]

Return to the [Summary Table](#).

表 1-335. R561 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	DPPLL3_PPM_REF_SEL	R/W	0x0	PPM Detector Reference Selection. When set to 0, the selected input reference is used. When set to 1, the XO is used. ROM=Y, EEPROM=N 0x0 = DPPLL3 DLD 0x1 = APPLL3 DLD
6:0	RESERVED	R/W	0x3	Reserved

1.334 R590 Register (Offset = 0x24E) [Reset = 0x03]

Return to the [Summary Table](#).

表 1-336. R590 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved

表 1-336. R590 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
1:0	DPLL3_LCK_TIMER_9:8	R/W	0x3	See Register 591

1.335 R591 Register (Offset = 0x24F) [Reset = 0x09]Return to the [Summary Table](#).

表 1-337. R591 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_LCK_TIMER	R/W	0x9	Minimum amount of time until DPLL3_LOPL will be deasserted after starting to lock. Timer begins once device is within valid phase lock window. ROM=Y, EEPROM=N

1.336 R592 Register (Offset = 0x250) [Reset = 0x01]Return to the [Summary Table](#).

表 1-338. R592 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL3_HIST_TIMER_9:8	R/W	0x1	See Register 593

1.337 R593 Register (Offset = 0x251) [Reset = 0x92]Return to the [Summary Table](#).

表 1-339. R593 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_HIST_TIMER	R/W	0x92	History timer ROM=Y, EEPROM=N

1.338 R594 Register (Offset = 0x252) [Reset = 0x0D]Return to the [Summary Table](#).

表 1-340. R594 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:2	RESERVED	R/W	0x3	Reserved
1:0	DPLL3_HOLD_TIMER_9:8	R/W	0x1	See Register 595

1.339 R595 Register (Offset = 0x253) [Reset = 0x42]Return to the [Summary Table](#).

表 1-341. R595 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_HOLD_TIMER	R/W	0x42	Rate of change to DPLL or APLL numerator during phase slew control. See DPLLx_HOLD_SLEW_STEP. ROM=Y, EEPROM=N

1.340 R596 Register (Offset = 0x254) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-342. R596 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	DPLL3_PHS1_TIMER_9:8	R/W	0x1	See Register 597

1.341 R597 Register (Offset = 0x255) [Reset = 0x40]

Return to the [Summary Table](#).

表 1-343. R597 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_PHS1_TIMER	R/W	0x40	Holdover exit phase slew control. Timer controlling update period. ROM=Y, EEPROM=N

1.342 R602 Register (Offset = 0x25A) [Reset = 0x08]

Return to the [Summary Table](#).

表 1-344. R602 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	DPLL3_HIST_GAIN	R/W	0x8	History filter gain ROM=Y, EEPROM=N

1.343 R603 Register (Offset = 0x25B) [Reset = 0x22]

Return to the [Summary Table](#).

表 1-345. R603 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL3_PL_THRESH	R/W	0x22	Phase lock in-lock threshold ROM=Y, EEPROM=N

1.344 R604 Register (Offset = 0x25C) [Reset = 0x24]

Return to the [Summary Table](#).

表 1-346. R604 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL3_PL_UNLK_THRE SH	R/W	0x24	Phase lock out-of-lock threshold ROM=Y, EEPROM=N

1.345 R605 Register (Offset = 0x25D) [Reset = 0x07]

Return to the [Summary Table](#).

表 1-347. R605 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-347. R605 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	DPLL3_PHS1_THRESH	R/W	0x7	Holdover exit phase slew control. Change per timer event. ROM=Y, EEPROM=N

1.346 R610 Register (Offset = 0x262) [Reset = 0x00]Return to the [Summary Table](#).

表 1-348. R610 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R	0x0	Reserved
5	DPLL3_STATUS_PL	R	0x0	Readback the phase lock status ROM=N, EEPROM=N
4:0	RESERVED	R	0x0	Reserved

1.347 R611 Register (Offset = 0x263) [Reset = 0x00]Return to the [Summary Table](#).

表 1-349. R611 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	DPLL3_DCO_SLEW_ACTIVE	R	0x0	Readback DCO slew status ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.348 R614 Register (Offset = 0x266) [Reset = 0x00]Return to the [Summary Table](#).

表 1-350. R614 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL3_FB_DIV_32:32	R/W	0x0	See Register 618

1.349 R615 Register (Offset = 0x267) [Reset = 0x00]Return to the [Summary Table](#).

表 1-351. R615 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DIV_31:24	R/W	0x0	See Register 618

1.350 R616 Register (Offset = 0x268) [Reset = 0x00]Return to the [Summary Table](#).

表 1-352. R616 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DIV_23:16	R/W	0x0	See Register 618

1.351 R617 Register (Offset = 0x269) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-353. R617 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DIV_15:8	R/W	0x0	See Register 618

1.352 R618 Register (Offset = 0x26A) [Reset = 0x64]

Return to the [Summary Table](#).

表 1-354. R618 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DIV	R/W	0x64	DPLL Feedback Divider N Value used with DPLL3 feedback configuration 1 ROM=Y, EEPROM=N

1.353 R619 Register (Offset = 0x26B) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-355. R619 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_39:32	R/W	0x0	See Register 623

1.354 R620 Register (Offset = 0x26C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-356. R620 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_31:24	R/W	0x0	See Register 623

1.355 R621 Register (Offset = 0x26D) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-357. R621 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_23:16	R/W	0x0	See Register 623

1.356 R622 Register (Offset = 0x26E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-358. R622 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_15:8	R/W	0x0	See Register 623

1.357 R623 Register (Offset = 0x26F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-359. R623 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM	R/W	0x0	DPLL Feedback Divider Numerator Value used with DPLL3 feedback configuration 1 ROM=Y, EEPROM=N

1.358 R624 Register (Offset = 0x270) [Reset = 0x00]Return to the [Summary Table](#).

表 1-360. R624 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DEN_39:32	R/W	0x0	See Register 628

1.359 R625 Register (Offset = 0x271) [Reset = 0x00]Return to the [Summary Table](#).

表 1-361. R625 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DEN_31:24	R/W	0x0	See Register 628

1.360 R626 Register (Offset = 0x272) [Reset = 0x00]Return to the [Summary Table](#).

表 1-362. R626 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DEN_23:16	R/W	0x0	See Register 628

1.361 R627 Register (Offset = 0x273) [Reset = 0x00]Return to the [Summary Table](#).

表 1-363. R627 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DEN_15:8	R/W	0x0	See Register 628

1.362 R628 Register (Offset = 0x274) [Reset = 0x00]Return to the [Summary Table](#).

表 1-364. R628 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_DEN	R/W	0x0	DPLL Feedback Divider Denominator Value used with DPLL3 feedback configuration 1 ROM=Y, EEPROM=N

1.363 R629 Register (Offset = 0x275) [Reset = 0x00]Return to the [Summary Table](#).

表 1-365. R629 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL3_FB2_DIV_32:32	R/W	0x0	See Register 633

1.364 R630 Register (Offset = 0x276) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-366. R630 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DIV_31:24	R/W	0x0	See Register 633

1.365 R631 Register (Offset = 0x277) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-367. R631 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DIV_23:16	R/W	0x0	See Register 633

1.366 R632 Register (Offset = 0x278) [Reset = 0x07]

Return to the [Summary Table](#).

表 1-368. R632 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DIV_15:8	R/W	0x7	See Register 633

1.367 R633 Register (Offset = 0x279) [Reset = 0xAE]

Return to the [Summary Table](#).

表 1-369. R633 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DIV	R/W	0xAE	DPLL Feedback Divider N Value used with DPLL3 feedback configuration 2 ROM=Y, EEPROM=N

1.368 R634 Register (Offset = 0x27A) [Reset = 0x14]

Return to the [Summary Table](#).

表 1-370. R634 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_NUM_39:32	R/W	0x14	See Register 638

1.369 R635 Register (Offset = 0x27B) [Reset = 0x7A]

Return to the [Summary Table](#).

表 1-371. R635 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_NUM_31:24	R/W	0x7A	See Register 638

1.370 R636 Register (Offset = 0x27C) [Reset = 0xE1]Return to the [Summary Table](#).

表 1-372. R636 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_NUM_23:16	R/W	0xE1	See Register 638

1.371 R637 Register (Offset = 0x27D) [Reset = 0x47]Return to the [Summary Table](#).

表 1-373. R637 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_NUM_15:8	R/W	0x47	See Register 638

1.372 R638 Register (Offset = 0x27E) [Reset = 0xAE]Return to the [Summary Table](#).

表 1-374. R638 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_NUM	R/W	0xAE	DPLL Feedback Divider Numerator Value used with DPLL3 feedback configuration 2 ROM=Y, EEPROM=N

1.373 R639 Register (Offset = 0x27F) [Reset = 0xFF]Return to the [Summary Table](#).

表 1-375. R639 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DEN_39:32	R/W	0xFF	See Register 643

1.374 R640 Register (Offset = 0x280) [Reset = 0xFF]Return to the [Summary Table](#).

表 1-376. R640 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DEN_31:24	R/W	0xFF	See Register 643

1.375 R641 Register (Offset = 0x281) [Reset = 0xFF]Return to the [Summary Table](#).

表 1-377. R641 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DEN_23:16	R/W	0xFF	See Register 643

1.376 R642 Register (Offset = 0x282) [Reset = 0xFF]

Return to the [Summary Table](#).

表 1-378. R642 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DEN_15:8	R/W	0xFF	See Register 643

1.377 R643 Register (Offset = 0x283) [Reset = 0xFF]

Return to the [Summary Table](#).

表 1-379. R643 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB2_DEN	R/W	0xFF	DPLL Feedback Divider Denominator Value used with DPLL3 feedback configuration 2 ROM=Y, EEPROM=N

1.378 R644 Register (Offset = 0x284) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-380. R644 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	DPLL3_REF5_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF5. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
4	DPLL3_REF4_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF4. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
3:2	RESERVED	R/W	0x0	Reserved
1	DPLL3_REF1_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF1. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2
0	DPLL3_REF0_FB_SEL	R/W	0x0	DPLL Feedback N, NUM, DEN select for REF0. When this bit is a 0, Value 1 is chosen for each of the three parameters. When it is set to a 1, Value 2 is used. ROM=Y, EEPROM=N 0x0 = FB Config 1 0x1 = FB Config 2

1.379 R645 Register (Offset = 0x285) [Reset = 0x02]

Return to the [Summary Table](#).

表 1-381. R645 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:3	RESERVED	R/W	0x0	Reserved

表 1-381. R645 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	DPLL3_FB_MASH_ORDE R	R/W	0x2	DPLL Feedback Divider MASH Order. ROM=Y, EEPROM=N 0x0 = Integer 0x1 = 1st order 0x2 = 2nd order 0x3 = 3rd order 0x4 = 4th order

1.380 R646 Register (Offset = 0x286) [Reset = 0x00]Return to the [Summary Table](#).

表 1-382. R646 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5:0	DPLL3_FB_FDEV_37:32	R/W	0x0	See Register 650

1.381 R647 Register (Offset = 0x287) [Reset = 0x00]Return to the [Summary Table](#).

表 1-383. R647 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_FDEV_31:24	R/W	0x0	See Register 650

1.382 R648 Register (Offset = 0x288) [Reset = 0x00]Return to the [Summary Table](#).

表 1-384. R648 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_FDEV_23:16	R/W	0x0	See Register 650

1.383 R649 Register (Offset = 0x289) [Reset = 0x00]Return to the [Summary Table](#).

表 1-385. R649 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_FDEV_15:8	R/W	0x0	See Register 650

1.384 R650 Register (Offset = 0x28A) [Reset = 0x00]Return to the [Summary Table](#).

表 1-386. R650 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_FDEV	R/W	0x0	DPLL Feedback Divider DCO Frequency Deviation Value ROM=Y, EEPROM=N

1.385 R651 Register (Offset = 0x28B) [Reset = 0x00]Return to the [Summary Table](#).

表 1-387. R651 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL3_FB_FDEV_UPDATE	R/W	0x0	Increment/Decrement DPLL Feedback Numerator value with DPLL_FB_FDEV value ROM=Y, EEPROM=N

1.386 R652 Register (Offset = 0x28C) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-388. R652 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	DPLL3_FB_FDEV_EN	R/W	0x0	Enable DPLL DCO mode ROM=Y, EEPROM=N

1.387 R653 Register (Offset = 0x28D) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-389. R653 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_STAT_3 9:32	R	0x0	See Register 657

1.388 R654 Register (Offset = 0x28E) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-390. R654 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_STAT_3 1:24	R	0x0	See Register 657

1.389 R655 Register (Offset = 0x28F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-391. R655 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_STAT_2 3:16	R	0x0	See Register 657

1.390 R656 Register (Offset = 0x290) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-392. R656 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_STAT_1 5:8	R	0x0	See Register 657

1.391 R657 Register (Offset = 0x291) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-393. R657 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_FB_NUM_STAT	R	0x0	Readback DPLL Feedback Divider Numerator value as a result of DCO mode ROM=N, EEPROM=N

1.392 R658 Register (Offset = 0x292) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-394. R658 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	DPLL3_REF0_DBLR_EN	R/W	0x0	DPLL Reference 0 Doubler Enable ROM=Y, EEPROM=N
2	DPLL3_REF1_DBLR_EN	R/W	0x0	DPLL Reference 1 Doubler Enable ROM=Y, EEPROM=N
1:0	RESERVED	R/W	0x0	Reserved

1.393 R659 Register (Offset = 0x293) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-395. R659 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF0_RDIV_15:8	R/W	0x0	See Register 660

1.394 R660 Register (Offset = 0x294) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-396. R660 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF0_RDIV	R/W	0x1	DPLL Reference 0 R divider value ROM=Y, EEPROM=N

1.395 R661 Register (Offset = 0x295) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-397. R661 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF1_RDIV_15:8	R/W	0x0	See Register 662

1.396 R662 Register (Offset = 0x296) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-398. R662 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF1_RDIV	R/W	0x1	DPLL Reference 1 R divider value ROM=Y, EEPROM=N

1.397 R663 Register (Offset = 0x297) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-399. R663 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF2_RDIV_15:8	R/W	0x0	See Register 664

1.398 R664 Register (Offset = 0x298) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-400. R664 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF2_RDIV	R/W	0x0	DPLL Reference 2 R divider value ROM=Y, EEPROM=N

1.399 R669 Register (Offset = 0x29D) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-401. R669 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF5_RDIV_15:8	R/W	0x1	See Register 670

1.400 R670 Register (Offset = 0x29E) [Reset = 0x01]

Return to the [Summary Table](#).

表 1-402. R670 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	DPLL3_REF5_RDIV	R/W	0x1	DPLL Reference 5 R divider value ROM=Y, EEPROM=N

1.401 R707 Register (Offset = 0x2C3) [Reset = 0x6D]

Return to the [Summary Table](#).

表 1-403. R707 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_CP_PU_R	R/W	0x6D	PLL charge pump pull-up resistor selection ROM=Y, EEPROM=N 0x0 = Disabled 0x1 = 78 k Ω 0x2 = 39 k Ω 0x3 = 26 k Ω 0x4 = 20 k Ω 0x5 = 15.9 k Ω 0x6 = 13.2 k Ω 0x7 = 11.3 k Ω 0x8 = 9.8 k Ω 0x9 = 8.71 k Ω 0xA = 7.83 k Ω 0xB = 7.12 k Ω 0xC = 6.58 k Ω 0xD = 6.07 k Ω 0xE = 5.63 k Ω 0xF = 5.25 k Ω 0x10 = 4.9 k Ω 0x11 = 4.61 k Ω 0x12 = 4.35 k Ω 0x13 = 4.12 k Ω 0x14 = 3.94 k Ω 0x15 = 3.75 k Ω 0x16 = 3.57 k Ω 0x17 = 3.42 k Ω 0x18 = 3.27 k Ω 0x19 = 3.14 k Ω 0x1A = 3.01 k Ω 0x1B = 2.9 k Ω 0x1C = 2.81 k Ω 0x1D = 2.71 k Ω 0x1E = 2.62 k Ω 0x1F = 2.53 k Ω 0x20 = 2.4 k Ω 0x21 = 2.33 k Ω 0x22 = 2.26 k Ω 0x23 = 2.2 k Ω 0x24 = 2.14 k Ω 0x25 = 2.09 k Ω 0x26 = 2.03 k Ω 0x27 = 1.98 k Ω 0x28 = 1.93 k Ω 0x29 = 1.88 k Ω 0x2A = 1.84 k Ω 0x2B = 1.79 k Ω 0x2C = 1.76 k Ω 0x2D = 1.72 k Ω 0x2E = 1.68 k Ω 0x2F = 1.65 k Ω 0x30 = 1.61 k Ω 0x31 = 1.58 k Ω 0x32 = 1.55 k Ω 0x33 = 1.52 k Ω 0x34 = 1.49 k Ω 0x35 = 1.46 k Ω 0x36 = 1.44 k Ω 0x37 = 1.41 k Ω 0x38 = 1.38 k Ω 0x39 = 1.36 k Ω 0x3A = 1.34 k Ω 0x3B = 1.31 k Ω 0x3C = 1.29 k Ω

表 1-403. R707 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 1.27 k Ω
				0x3E = 1.25 k Ω
				0x3F = 1.23 k Ω
				0x40 = 1.2 k Ω
				0x41 = 1.18 k Ω
				0x42 = 1.16 k Ω
				0x43 = 1.15 k Ω
				0x44 = 1.13 k Ω
				0x45 = 1.12 k Ω
				0x46 = 1.1 k Ω
				0x47 = 1.08 k Ω
				0x48 = 1.07 k Ω
				0x49 = 1.05 k Ω
				0x4A = 1.04 k Ω
				0x4B = 1.03 k Ω
				0x4C = 1.01 k Ω
				0x4D = 1 k Ω
				0x4E = 0.989 k Ω
				0x4F = 0.977 k Ω
				0x50 = 0.964 k Ω
				0x51 = 0.952 k Ω
				0x52 = 0.941 k Ω
				0x53 = 0.929 k Ω
				0x54 = 0.92 k Ω
				0x55 = 0.909 k Ω
				0x56 = 0.898 k Ω
				0x57 = 0.888 k Ω
				0x58 = 0.878 k Ω
				0x59 = 0.868 k Ω
				0x5A = 0.858 k Ω
				0x5B = 0.849 k Ω
				0x5C = 0.841 k Ω
				0x5D = 0.832 k Ω
				0x5E = 0.823 k Ω
				0x5F = 0.814 k Ω
				0x60 = 0.8 k Ω
				0x61 = 0.792 k Ω
				0x62 = 0.784 k Ω
				0x63 = 0.776 k Ω
				0x64 = 0.769 k Ω
				0x65 = 0.762 k Ω
				0x66 = 0.754 k Ω
				0x67 = 0.747 k Ω
				0x68 = 0.74 k Ω
				0x69 = 0.733 k Ω
				0x6A = 0.726 k Ω
				0x6B = 0.719 k Ω
				0x6C = 0.713 k Ω
				0x6D = 0.707 k Ω
				0x6E = 0.7 k Ω
				0x6F = 0.694 k Ω
				0x70 = 0.688 k Ω
				0x71 = 0.682 k Ω
				0x72 = 0.676 k Ω
				0x73 = 0.67 k Ω
				0x74 = 0.665 k Ω
				0x75 = 0.659 k Ω
				0x76 = 0.654 k Ω
				0x77 = 0.648 k Ω
				0x78 = 0.643 k Ω
				0x79 = 0.637 k Ω
				0x7A = 0.632 k Ω

表 1-403. R707 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x7B = 0.627 k Ω
				0x7C = 0.623 k Ω
				0x7D = 0.618 k Ω
				0x7E = 0.613 k Ω
				0x7F = 0.608 k Ω
				0x80 = 0.6 k Ω
				0x81 = 0.595 k Ω
				0x82 = 0.591 k Ω
				0x83 = 0.586 k Ω
				0x84 = 0.583 k Ω
				0x85 = 0.578 k Ω
				0x86 = 0.574 k Ω
				0x87 = 0.57 k Ω
				0x88 = 0.565 k Ω
				0x89 = 0.561 k Ω
				0x8A = 0.557 k Ω
				0x8B = 0.553 k Ω
				0x8C = 0.55 k Ω
				0x8D = 0.546 k Ω
				0x8E = 0.542 k Ω
				0x8F = 0.538 k Ω
				0x90 = 0.535 k Ω
				0x91 = 0.531 k Ω
				0x92 = 0.527 k Ω
				0x93 = 0.524 k Ω
				0x94 = 0.521 k Ω
				0x95 = 0.517 k Ω
				0x96 = 0.514 k Ω
				0x97 = 0.51 k Ω
				0x98 = 0.507 k Ω
				0x99 = 0.504 k Ω
				0x9A = 0.5 k Ω
				0x9B = 0.497 k Ω
				0x9C = 0.494 k Ω
				0x9D = 0.491 k Ω
				0x9E = 0.488 k Ω
				0x9F = 0.485 k Ω
				0xA0 = 0.48 k Ω
				0xA1 = 0.477 k Ω
				0xA2 = 0.474 k Ω
				0xA3 = 0.471 k Ω
				0xA4 = 0.469 k Ω
				0xA5 = 0.466 k Ω
				0xA6 = 0.463 k Ω
				0xA7 = 0.46 k Ω
				0xA8 = 0.458 k Ω
				0xA9 = 0.455 k Ω
				0xAA = 0.452 k Ω
				0xAB = 0.45 k Ω
				0xAC = 0.447 k Ω
				0xAD = 0.445 k Ω
				0xAE = 0.442 k Ω
				0xAF = 0.44 k Ω
				0xB0 = 0.437 k Ω
				0xB1 = 0.435 k Ω
				0xB2 = 0.432 k Ω
				0xB3 = 0.43 k Ω
				0xB4 = 0.428 k Ω
				0xB5 = 0.425 k Ω
				0xB6 = 0.423 k Ω
				0xB7 = 0.421 k Ω
				0xB8 = 0.419 k Ω

表 1-403. R707 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0xB9 = 0.416 k Ω
				0xBA = 0.414 k Ω
				0xBB = 0.412 k Ω
				0xBC = 0.41 k Ω
				0xBD = 0.408 k Ω
				0xBE = 0.406 k Ω
				0xBF = 0.404 k Ω
				0xC0 = 0.4 k Ω
				0xC1 = 0.398 k Ω
				0xC2 = 0.396 k Ω
				0xC3 = 0.394 k Ω
				0xC4 = 0.392 k Ω
				0xC5 = 0.39 k Ω
				0xC6 = 0.388 k Ω
				0xC7 = 0.386 k Ω
				0xC8 = 0.384 k Ω
				0xC9 = 0.382 k Ω
				0xCA = 0.381 k Ω
				0xCB = 0.379 k Ω
				0xCC = 0.377 k Ω
				0xCD = 0.375 k Ω
				0xCE = 0.373 k Ω
				0xCF = 0.372 k Ω
				0xD0 = 0.37 k Ω
				0xD1 = 0.368 k Ω
				0xD2 = 0.366 k Ω
				0xD3 = 0.365 k Ω
				0xD4 = 0.363 k Ω
				0xD5 = 0.361 k Ω
				0xD6 = 0.36 k Ω
				0xD7 = 0.358 k Ω
				0xD8 = 0.356 k Ω
				0xD9 = 0.355 k Ω
				0xDA = 0.353 k Ω
				0xDB = 0.352 k Ω
				0xDC = 0.35 k Ω
				0xDD = 0.349 k Ω
				0xDE = 0.347 k Ω
				0xDF = 0.345 k Ω
				0xE0 = 0.343 k Ω
				0xE1 = 0.341 k Ω
				0xE2 = 0.34 k Ω
				0xE3 = 0.338 k Ω
				0xE4 = 0.337 k Ω
				0xE5 = 0.336 k Ω
				0xE6 = 0.334 k Ω
				0xE7 = 0.333 k Ω
				0xE8 = 0.331 k Ω
				0xE9 = 0.33 k Ω
				0xEA = 0.328 k Ω
				0xEB = 0.327 k Ω
				0xEC = 0.326 k Ω
				0xED = 0.325 k Ω
				0xEE = 0.323 k Ω
				0xEF = 0.322 k Ω
				0xF0 = 0.32 k Ω
				0xF1 = 0.319 k Ω
				0xF2 = 0.318 k Ω
				0xF3 = 0.317 k Ω
				0xF4 = 0.315 k Ω
				0xF5 = 0.314 k Ω
				0xF6 = 0.313 k Ω

表 1-403. R707 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0xF7 = 0.312 k Ω 0xF8 = 0.31 k Ω 0xF9 = 0.309 k Ω 0xFA = 0.308 k Ω 0xFB = 0.307 k Ω 0xFC = 0.306 k Ω 0xFD = 0.304 k Ω 0xFE = 0.303 k Ω 0xFF = 0.302 k Ω

1.402 R708 Register (Offset = 0x2C4) [Reset = 0x03]Return to the [Summary Table](#).

表 1-404. R708 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1:0	PLL1_CPG	R/W	0x3	PLL charge pump gain Pump up/down. ROM=Y, EEPROM=Y 0x0 = 1.6 mA 0x1 = 3.2 mA 0x2 = 4.8 mA 0x3 = 6.4 mA

1.403 R709 Register (Offset = 0x2C5) [Reset = 0x09]Return to the [Summary Table](#).

表 1-405. R709 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-405. R709 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL1_LF_R2	R/W	0x9	PLL Loop Filter R2 setting ROM=Y, EEPROM=N 0x0 = 0.016 k Ω 0x1 = 0.262 k Ω 0x2 = 0.357 k Ω 0x3 = 0.166 k Ω 0x4 = 0.642 k Ω 0x5 = 0.199 k Ω 0x6 = 0.244 k Ω 0x7 = 0.142 k Ω 0x8 = 1.14 k Ω 0x9 = 0.222 k Ω 0xA = 0.283 k Ω 0xB = 0.152 k Ω 0xC = 0.425 k Ω 0xD = 0.177 k Ω 0xE = 0.21 k Ω 0xF = 0.132 k Ω 0x10 = 0.847 k Ω 0x11 = 1.06 k Ω 0x12 = 1.16 k Ω 0x13 = 0.966 k Ω 0x14 = 1.44 k Ω 0x15 = 0.998 k Ω 0x16 = 1.04 k Ω 0x17 = 0.941 k Ω 0x18 = 1.94 k Ω 0x19 = 1.02 k Ω 0x1A = 1.08 k Ω 0x1B = 0.951 k Ω 0x1C = 1.22 k Ω 0x1D = 0.976 k Ω 0x1E = 1.01 k Ω 0x1F = 0.931 k Ω 0x20 = 1.66 k Ω 0x21 = 1.88 k Ω 0x22 = 1.97 k Ω 0x23 = 1.78 k Ω 0x24 = 2.26 k Ω 0x25 = 1.81 k Ω 0x26 = 1.86 k Ω 0x27 = 1.76 k Ω 0x28 = 2.75 k Ω 0x29 = 1.84 k Ω 0x2A = 1.9 k Ω 0x2B = 1.77 k Ω 0x2C = 2.04 k Ω 0x2D = 1.79 k Ω 0x2E = 1.82 k Ω 0x2F = 1.75 k Ω 0x30 = 2.46 k Ω 0x31 = 2.68 k Ω 0x32 = 2.77 k Ω 0x33 = 2.58 k Ω 0x34 = 3.06 k Ω 0x35 = 2.61 k Ω 0x36 = 2.66 k Ω 0x37 = 2.56 k Ω 0x38 = 3.55 k Ω 0x39 = 2.64 k Ω 0x3A = 2.7 k Ω 0x3B = 2.57 k Ω 0x3C = 2.84 k Ω

表 1-405. R709 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 2.59 k Ω 0x3E = 2.62 k Ω 0x3F = 2.55 k Ω

1.404 R710 Register (Offset = 0x2C6) [Reset = 0x02]

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表 1-406. R710 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-406. R710 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL1_LF_R3	R/W	0x2	PLL Loop Filter R3 setting ROM=Y, EEPROM=N 0x0 = 0.016 k Ω 0x1 = 0.277 k Ω 0x2 = 0.657 k Ω 0x3 = 0.214 k Ω 0x4 = 0.754 k Ω 0x5 = 0.221 k Ω 0x6 = 0.375 k Ω 0x7 = 0.183 k Ω 0x8 = 0.863 k Ω 0x9 = 1.08 k Ω 0xA = 1.46 k Ω 0xB = 1.01 k Ω 0xC = 1.55 k Ω 0xD = 1.02 k Ω 0xE = 1.17 k Ω 0xF = 0.982 k Ω 0x10 = 1.68 k Ω 0x11 = 1.89 k Ω 0x12 = 2.27 k Ω 0x13 = 1.83 k Ω 0x14 = 2.37 k Ω 0x15 = 1.84 k Ω 0x16 = 1.99 k Ω 0x17 = 1.8 k Ω 0x18 = 2.48 k Ω 0x19 = 2.69 k Ω 0x1A = 3.07 k Ω 0x1B = 2.63 k Ω 0x1C = 3.17 k Ω 0x1D = 2.63 k Ω 0x1E = 2.79 k Ω 0x1F = 2.6 k Ω 0x20 = 3.31 k Ω 0x21 = 3.52 k Ω 0x22 = 3.9 k Ω 0x23 = 3.46 k Ω 0x24 = 4 k Ω 0x25 = 3.47 k Ω 0x26 = 3.62 k Ω 0x27 = 3.43 k Ω 0x28 = 4.11 k Ω 0x29 = 4.32 k Ω 0x2A = 4.7 k Ω 0x2B = 4.26 k Ω 0x2C = 4.8 k Ω 0x2D = 4.26 k Ω 0x2E = 4.42 k Ω 0x2F = 4.23 k Ω 0x30 = 4.92 k Ω 0x31 = 5.14 k Ω 0x32 = 5.52 k Ω 0x33 = 5.07 k Ω 0x34 = 5.61 k Ω 0x35 = 5.08 k Ω 0x36 = 5.23 k Ω 0x37 = 5.04 k Ω 0x38 = 5.72 k Ω 0x39 = 5.94 k Ω 0x3A = 6.32 k Ω 0x3B = 5.87 k Ω 0x3C = 6.41 k Ω

表 1-406. R710 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 5.88 k Ω 0x3E = 6.03 k Ω 0x3F = 5.84 k Ω

1.405 R711 Register (Offset = 0x2C7) [Reset = 0x02]Return to the [Summary Table](#).

表 1-407. R711 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-407. R711 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL1_LF_R4	R/W	0x2	PLL Loop Filter R4 setting ROM=Y, EEPROM=N 0x0 = 0.016 k Ω 0x1 = 0.277 k Ω 0x2 = 0.657 k Ω 0x3 = 0.214 k Ω 0x4 = 0.754 k Ω 0x5 = 0.221 k Ω 0x6 = 0.375 k Ω 0x7 = 0.183 k Ω 0x8 = 0.863 k Ω 0x9 = 1.08 k Ω 0xA = 1.46 k Ω 0xB = 1.01 k Ω 0xC = 1.55 k Ω 0xD = 1.02 k Ω 0xE = 1.17 k Ω 0xF = 0.982 k Ω 0x10 = 1.68 k Ω 0x11 = 1.89 k Ω 0x12 = 2.27 k Ω 0x13 = 1.83 k Ω 0x14 = 2.37 k Ω 0x15 = 1.84 k Ω 0x16 = 1.99 k Ω 0x17 = 1.8 k Ω 0x18 = 2.48 k Ω 0x19 = 2.69 k Ω 0x1A = 3.07 k Ω 0x1B = 2.63 k Ω 0x1C = 3.17 k Ω 0x1D = 2.63 k Ω 0x1E = 2.79 k Ω 0x1F = 2.6 k Ω 0x20 = 3.31 k Ω 0x21 = 3.52 k Ω 0x22 = 3.9 k Ω 0x23 = 3.46 k Ω 0x24 = 4 k Ω 0x25 = 3.47 k Ω 0x26 = 3.62 k Ω 0x27 = 3.43 k Ω 0x28 = 4.11 k Ω 0x29 = 4.32 k Ω 0x2A = 4.7 k Ω 0x2B = 4.26 k Ω 0x2C = 4.8 k Ω 0x2D = 4.26 k Ω 0x2E = 4.42 k Ω 0x2F = 4.23 k Ω 0x30 = 4.92 k Ω 0x31 = 5.14 k Ω 0x32 = 5.52 k Ω 0x33 = 5.07 k Ω 0x34 = 5.61 k Ω 0x35 = 5.08 k Ω 0x36 = 5.23 k Ω 0x37 = 5.04 k Ω 0x38 = 5.72 k Ω 0x39 = 5.94 k Ω 0x3A = 6.32 k Ω 0x3B = 5.87 k Ω 0x3C = 6.41 k Ω

表 1-407. R711 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 5.88 k Ω 0x3E = 6.03 k Ω 0x3F = 5.84 k Ω

1.406 R712 Register (Offset = 0x2C8) [Reset = 0xFF]Return to the [Summary Table](#).

表 1-408. R712 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	PLL1_DISABLE_3RD4TH	R/W	0x3	PLL Loop Filter Disconnects C3 and C4 ROM=Y, EEPROM=N 0x0 = C3/C4 Disconnected 0x1 = C3=Enabled, C4=Disconnected 0x2 = C3=Disconnected, C4=Enabled 0x3 = C3=Enabled, C4=Enabled
5:3	PLL1_LF_C3	R/W	0x7	PLL Loop Filter C3 setting ROM=Y, EEPROM=N 0x0 = 0 pF 0x1 = 10 pF 0x2 = 20 pF 0x3 = 30 pF 0x4 = 40 pF 0x5 = 50 pF 0x6 = 60 pF 0x7 = 70 pF
2:0	PLL1_LF_C4	R/W	0x7	PLL Loop Filter C4 setting ROM=Y, EEPROM=N 0x0 = 0 pF 0x1 = 10 pF 0x2 = 20 pF 0x3 = 30 pF 0x4 = 40 pF 0x5 = 50 pF 0x6 = 60 pF 0x7 = 70 pF

1.407 R713 Register (Offset = 0x2C9) [Reset = 0x00]Return to the [Summary Table](#).

表 1-409. R713 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	PLL1_RDIV_8:8	R/W	0x0	See Register 714

1.408 R714 Register (Offset = 0x2CA) [Reset = 0x0A]Return to the [Summary Table](#).

表 1-410. R714 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_RDIV	R/W	0xA	PLL R Divider ROM=Y, EEPROM=Y

1.409 R715 Register (Offset = 0x2CB) [Reset = 0x02]

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表 1-411. R715 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	PLL1_RDIV_XO_EN	R/W	0x0	APLL reference source is from XO. Must also enable XO to drive this APLL with XO_OUT_BUF_EN[1] = 1 ROM=Y, EEPROM=Y
3	PLL1_RDIV_XO_DBLR_EN	R/W	0x0	Enables XO Doubler ROM=Y, EEPROM=Y
2	PLL1_RDIV_BYPASS_EN	R/W	0x0	Bypass R Divider ROM=Y, EEPROM=Y
1:0	PLL1_RDIV_MUX_SEL	R/W	0x2	Select R Divider input. When enabling reference from feedback divider, the APLL PLLx_VCO_BUF_2REF_EN bit must also be set appropriately. ROM=Y, EEPROM=Y 0x0 = XO 0x1 = VCO2 feedback divider 0x2 = VCO3 feedback divider

1.410 R716 Register (Offset = 0x2CC) [Reset = 0x00]

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表 1-412. R716 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	PLL1_NDIV_8:8	R/W	0x0	See Register 717

1.411 R717 Register (Offset = 0x2CD) [Reset = 0x32]

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表 1-413. R717 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NDIV	R/W	0x32	PLL N Divider ROM=Y, EEPROM=Y

1.412 R718 Register (Offset = 0x2CE) [Reset = 0x61]

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表 1-414. R718 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NUM_MSB	R/W	0x61	When PLL1_MODE is set for 24 bit fractional. PLL1_NUM_MSB is effective PLL1_NUM[23:16]. Other PLL1_NUM and PLL1_DEN bits in programmable mode are in PLL1_NUM field. When in 40-bit fixed denominator PLL mode, then PLL1_NUM_MSB is unused. ROM=Y, EEPROM=Y

1.413 R719 Register (Offset = 0x2CF) [Reset = 0x86]

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表 1-415. R719 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NUM_39:32	R/W	0x86	See Register 723

1.414 R720 Register (Offset = 0x2D0) [Reset = 0x4E]Return to the [Summary Table](#).

表 1-416. R720 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NUM_31:24	R/W	0x4E	See Register 723

1.415 R721 Register (Offset = 0x2D1) [Reset = 0x80]Return to the [Summary Table](#).

表 1-417. R721 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NUM_23:16	R/W	0x80	See Register 723

1.416 R722 Register (Offset = 0x2D2) [Reset = 0x07]Return to the [Summary Table](#).

表 1-418. R722 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NUM_15:8	R/W	0x7	See Register 723

1.417 R723 Register (Offset = 0x2D3) [Reset = 0xE1]Return to the [Summary Table](#).

表 1-419. R723 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL1_NUM	R/W	0xE1	When PLL1_MODE = 1 (40-bit fixed denominator) mode then PLL1_NUM contains the APLL1 numerator. When PLL1_MODE = 0 (24-bit programmable denominator) then PLL1_NUM[23:0] stores the programmable PLL1 denominator and PLL1_NUM[39:24] stores the 16 LSBs of the PLL1 numerator. Total PLL1 numerator is calculated with PLL1_NUM_MSB as the 8 MSBs. In 24-bit programmable denominator mode PLL1_NUM[23:0] = 0 is 2 ²⁴ . ROM=Y, EEPROM=Y

1.418 R724 Register (Offset = 0x2D4) [Reset = 0x36]Return to the [Summary Table](#).

表 1-420. R724 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5:4	PLL1_DTHRMODE	R/W	0x3	PLL MASH Dither Mode ROM=Y, EEPROM=N 0x0 = Constant Dither MACC2 0x1 = Constant Dither MACC2 and MACC3 0x2 = LFSR Dither MACC2 0x3 = Dither Disabled

表 1-420. R724 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:1	PLL1_ORDER	R/W	0x3	PLL MASH Order ROM=Y, EEPROM=N 0x0 = Integer Mode Divider 0x1 = 1st 0x2 = 2nd 0x3 = 3rd
0	PLL1_MODE	R/W	0x0	In APLL 24-bit num/den mode, APLL denominator is programmable. Recommended not for use with DPLL mode. In 24-bit mode, the denominator is stored in PLL1_NUM[23:0] The numerator is stored in (PLL1_NUM_MSB << 16) + PLL1_NUM[39:24]. In APLL 40-bit mode, APLL denominator is fixed. For use with DPLL. ROM=Y, EEPROM=Y 0x0 = APLL 24-bit num/den 0x1 = APLL 40-bit num (Req for DPLL)

1.419 R725 Register (Offset = 0x2D5) [Reset = 0x00]

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表 1-421. R725 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL1_NUM_STAT_39:32	R	0x0	See Register 729

1.420 R726 Register (Offset = 0x2D6) [Reset = 0x00]

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表 1-422. R726 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL1_NUM_STAT_31:24	R	0x0	See Register 729

1.421 R727 Register (Offset = 0x2D7) [Reset = 0x00]

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表 1-423. R727 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL1_NUM_STAT_23:16	R	0x0	See Register 729

1.422 R728 Register (Offset = 0x2D8) [Reset = 0x00]

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表 1-424. R728 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL1_NUM_STAT_15:8	R	0x0	See Register 729

1.423 R729 Register (Offset = 0x2D9) [Reset = 0x00]

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表 1-425. R729 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL1_NUM_STAT	R	0x0	Readback current effective APLL1 Numerator after FDEV and/or DPLL correction ROM=N, EEPROM=N

1.424 R731 Register (Offset = 0x2DB) [Reset = 0xCA]

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表 1-426. R731 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	PLL1_PRI_DIV_SYNC_EN	R/W	0x1	PLL1 P1 Divider Sync Enable. Enables synchronization of PLL1 P1 post-divider. ROM=Y, EEPROM=N
6	PLL1_PRI_DIV_EN	R/W	0x1	Enables the VCO1 P1 divider ROM=Y, EEPROM=Y
5:3	PLL1_PRI_DIV	R/W	0x1	Sets the VCO post-divider VCO1 P1 from 2 to 7. ROM=Y, EEPROM=Y 0x0 = 2 (Reserved) 0x1 = 2 0x2 = 3 0x3 = 4 0x4 = 5 0x5 = 6 0x6 = 7
2:0	PLL1_PRI_DIV_DRVR_EN	R/W	0x2	Enables VCO1 P1 divider output driver to channel output banks: [Bit 0] -> OUT0_1 [Bit 1] -> OUT2_3 [Bit 2] -> OUT14_15 ROM=Y, EEPROM=Y

1.425 R732 Register (Offset = 0x2DC) [Reset = 0xA0]

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表 1-427. R732 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	PLL1_SEC_DIV_SYNC_EN	R/W	0x1	PLL1 P2 Divider Sync Enable. Enables synchronization of PLL1 P2 post-divider. ROM=Y, EEPROM=N
6	PLL1_SEC_DIV_EN	R/W	0x0	Enables the VCO1 P2 divider ROM=Y, EEPROM=Y
5:3	PLL1_SEC_DIV	R/W	0x4	Sets the VCO post-divider VCO1 P2 from 2 to 7. ROM=Y, EEPROM=Y 0x0 = 2 (Reserved) 0x1 = 2 0x2 = 3 0x3 = 4 0x4 = 5 0x5 = 6 0x6 = 7
2:0	PLL1_SEC_DIV_DRVR_EN	R/W	0x0	Enables the VCO1 P2 divider output driver to channel output banks: [Bit 0] -> OUT0_1 [Bit 1] -> Reserved [Bit 2] -> Reserved ROM=Y, EEPROM=Y

1.426 R733 Register (Offset = 0x2DD) [Reset = 0x08]

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表 1-428. R733 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	PLL1_VCO_BUF_EN	R/W	0x0	Enables the VCO1 Buffer which drives the DPLL feedback, reference window detector, DPLL reference for cascade mode, and test mode ROM=Y, EEPROM=N
6:5	PLL1_VCO_BUF_2REF_EN	R/W	0x0	Enables the APLL1 Div-by-4 cascade divider to APLL2/3 reference input for cascade mode. [0] -> APLL2, [1] -> APLL3 ROM=Y, EEPROM=Y
4	PLL1_VCO_BUF_2DPLL_EN	R/W	0x0	Enables the VCO1 Buffer output driver to DPLL feedback divider ROM=Y, EEPROM=N
3	RESERVED	R/W	0x1	Reserved
2	PLL1_VCO_BUF_PPM_CHECK_EN	R/W	0x0	Enables the APLL1 Div-by-4/8 cascade divider to DPLL/PPM frequency detector ROM=Y, EEPROM=N
1:0	PLL1_VCO_BUF_FB_TDC_C_EN	R/W	0x0	Enables APLL1 Div-by-8 cascade divider to TDC2 and TDC3 for cascade mode [0] = TDC2 driver enable [1] = TDC3 driver enable ROM=Y, EEPROM=N

1.427 R736 Register (Offset = 0x2E0) [Reset = 0x00]

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表 1-429. R736 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R/W	0x0	Reserved
3	PLL1_RDIV_TEST_EN	R/W	0x0	If GPIOx_SEL selects PLL1 R/2 as an output. Then this bit must be set along with STATUS_MUX_DIV2_EN=1. ROM=N, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.428 R741 Register (Offset = 0x2E5) [Reset = 0x00]

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表 1-430. R741 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	PLL1_VM_INSIDE	R	0x0	Denotes if the VCO tuning voltage is within operational range. ROM=N, EEPROM=N
4	PLL1_VM_HI	R	0x0	Denotes if the charge pump voltage is too high and outside range. If PLL1_VM_INSIDE = 0 and VM_HI = 0, then charge pump voltage is too low. ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.429 R745 Register (Offset = 0x2E9) [Reset = 0x00]

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表 1-431. R745 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R/W	0x0	Reserved

表 1-431. R745 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5	PLL1_NDIV_TEST_EN	R/W	0x0	If GPIOx_SEL selects PLL1 N/2 as an output. Then this bit must be set along with STATUS_MUX_DIV2_EN=1. ROM=N, EEPROM=N
4:0	RESERVED	R/W	0x0	Reserved

1.430 R746 Register (Offset = 0x2EA) [Reset = 0x01]Return to the [Summary Table](#).

表 1-432. R746 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:3	RESERVED	R	0x0	Reserved
2:1	RESERVED	R/W	0x0	Reserved
0	PLL1_VCO_PREBUF_EN	R/W	0x1	Set to same value as APLL1_EN. ROM=Y, EEPROM=Y

1.431 R773 Register (Offset = 0x305) [Reset = 0x06]Return to the [Summary Table](#).

表 1-433. R773 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	RESERVED	R/W	0x6	Reserved

1.432 R777 Register (Offset = 0x309) [Reset = 0x22]Return to the [Summary Table](#).

表 1-434. R777 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_CP_PU_R	R/W	0x22	PLL charge pump pull-up resistor selection ROM=Y, EEPROM=N 0x0 = Disabled 0x1 = 78 k Ω 0x2 = 39 k Ω 0x3 = 26 k Ω 0x4 = 20 k Ω 0x5 = 15.9 k Ω 0x6 = 13.2 k Ω 0x7 = 11.3 k Ω 0x8 = 9.8 k Ω 0x9 = 8.71 k Ω 0xA = 7.83 k Ω 0xB = 7.12 k Ω 0xC = 6.58 k Ω 0xD = 6.07 k Ω 0xE = 5.63 k Ω 0xF = 5.25 k Ω 0x10 = 4.9 k Ω 0x11 = 4.61 k Ω 0x12 = 4.35 k Ω 0x13 = 4.12 k Ω 0x14 = 3.94 k Ω 0x15 = 3.75 k Ω 0x16 = 3.57 k Ω 0x17 = 3.42 k Ω 0x18 = 3.27 k Ω 0x19 = 3.14 k Ω 0x1A = 3.01 k Ω 0x1B = 2.9 k Ω 0x1C = 2.81 k Ω 0x1D = 2.71 k Ω 0x1E = 2.62 k Ω 0x1F = 2.53 k Ω 0x20 = 2.4 k Ω 0x21 = 2.33 k Ω 0x22 = 2.26 k Ω 0x23 = 2.2 k Ω 0x24 = 2.14 k Ω 0x25 = 2.09 k Ω 0x26 = 2.03 k Ω 0x27 = 1.98 k Ω 0x28 = 1.93 k Ω 0x29 = 1.88 k Ω 0x2A = 1.84 k Ω 0x2B = 1.79 k Ω 0x2C = 1.76 k Ω 0x2D = 1.72 k Ω 0x2E = 1.68 k Ω 0x2F = 1.65 k Ω 0x30 = 1.61 k Ω 0x31 = 1.58 k Ω 0x32 = 1.55 k Ω 0x33 = 1.52 k Ω 0x34 = 1.49 k Ω 0x35 = 1.46 k Ω 0x36 = 1.44 k Ω 0x37 = 1.41 k Ω 0x38 = 1.38 k Ω 0x39 = 1.36 k Ω 0x3A = 1.34 k Ω 0x3B = 1.31 k Ω 0x3C = 1.29 k Ω

表 1-434. R777 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 1.27 k Ω
				0x3E = 1.25 k Ω
				0x3F = 1.23 k Ω
				0x40 = 1.2 k Ω
				0x41 = 1.18 k Ω
				0x42 = 1.16 k Ω
				0x43 = 1.15 k Ω
				0x44 = 1.13 k Ω
				0x45 = 1.12 k Ω
				0x46 = 1.1 k Ω
				0x47 = 1.08 k Ω
				0x48 = 1.07 k Ω
				0x49 = 1.05 k Ω
				0x4A = 1.04 k Ω
				0x4B = 1.03 k Ω
				0x4C = 1.01 k Ω
				0x4D = 1 k Ω
				0x4E = 0.989 k Ω
				0x4F = 0.977 k Ω
				0x50 = 0.964 k Ω
				0x51 = 0.952 k Ω
				0x52 = 0.941 k Ω
				0x53 = 0.929 k Ω
				0x54 = 0.92 k Ω
				0x55 = 0.909 k Ω
				0x56 = 0.898 k Ω
				0x57 = 0.888 k Ω
				0x58 = 0.878 k Ω
				0x59 = 0.868 k Ω
				0x5A = 0.858 k Ω
				0x5B = 0.849 k Ω
				0x5C = 0.841 k Ω
				0x5D = 0.832 k Ω
				0x5E = 0.823 k Ω
				0x5F = 0.814 k Ω
				0x60 = 0.8 k Ω
				0x61 = 0.792 k Ω
				0x62 = 0.784 k Ω
				0x63 = 0.776 k Ω
				0x64 = 0.769 k Ω
				0x65 = 0.762 k Ω
				0x66 = 0.754 k Ω
				0x67 = 0.747 k Ω
				0x68 = 0.74 k Ω
				0x69 = 0.733 k Ω
				0x6A = 0.726 k Ω
				0x6B = 0.719 k Ω
				0x6C = 0.713 k Ω
				0x6D = 0.707 k Ω
				0x6E = 0.7 k Ω
				0x6F = 0.694 k Ω
				0x70 = 0.688 k Ω
				0x71 = 0.682 k Ω
				0x72 = 0.676 k Ω
				0x73 = 0.67 k Ω
				0x74 = 0.665 k Ω
				0x75 = 0.659 k Ω
				0x76 = 0.654 k Ω
				0x77 = 0.648 k Ω
				0x78 = 0.643 k Ω
				0x79 = 0.637 k Ω
				0x7A = 0.632 k Ω

表 1-434. R777 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x7B = 0.627 k Ω
				0x7C = 0.623 k Ω
				0x7D = 0.618 k Ω
				0x7E = 0.613 k Ω
				0x7F = 0.608 k Ω
				0x80 = 0.6 k Ω
				0x81 = 0.595 k Ω
				0x82 = 0.591 k Ω
				0x83 = 0.586 k Ω
				0x84 = 0.583 k Ω
				0x85 = 0.578 k Ω
				0x86 = 0.574 k Ω
				0x87 = 0.57 k Ω
				0x88 = 0.565 k Ω
				0x89 = 0.561 k Ω
				0x8A = 0.557 k Ω
				0x8B = 0.553 k Ω
				0x8C = 0.55 k Ω
				0x8D = 0.546 k Ω
				0x8E = 0.542 k Ω
				0x8F = 0.538 k Ω
				0x90 = 0.535 k Ω
				0x91 = 0.531 k Ω
				0x92 = 0.527 k Ω
				0x93 = 0.524 k Ω
				0x94 = 0.521 k Ω
				0x95 = 0.517 k Ω
				0x96 = 0.514 k Ω
				0x97 = 0.51 k Ω
				0x98 = 0.507 k Ω
				0x99 = 0.504 k Ω
				0x9A = 0.5 k Ω
				0x9B = 0.497 k Ω
				0x9C = 0.494 k Ω
				0x9D = 0.491 k Ω
				0x9E = 0.488 k Ω
				0x9F = 0.485 k Ω
				0xA0 = 0.48 k Ω
				0xA1 = 0.477 k Ω
				0xA2 = 0.474 k Ω
				0xA3 = 0.471 k Ω
				0xA4 = 0.469 k Ω
				0xA5 = 0.466 k Ω
				0xA6 = 0.463 k Ω
				0xA7 = 0.46 k Ω
				0xA8 = 0.458 k Ω
				0xA9 = 0.455 k Ω
				0xAA = 0.452 k Ω
				0xAB = 0.45 k Ω
				0xAC = 0.447 k Ω
				0xAD = 0.445 k Ω
				0xAE = 0.442 k Ω
				0xAF = 0.44 k Ω
				0xB0 = 0.437 k Ω
				0xB1 = 0.435 k Ω
				0xB2 = 0.432 k Ω
				0xB3 = 0.43 k Ω
				0xB4 = 0.428 k Ω
				0xB5 = 0.425 k Ω
				0xB6 = 0.423 k Ω
				0xB7 = 0.421 k Ω
				0xB8 = 0.419 k Ω

表 1-434. R777 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0xB9 = 0.416 k Ω
				0xBA = 0.414 k Ω
				0xBB = 0.412 k Ω
				0xBC = 0.41 k Ω
				0xBD = 0.408 k Ω
				0xBE = 0.406 k Ω
				0xBF = 0.404 k Ω
				0xC0 = 0.4 k Ω
				0xC1 = 0.398 k Ω
				0xC2 = 0.396 k Ω
				0xC3 = 0.394 k Ω
				0xC4 = 0.392 k Ω
				0xC5 = 0.39 k Ω
				0xC6 = 0.388 k Ω
				0xC7 = 0.386 k Ω
				0xC8 = 0.384 k Ω
				0xC9 = 0.382 k Ω
				0xCA = 0.381 k Ω
				0xCB = 0.379 k Ω
				0xCC = 0.377 k Ω
				0xCD = 0.375 k Ω
				0xCE = 0.373 k Ω
				0xCF = 0.372 k Ω
				0xD0 = 0.37 k Ω
				0xD1 = 0.368 k Ω
				0xD2 = 0.366 k Ω
				0xD3 = 0.365 k Ω
				0xD4 = 0.363 k Ω
				0xD5 = 0.361 k Ω
				0xD6 = 0.36 k Ω
				0xD7 = 0.358 k Ω
				0xD8 = 0.356 k Ω
				0xD9 = 0.355 k Ω
				0xDA = 0.353 k Ω
				0xDB = 0.352 k Ω
				0xDC = 0.35 k Ω
				0xDD = 0.349 k Ω
				0xDE = 0.347 k Ω
				0xDF = 0.345 k Ω
				0xE0 = 0.343 k Ω
				0xE1 = 0.341 k Ω
				0xE2 = 0.34 k Ω
				0xE3 = 0.338 k Ω
				0xE4 = 0.337 k Ω
				0xE5 = 0.336 k Ω
				0xE6 = 0.334 k Ω
				0xE7 = 0.333 k Ω
				0xE8 = 0.331 k Ω
				0xE9 = 0.33 k Ω
				0xEA = 0.328 k Ω
				0xEB = 0.327 k Ω
				0xEC = 0.326 k Ω
				0xED = 0.325 k Ω
				0xEE = 0.323 k Ω
				0xEF = 0.322 k Ω
				0xF0 = 0.32 k Ω
				0xF1 = 0.319 k Ω
				0xF2 = 0.318 k Ω
				0xF3 = 0.317 k Ω
				0xF4 = 0.315 k Ω
				0xF5 = 0.314 k Ω
				0xF6 = 0.313 k Ω

表 1-434. R777 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0xF7 = 0.312 k Ω 0xF8 = 0.31 k Ω 0xF9 = 0.309 k Ω 0xFA = 0.308 k Ω 0xFB = 0.307 k Ω 0xFC = 0.306 k Ω 0xFD = 0.304 k Ω 0xFE = 0.303 k Ω 0xFF = 0.302 k Ω

1.433 R778 Register (Offset = 0x30A) [Reset = 0x09]

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表 1-435. R778 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	PLL2_CP_PU_DIS	R/W	0x0	PLL charge pump - pump up disable ROM=Y, EEPROM=N
3:0	PLL2_CPG	R/W	0x9	PLL charge pump gain ROM=Y, EEPROM=Y 0x0 = 0 mA 0x1 = 0.4 mA 0x2 = 0.8 mA 0x3 = 1.2 mA 0x4 = 1.6 mA 0x5 = 2.0 mA 0x6 = 2.4 mA 0x7 = 2.8 mA 0x8 = 3.0 mA 0x9 = 3.4 mA 0xA = 3.8 mA 0xB = 4.2 mA 0xC = 4.6 mA 0xD = 5.0 mA 0xE = 5.4 mA 0xF = 5.8 mA

1.434 R779 Register (Offset = 0x30B) [Reset = 0x07]

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表 1-436. R779 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_LF_R2	R/W	0x7	PLL Loop Filter R2 setting ROM=Y, EEPROM=N 0x0 = 0.016 k Ω 0x1 = 0.301 k Ω 0x2 = 0.551 k Ω 0x3 = 0.209 k Ω 0x4 = 1.05 k Ω 0x5 = 0.244 k Ω 0x6 = 0.375 k Ω 0x7 = 0.183 k Ω 0x8 = 2.05 k Ω 0x9 = 0.269 k Ω 0xA = 0.444 k Ω 0xB = 0.194 k Ω 0xC = 0.709 k Ω 0xD = 0.224 k Ω 0xE = 0.0446 k Ω 0xF = 0.0421 k Ω 0x10 = 0.932 k Ω 0x11 = 1.18 k Ω 0x12 = 1.43 k Ω 0x13 = 1.09 k Ω 0x14 = 1.93 k Ω 0x15 = 1.13 k Ω 0x16 = 1.26 k Ω 0x17 = 1.07 k Ω 0x18 = 2.93 k Ω 0x19 = 1.15 k Ω 0x1A = 1.33 k Ω 0x1B = 1.08 k Ω 0x1C = 1.59 k Ω 0x1D = 1.11 k Ω 0x1E = 0.929 k Ω 0x1F = 0.926 k Ω 0x20 = 1.83 k Ω 0x21 = 2.08 k Ω 0x22 = 2.33 k Ω 0x23 = 1.99 k Ω 0x24 = 2.83 k Ω 0x25 = 2.03 k Ω 0x26 = 2.16 k Ω 0x27 = 1.97 k Ω 0x28 = 3.83 k Ω 0x29 = 2.05 k Ω 0x2A = 2.23 k Ω 0x2B = 1.98 k Ω 0x2C = 2.49 k Ω 0x2D = 2.01 k Ω 0x2E = 1.83 k Ω 0x2F = 1.83 k Ω 0x30 = 2.72 k Ω 0x31 = 2.97 k Ω 0x32 = 3.22 k Ω 0x33 = 2.88 k Ω 0x34 = 3.72 k Ω 0x35 = 2.91 k Ω 0x36 = 3.04 k Ω 0x37 = 2.85 k Ω 0x38 = 4.72 k Ω 0x39 = 2.94 k Ω 0x3A = 3.11 k Ω 0x3B = 2.86 k Ω 0x3C = 3.38 k Ω

表 1-436. R779 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 2.89 k Ω 0x3E = 2.71 k Ω 0x3F = 2.71 k Ω

1.435 R780 Register (Offset = 0x30C) [Reset = 0x02]

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表 1-437. R780 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-437. R780 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL2_LF_R3	R/W	0x2	PLL Loop Filter R3 setting ROM=Y, EEPROM=N 0x0 = 0.016 k Ω 0x1 = 0.277 k Ω 0x2 = 0.657 k Ω 0x3 = 0.214 k Ω 0x4 = 0.754 k Ω 0x5 = 0.221 k Ω 0x6 = 0.375 k Ω 0x7 = 0.183 k Ω 0x8 = 0.863 k Ω 0x9 = 1.08 k Ω 0xA = 1.46 k Ω 0xB = 1.01 k Ω 0xC = 1.55 k Ω 0xD = 1.02 k Ω 0xE = 1.17 k Ω 0xF = 0.982 k Ω 0x10 = 1.68 k Ω 0x11 = 1.89 k Ω 0x12 = 2.27 k Ω 0x13 = 1.83 k Ω 0x14 = 2.37 k Ω 0x15 = 1.84 k Ω 0x16 = 1.99 k Ω 0x17 = 1.8 k Ω 0x18 = 2.48 k Ω 0x19 = 2.69 k Ω 0x1A = 3.07 k Ω 0x1B = 2.63 k Ω 0x1C = 3.17 k Ω 0x1D = 2.63 k Ω 0x1E = 2.79 k Ω 0x1F = 2.6 k Ω 0x20 = 3.31 k Ω 0x21 = 3.52 k Ω 0x22 = 3.9 k Ω 0x23 = 3.46 k Ω 0x24 = 4 k Ω 0x25 = 3.47 k Ω 0x26 = 3.62 k Ω 0x27 = 3.43 k Ω 0x28 = 4.11 k Ω 0x29 = 4.32 k Ω 0x2A = 4.7 k Ω 0x2B = 4.26 k Ω 0x2C = 4.8 k Ω 0x2D = 4.26 k Ω 0x2E = 4.42 k Ω 0x2F = 4.23 k Ω 0x30 = 4.92 k Ω 0x31 = 5.14 k Ω 0x32 = 5.52 k Ω 0x33 = 5.07 k Ω 0x34 = 5.61 k Ω 0x35 = 5.08 k Ω 0x36 = 5.23 k Ω 0x37 = 5.04 k Ω 0x38 = 5.72 k Ω 0x39 = 5.94 k Ω 0x3A = 6.32 k Ω 0x3B = 5.87 k Ω 0x3C = 6.41 k Ω

表 1-437. R780 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 5.88 k Ω 0x3E = 6.03 k Ω 0x3F = 5.84 k Ω

1.436 R781 Register (Offset = 0x30D) [Reset = 0x02]

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表 1-438. R781 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-438. R781 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL2_LF_R4	R/W	0x2	PLL Loop Filter R4 setting ROM=Y, EEPROM=N 0x0 = 0.016 k Ω 0x1 = 0.277 k Ω 0x2 = 0.657 k Ω 0x3 = 0.214 k Ω 0x4 = 0.754 k Ω 0x5 = 0.221 k Ω 0x6 = 0.375 k Ω 0x7 = 0.183 k Ω 0x8 = 0.863 k Ω 0x9 = 1.08 k Ω 0xA = 1.46 k Ω 0xB = 1.01 k Ω 0xC = 1.55 k Ω 0xD = 1.02 k Ω 0xE = 1.17 k Ω 0xF = 0.982 k Ω 0x10 = 1.68 k Ω 0x11 = 1.89 k Ω 0x12 = 2.27 k Ω 0x13 = 1.83 k Ω 0x14 = 2.37 k Ω 0x15 = 1.84 k Ω 0x16 = 1.99 k Ω 0x17 = 1.8 k Ω 0x18 = 2.48 k Ω 0x19 = 2.69 k Ω 0x1A = 3.07 k Ω 0x1B = 2.63 k Ω 0x1C = 3.17 k Ω 0x1D = 2.63 k Ω 0x1E = 2.79 k Ω 0x1F = 2.6 k Ω 0x20 = 3.31 k Ω 0x21 = 3.52 k Ω 0x22 = 3.9 k Ω 0x23 = 3.46 k Ω 0x24 = 4 k Ω 0x25 = 3.47 k Ω 0x26 = 3.62 k Ω 0x27 = 3.43 k Ω 0x28 = 4.11 k Ω 0x29 = 4.32 k Ω 0x2A = 4.7 k Ω 0x2B = 4.26 k Ω 0x2C = 4.8 k Ω 0x2D = 4.26 k Ω 0x2E = 4.42 k Ω 0x2F = 4.23 k Ω 0x30 = 4.92 k Ω 0x31 = 5.14 k Ω 0x32 = 5.52 k Ω 0x33 = 5.07 k Ω 0x34 = 5.61 k Ω 0x35 = 5.08 k Ω 0x36 = 5.23 k Ω 0x37 = 5.04 k Ω 0x38 = 5.72 k Ω 0x39 = 5.94 k Ω 0x3A = 6.32 k Ω 0x3B = 5.87 k Ω 0x3C = 6.41 k Ω

表 1-438. R781 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 5.88 k Ω 0x3E = 6.03 k Ω 0x3F = 5.84 k Ω

1.437 R782 Register (Offset = 0x30E) [Reset = 0xFF]

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表 1-439. R782 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	PLL2_DISABLE_3RD4TH	R/W	0x3	PLL Loop Filter Disconnects C3 and C4 ROM=Y, EEPROM=N 0x0 = C3/C4 Disconnected 0x1 = C3=Enabled, C4=Disconnected 0x2 = C3=Disconnected, C4=Enabled 0x3 = C3=Enabled, C4=Enabled
5:3	PLL2_LF_C3	R/W	0x7	PLL Loop Filter C3 setting ROM=Y, EEPROM=N 0x0 = 0 pF 0x1 = 10 pF 0x2 = 20 pF 0x3 = 30 pF 0x4 = 40 pF 0x5 = 50 pF 0x6 = 60 pF 0x7 = 70 pF
2:0	PLL2_LF_C4	R/W	0x7	PLL Loop Filter C4 setting ROM=Y, EEPROM=N 0x0 = 0 pF 0x1 = 10 pF 0x2 = 20 pF 0x3 = 30 pF 0x4 = 40 pF 0x5 = 50 pF 0x6 = 60 pF 0x7 = 70 pF

1.438 R783 Register (Offset = 0x30F) [Reset = 0x00]

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表 1-440. R783 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	PLL2_RDIV_8:8	R/W	0x0	See Register 784

1.439 R784 Register (Offset = 0x310) [Reset = 0x0A]

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表 1-441. R784 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_RDIV	R/W	0xA	PLL R Divider ROM=Y, EEPROM=Y

1.440 R785 Register (Offset = 0x311) [Reset = 0x02]

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表 1-442. R785 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	PLL2_RDIV_XO_EN	R/W	0x0	APLL reference source is from XO. Must also enable XO to drive this APLL with XO_OUT_BUF_EN[2] = 1 ROM=Y, EEPROM=Y
3	PLL2_RDIV_XO_DBLR_EN	R/W	0x0	Enables XO Doubler ROM=Y, EEPROM=Y
2	PLL2_RDIV_BYPASS_EN	R/W	0x0	Bypass R Divider ROM=Y, EEPROM=Y
1:0	PLL2_RDIV_MUX_SEL	R/W	0x2	Select R Divider input: 0=XO, 1=VCO1 feedback divider, 2=VCO3 feedback divider ROM=Y, EEPROM=Y 0x0 = XO 0x1 = VCO1 feedback divider 0x2 = VCO3 feedback divider

1.441 R786 Register (Offset = 0x312) [Reset = 0x00]

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表 1-443. R786 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	PLL2_NDIV_8:8	R/W	0x0	See Register 787

1.442 R787 Register (Offset = 0x313) [Reset = 0x37]

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表 1-444. R787 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NDIV	R/W	0x37	PLL N Divider ROM=Y, EEPROM=Y

1.443 R788 Register (Offset = 0x314) [Reset = 0x29]

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表 1-445. R788 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NUM_MSB	R/W	0x29	When PLL2_MODE is set for 24 bit fractional. PLL2_NUM_MSB is effective PLL2_NUM[23:16]. Other PLL2_NUM and PLL2_DEN bits in programmable mode are in PLL2_NUM field. When in 40-bit fixed denominator PLL mode, then PLL2_NUM_MSB is unused. ROM=Y, EEPROM=Y

1.444 R789 Register (Offset = 0x315) [Reset = 0xB0]

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表 1-446. R789 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NUM_39:32	R/W	0xB0	See Register 793

1.445 R790 Register (Offset = 0x316) [Reset = 0x00]

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表 1-447. R790 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NUM_31:24	R/W	0x0	See Register 793

1.446 R791 Register (Offset = 0x317) [Reset = 0x00]

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表 1-448. R791 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NUM_23:16	R/W	0x0	See Register 793

1.447 R792 Register (Offset = 0x318) [Reset = 0x00]

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表 1-449. R792 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NUM_15:8	R/W	0x0	See Register 793

1.448 R793 Register (Offset = 0x319) [Reset = 0x00]

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表 1-450. R793 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL2_NUM	R/W	0x0	When PLL2_MODE = 1 (40-bit fixed denominator) mode then PLL2_NUM contains the APLL2 numerator. When PLL2_MODE = 0 (24-bit programmable denominator) then PLL2_NUM[23:0] stores the programmable PLL2 denominator and PLL2_NUM[39:24] stores the 16 LSBs of the PLL2 numerator. Total PLL2 numerator is calculated with PLL2_NUM_MSB as the 8 MSBs. In 24-bit programmable denominator mode PLL2_NUM[23:0] = 0 is 2 ²⁴ . ROM=Y, EEPROM=Y

1.449 R794 Register (Offset = 0x31A) [Reset = 0x07]

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表 1-451. R794 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5:4	PLL2_DTHRMODE	R/W	0x0	PLL MASH Dither Mode ROM=Y, EEPROM=N 0x0 = Constant Dither MACC2 0x1 = Constant Dither MACC2 and MACC3 0x2 = LFSR Dither MACC2 0x3 = Dither Disabled

表 1-451. R794 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:1	PLL2_ORDER	R/W	0x3	PLL MASH Order ROM=Y, EEPROM=N 0x0 = Integer Mode Divider 0x1 = 1st 0x2 = 2nd 0x3 = 3rd
0	PLL2_MODE	R/W	0x1	In APLL 24-bit num/den mode, APLL denominator is programmable. Not for use with DPLL mode. In 24-bit mode, the denominator is stored in PLL2_NUM[23:0] The numerator is stored in (PLL2_NUM_MSB << 16) + PLL2_NUM[39:24]. In APLL 40-bit mode, APLL denominator is fixed. For use with DPLL. ROM=Y, EEPROM=Y 0x0 = APLL 24-bit num/den 0x1 = APLL 40-bit num (Req for DPLL)

1.450 R795 Register (Offset = 0x31B) [Reset = 0x00]Return to the [Summary Table](#).

表 1-452. R795 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL2_NUM_STAT_39:32	R	0x0	See Register 799

1.451 R796 Register (Offset = 0x31C) [Reset = 0x00]Return to the [Summary Table](#).

表 1-453. R796 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL2_NUM_STAT_31:24	R	0x0	See Register 799

1.452 R797 Register (Offset = 0x31D) [Reset = 0x00]Return to the [Summary Table](#).

表 1-454. R797 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL2_NUM_STAT_23:16	R	0x0	See Register 799

1.453 R798 Register (Offset = 0x31E) [Reset = 0x00]Return to the [Summary Table](#).

表 1-455. R798 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL2_NUM_STAT_15:8	R	0x0	See Register 799

1.454 R799 Register (Offset = 0x31F) [Reset = 0x00]Return to the [Summary Table](#).

表 1-456. R799 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL2_NUM_STAT	R	0x0	Readback current effective APLL2 Numerator after FDEV and/or DPLL correction ROM=N, EEPROM=N

1.455 R803 Register (Offset = 0x323) [Reset = 0x40]

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表 1-457. R803 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:5	RESERVED	R/W	0x2	Reserved
4	PLL2_VCO_BUF_EN	R/W	0x0	Enables the VCO2 Buffer which drives the DPLL feedback, reference window detector, DPLL reference for cascade mode, and test mode ROM=Y, EEPROM=N
3:2	PLL2_VCO_BUF_2REF_EN	R/W	0x0	Enables the APLL2 Div-by-4 cascade divider to [0] -> APLL1 and [1] -> APLL3 reference input for cascade mode. ROM=Y, EEPROM=Y
1	PLL2_VCO_BUF_2DPLL_EN	R/W	0x0	Enables the VCO2 Buffer output driver to DPLL2 feedback divider ROM=Y, EEPROM=N
0	PLL2_VCO_BUF_2WNDDT_EN	R/W	0x0	Enables the APLL2 Div-by-5 cascade divider to reference window detectors input buffer and prepares pre-divided clock for DPLL2 loop filter and PPM/Frequency detector. ROM=Y, EEPROM=N

1.456 R804 Register (Offset = 0x324) [Reset = 0x3C]

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表 1-458. R804 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	PLL2_VCO_DIV_SYNC_EN	R/W	0x1	PLL2 Divider Sync Enable. Enables synchronization of post-dividers and reference dividers for PLL2. ROM=Y, EEPROM=N
4	PLL2_VCO_DIV_EN	R/W	0x1	Enables the VCO2 Div By 2 to 13 divide block. ROM=Y, EEPROM=Y
3:0	PLL2_VCO_DIV	R/W	0xC	Sets the VCO2 divider divide value from 2 to 13 ROM=Y, EEPROM=Y 0x0 = 2 (Reserved) 0x1 = 2 (Reserved) 0x2 = 2 0x3 = 3 0x4 = 4 0x5 = 5 0x6 = 6 0x7 = 7 0x8 = 8 0x9 = 9 0xA = 10 0xB = 11 0xC = 12 0xD = 13

1.457 R805 Register (Offset = 0x325) [Reset = 0x04]

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表 1-459. R805 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:5	PLL2_VCO_BUF_FB_TD C_EN	R/W	0x0	Enables APLL2 Div-by-10 cascade divider to TDC1 and TDC3 for cascade mode [0] = TDC1 driver enable [1] = TDC3 driver enable ROM=Y, EEPROM=N
4:0	PLL2_VCO_DIV_DRVR_E N	R/W	0x4	Enables VCO2 to Outputs. Output buffer outputs: [0] -> OUT0_1, [1] -> OUT2_3, [2] -> OUT4_5 and OUT6_7, [3] -> OUT8_9, OUT10_11, and OUT12_13, and [4] -> OUT14_15. ROM=Y, EEPROM=Y

1.458 R808 Register (Offset = 0x328) [Reset = 0x00]Return to the [Summary Table](#).**表 1-460. R808 Register Field Descriptions**

Bit	Field	Type	Reset	Description
7:4	RESERVED	R/W	0x0	Reserved
3	PLL2_RDIV_TEST_EN	R/W	0x0	If GPIOx_SEL selects PLL2 R/2 as an output. Then this bit must be set along with STATUS_MUX_DIV2_EN=1. ROM=N, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.459 R813 Register (Offset = 0x32D) [Reset = 0x00]Return to the [Summary Table](#).**表 1-461. R813 Register Field Descriptions**

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	PLL2_VM_INSIDE	R	0x0	Denotes if the VCO tuning voltage is within operational range. ROM=N, EEPROM=N
4	PLL2_VM_HI	R	0x0	Denotes if the charge pump voltage is too high and outside range. If PLL2_VM_INSIDE = 0 and VM_HI = 0, then charge pump voltage is too low. ROM=N, EEPROM=N
3:0	RESERVED	R	0x0	Reserved

1.460 R818 Register (Offset = 0x332) [Reset = 0x00]Return to the [Summary Table](#).**表 1-462. R818 Register Field Descriptions**

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	RESERVED	R/W	0x0	Reserved
5	PLL2_NDIV_TEST_EN	R/W	0x0	If GPIOx_SEL selects PLL2 N/2 as an output. Then this bit must be set along with STATUS_MUX_DIV2_EN=1. ROM=N, EEPROM=N
4:0	RESERVED	R/W	0x0	Reserved

1.461 R819 Register (Offset = 0x333) [Reset = 0x01]Return to the [Summary Table](#).

表 1-463. R819 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:1	RESERVED	R/W	0x0	Reserved
0	PLL2_VCO_PREBUF_EN	R/W	0x1	Set to same value as APLL2_EN. ROM=Y, EEPROM=Y

1.462 R840 Register (Offset = 0x348) [Reset = 0x22]

Return to the [Summary Table](#).

表 1-464. R840 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_CPBAW_BLEED	R/W	0x22	PLL charge pump pull-up resistor selection ROM=Y, EEPROM=N 0x0 = Disabled 0x1 = 78 k Ω 0x2 = 39 k Ω 0x3 = 26 k Ω 0x4 = 20 k Ω 0x5 = 15.9 k Ω 0x6 = 13.2 k Ω 0x7 = 11.3 k Ω 0x8 = 9.8 k Ω 0x9 = 8.71 k Ω 0xA = 7.83 k Ω 0xB = 7.12 k Ω 0xC = 6.58 k Ω 0xD = 6.07 k Ω 0xE = 5.63 k Ω 0xF = 5.25 k Ω 0x10 = 4.9 k Ω 0x11 = 4.61 k Ω 0x12 = 4.35 k Ω 0x13 = 4.12 k Ω 0x14 = 3.94 k Ω 0x15 = 3.75 k Ω 0x16 = 3.57 k Ω 0x17 = 3.42 k Ω 0x18 = 3.27 k Ω 0x19 = 3.14 k Ω 0x1A = 3.01 k Ω 0x1B = 2.9 k Ω 0x1C = 2.81 k Ω 0x1D = 2.71 k Ω 0x1E = 2.62 k Ω 0x1F = 2.53 k Ω 0x20 = 2.4 k Ω 0x21 = 2.33 k Ω 0x22 = 2.26 k Ω 0x23 = 2.2 k Ω 0x24 = 2.14 k Ω 0x25 = 2.09 k Ω 0x26 = 2.03 k Ω 0x27 = 1.98 k Ω 0x28 = 1.93 k Ω 0x29 = 1.88 k Ω 0x2A = 1.84 k Ω 0x2B = 1.79 k Ω 0x2C = 1.76 k Ω 0x2D = 1.72 k Ω 0x2E = 1.68 k Ω 0x2F = 1.65 k Ω 0x30 = 1.61 k Ω 0x31 = 1.58 k Ω 0x32 = 1.55 k Ω 0x33 = 1.52 k Ω 0x34 = 1.49 k Ω 0x35 = 1.46 k Ω 0x36 = 1.44 k Ω 0x37 = 1.41 k Ω 0x38 = 1.38 k Ω 0x39 = 1.36 k Ω 0x3A = 1.34 k Ω 0x3B = 1.31 k Ω 0x3C = 1.29 k Ω

表 1-464. R840 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 1.27 k Ω
				0x3E = 1.25 k Ω
				0x3F = 1.23 k Ω
				0x40 = 1.2 k Ω
				0x41 = 1.18 k Ω
				0x42 = 1.16 k Ω
				0x43 = 1.15 k Ω
				0x44 = 1.13 k Ω
				0x45 = 1.12 k Ω
				0x46 = 1.1 k Ω
				0x47 = 1.08 k Ω
				0x48 = 1.07 k Ω
				0x49 = 1.05 k Ω
				0x4A = 1.04 k Ω
				0x4B = 1.03 k Ω
				0x4C = 1.01 k Ω
				0x4D = 1 k Ω
				0x4E = 0.989 k Ω
				0x4F = 0.977 k Ω
				0x50 = 0.964 k Ω
				0x51 = 0.952 k Ω
				0x52 = 0.941 k Ω
				0x53 = 0.929 k Ω
				0x54 = 0.92 k Ω
				0x55 = 0.909 k Ω
				0x56 = 0.898 k Ω
				0x57 = 0.888 k Ω
				0x58 = 0.878 k Ω
				0x59 = 0.868 k Ω
				0x5A = 0.858 k Ω
				0x5B = 0.849 k Ω
				0x5C = 0.841 k Ω
				0x5D = 0.832 k Ω
				0x5E = 0.823 k Ω
				0x5F = 0.814 k Ω
				0x60 = 0.8 k Ω
				0x61 = 0.792 k Ω
				0x62 = 0.784 k Ω
				0x63 = 0.776 k Ω
				0x64 = 0.769 k Ω
				0x65 = 0.762 k Ω
				0x66 = 0.754 k Ω
				0x67 = 0.747 k Ω
				0x68 = 0.74 k Ω
				0x69 = 0.733 k Ω
				0x6A = 0.726 k Ω
				0x6B = 0.719 k Ω
				0x6C = 0.713 k Ω
				0x6D = 0.707 k Ω
				0x6E = 0.7 k Ω
				0x6F = 0.694 k Ω
				0x70 = 0.688 k Ω
				0x71 = 0.682 k Ω
				0x72 = 0.676 k Ω
				0x73 = 0.67 k Ω
				0x74 = 0.665 k Ω
				0x75 = 0.659 k Ω
				0x76 = 0.654 k Ω
				0x77 = 0.648 k Ω
				0x78 = 0.643 k Ω
				0x79 = 0.637 k Ω
				0x7A = 0.632 k Ω

表 1-464. R840 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x7B = 0.627 k Ω
				0x7C = 0.623 k Ω
				0x7D = 0.618 k Ω
				0x7E = 0.613 k Ω
				0x7F = 0.608 k Ω
				0x80 = 0.6 k Ω
				0x81 = 0.595 k Ω
				0x82 = 0.591 k Ω
				0x83 = 0.586 k Ω
				0x84 = 0.583 k Ω
				0x85 = 0.578 k Ω
				0x86 = 0.574 k Ω
				0x87 = 0.57 k Ω
				0x88 = 0.565 k Ω
				0x89 = 0.561 k Ω
				0x8A = 0.557 k Ω
				0x8B = 0.553 k Ω
				0x8C = 0.55 k Ω
				0x8D = 0.546 k Ω
				0x8E = 0.542 k Ω
				0x8F = 0.538 k Ω
				0x90 = 0.535 k Ω
				0x91 = 0.531 k Ω
				0x92 = 0.527 k Ω
				0x93 = 0.524 k Ω
				0x94 = 0.521 k Ω
				0x95 = 0.517 k Ω
				0x96 = 0.514 k Ω
				0x97 = 0.51 k Ω
				0x98 = 0.507 k Ω
				0x99 = 0.504 k Ω
				0x9A = 0.5 k Ω
				0x9B = 0.497 k Ω
				0x9C = 0.494 k Ω
				0x9D = 0.491 k Ω
				0x9E = 0.488 k Ω
				0x9F = 0.485 k Ω
				0xA0 = 0.48 k Ω
				0xA1 = 0.477 k Ω
				0xA2 = 0.474 k Ω
				0xA3 = 0.471 k Ω
				0xA4 = 0.469 k Ω
				0xA5 = 0.466 k Ω
				0xA6 = 0.463 k Ω
				0xA7 = 0.46 k Ω
				0xA8 = 0.458 k Ω
				0xA9 = 0.455 k Ω
				0xAA = 0.452 k Ω
				0xAB = 0.45 k Ω
				0xAC = 0.447 k Ω
				0xAD = 0.445 k Ω
				0xAE = 0.442 k Ω
				0xAF = 0.44 k Ω
				0xB0 = 0.437 k Ω
				0xB1 = 0.435 k Ω
				0xB2 = 0.432 k Ω
				0xB3 = 0.43 k Ω
				0xB4 = 0.428 k Ω
				0xB5 = 0.425 k Ω
				0xB6 = 0.423 k Ω
				0xB7 = 0.421 k Ω
				0xB8 = 0.419 k Ω

表 1-464. R840 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0xB9 = 0.416 k Ω
				0xBA = 0.414 k Ω
				0xBB = 0.412 k Ω
				0xBC = 0.41 k Ω
				0xBD = 0.408 k Ω
				0xBE = 0.406 k Ω
				0xBF = 0.404 k Ω
				0xC0 = 0.4 k Ω
				0xC1 = 0.398 k Ω
				0xC2 = 0.396 k Ω
				0xC3 = 0.394 k Ω
				0xC4 = 0.392 k Ω
				0xC5 = 0.39 k Ω
				0xC6 = 0.388 k Ω
				0xC7 = 0.386 k Ω
				0xC8 = 0.384 k Ω
				0xC9 = 0.382 k Ω
				0xCA = 0.381 k Ω
				0xCB = 0.379 k Ω
				0xCC = 0.377 k Ω
				0xCD = 0.375 k Ω
				0xCE = 0.373 k Ω
				0xCF = 0.372 k Ω
				0xD0 = 0.37 k Ω
				0xD1 = 0.368 k Ω
				0xD2 = 0.366 k Ω
				0xD3 = 0.365 k Ω
				0xD4 = 0.363 k Ω
				0xD5 = 0.361 k Ω
				0xD6 = 0.36 k Ω
				0xD7 = 0.358 k Ω
				0xD8 = 0.356 k Ω
				0xD9 = 0.355 k Ω
				0xDA = 0.353 k Ω
				0xDB = 0.352 k Ω
				0xDC = 0.35 k Ω
				0xDD = 0.349 k Ω
				0xDE = 0.347 k Ω
				0xDF = 0.345 k Ω
				0xE0 = 0.343 k Ω
				0xE1 = 0.341 k Ω
				0xE2 = 0.34 k Ω
				0xE3 = 0.338 k Ω
				0xE4 = 0.337 k Ω
				0xE5 = 0.336 k Ω
				0xE6 = 0.334 k Ω
				0xE7 = 0.333 k Ω
				0xE8 = 0.331 k Ω
				0xE9 = 0.33 k Ω
				0xEA = 0.328 k Ω
				0xEB = 0.327 k Ω
				0xEC = 0.326 k Ω
				0xED = 0.325 k Ω
				0xEE = 0.323 k Ω
				0xEF = 0.322 k Ω
				0xF0 = 0.32 k Ω
				0xF1 = 0.319 k Ω
				0xF2 = 0.318 k Ω
				0xF3 = 0.317 k Ω
				0xF4 = 0.315 k Ω
				0xF5 = 0.314 k Ω
				0xF6 = 0.313 k Ω

表 1-464. R840 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0xF7 = 0.312 k Ω 0xF8 = 0.31 k Ω 0xF9 = 0.309 k Ω 0xFA = 0.308 k Ω 0xFB = 0.307 k Ω 0xFC = 0.306 k Ω 0xFD = 0.304 k Ω 0xFE = 0.303 k Ω 0xFF = 0.302 k Ω

1.463 R841 Register (Offset = 0x349) [Reset = 0x15]Return to the [Summary Table](#).

表 1-465. R841 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	PLL3_CP_PU_DIS	R/W	0x1	PLL charge pump pump-up disable ROM=Y, EEPROM=N
3:0	PLL3_CPG	R/W	0x5	PLL charge pump gain ROM=Y, EEPROM=N 0x0 = 0 mA 0x1 = 0.4 mA 0x2 = 0.8 mA 0x3 = 1.2 mA 0x4 = 1.6 mA 0x5 = 2.0 mA 0x6 = 2.4 mA 0x7 = 2.8 mA 0x8 = 3.0 mA 0x9 = 3.4 mA 0xA = 3.8 mA 0xB = 4.2 mA 0xC = 4.6 mA 0xD = 5.0 mA 0xE = 5.4 mA 0xF = 5.8 mA

1.464 R842 Register (Offset = 0x34A) [Reset = 0x01]Return to the [Summary Table](#).

表 1-466. R842 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-466. R842 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL3_LF_R2	R/W	0x1	PLL Loop Filter R2 setting ROM=Y, EEPROM=N 0x0 = 0.0139 k Ω 0x1 = 0.51 k Ω 0x2 = 0.985 k Ω 0x3 = 1.39 k Ω 0x4 = 1.72 k Ω 0x5 = 2.12 k Ω 0x6 = 2.6 k Ω 0x7 = 3 k Ω 0x8 = 3.3 k Ω 0x9 = 3.75 k Ω 0xA = 4.23 k Ω 0xB = 4.63 k Ω 0xC = 4.96 k Ω 0xD = 5.36 k Ω 0xE = 5.84 k Ω 0xF = 6.24 k Ω 0x10 = 6.57 k Ω 0x11 = 7.01 k Ω 0x12 = 7.49 k Ω 0x13 = 7.89 k Ω 0x14 = 8.22 k Ω 0x15 = 8.63 k Ω 0x16 = 9.1 k Ω 0x17 = 9.5 k Ω 0x18 = 9.81 k Ω 0x19 = 10.3 k Ω 0x1A = 10.7 k Ω 0x1B = 11.1 k Ω 0x1C = 11.5 k Ω 0x1D = 11.9 k Ω 0x1E = 12.3 k Ω 0x1F = 12.7 k Ω 0x20 = 13 k Ω 0x21 = 13.5 k Ω 0x22 = 14 k Ω 0x23 = 14.4 k Ω 0x24 = 14.7 k Ω 0x25 = 15.1 k Ω 0x26 = 15.6 k Ω 0x27 = 16 k Ω 0x28 = 16.3 k Ω 0x29 = 16.7 k Ω 0x2A = 17.2 k Ω 0x2B = 17.6 k Ω 0x2C = 17.9 k Ω 0x2D = 18.3 k Ω 0x2E = 18.8 k Ω 0x2F = 19.2 k Ω 0x30 = 19.6 k Ω 0x31 = 20 k Ω 0x32 = 20.5 k Ω 0x33 = 20.9 k Ω 0x34 = 21.2 k Ω 0x35 = 21.6 k Ω 0x36 = 22.1 k Ω 0x37 = 22.5 k Ω 0x38 = 22.8 k Ω 0x39 = 23.2 k Ω 0x3A = 23.7 k Ω 0x3B = 24.1 k Ω 0x3C = 24.4 k Ω

表 1-466. R842 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 24.9 k Ω 0x3E = 25.3 k Ω 0x3F = 25.7 k Ω

1.465 R843 Register (Offset = 0x34B) [Reset = 0x0D]Return to the [Summary Table](#).

表 1-467. R843 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-467. R843 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL3_LF_R3	R/W	0xD	PLL Loop Filter R3 setting ROM=Y, EEPROM=N 0x0 = 0.0139 kΩ 0x1 = 0.51 kΩ 0x2 = 0.826 kΩ 0x3 = 1.23 kΩ 0x4 = 1.85 kΩ 0x5 = 2.26 kΩ 0x6 = 2.57 kΩ 0x7 = 2.97 kΩ 0x8 = 3.3 kΩ 0x9 = 3.75 kΩ 0xA = 4.07 kΩ 0xB = 4.47 kΩ 0xC = 5.09 kΩ 0xD = 5.5 kΩ 0xE = 5.81 kΩ 0xF = 6.22 kΩ 0x10 = 6.57 kΩ 0x11 = 7.01 kΩ 0x12 = 7.33 kΩ 0x13 = 7.73 kΩ 0x14 = 8.36 kΩ 0x15 = 8.76 kΩ 0x16 = 9.08 kΩ 0x17 = 9.48 kΩ 0x18 = 9.81 kΩ 0x19 = 10.3 kΩ 0x1A = 10.6 kΩ 0x1B = 11 kΩ 0x1C = 11.6 kΩ 0x1D = 12 kΩ 0x1E = 12.3 kΩ 0x1F = 12.7 kΩ 0x20 = 13 kΩ 0x21 = 13.5 kΩ 0x22 = 13.8 kΩ 0x23 = 14.2 kΩ 0x24 = 14.8 kΩ 0x25 = 15.2 kΩ 0x26 = 15.6 kΩ 0x27 = 16 kΩ 0x28 = 16.3 kΩ 0x29 = 16.7 kΩ 0x2A = 17.1 kΩ 0x2B = 17.5 kΩ 0x2C = 18.1 kΩ 0x2D = 18.5 kΩ 0x2E = 18.8 kΩ 0x2F = 19.2 kΩ 0x30 = 19.6 kΩ 0x31 = 20 kΩ 0x32 = 20.3 kΩ 0x33 = 20.7 kΩ 0x34 = 21.3 kΩ 0x35 = 21.7 kΩ 0x36 = 22.1 kΩ 0x37 = 22.5 kΩ 0x38 = 22.8 kΩ 0x39 = 23.2 kΩ 0x3A = 23.6 kΩ 0x3B = 24 kΩ 0x3C = 24.6 kΩ

表 1-467. R843 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 25 k Ω 0x3E = 25.3 k Ω 0x3F = 25.7 k Ω

1.466 R844 Register (Offset = 0x34C) [Reset = 0x0D]Return to the [Summary Table](#).

表 1-468. R844 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved

表 1-468. R844 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:0	PLL3_LF_R4	R/W	0xD	PLL Loop Filter R4 setting ROM=Y, EEPROM=N 0x0 = 0.0139 k Ω 0x1 = 0.51 k Ω 0x2 = 0.826 k Ω 0x3 = 1.23 k Ω 0x4 = 1.85 k Ω 0x5 = 2.26 k Ω 0x6 = 2.57 k Ω 0x7 = 2.97 k Ω 0x8 = 3.3 k Ω 0x9 = 3.75 k Ω 0xA = 4.07 k Ω 0xB = 4.47 k Ω 0xC = 5.09 k Ω 0xD = 5.5 k Ω 0xE = 5.81 k Ω 0xF = 6.22 k Ω 0x10 = 6.57 k Ω 0x11 = 7.01 k Ω 0x12 = 7.33 k Ω 0x13 = 7.73 k Ω 0x14 = 8.36 k Ω 0x15 = 8.76 k Ω 0x16 = 9.08 k Ω 0x17 = 9.48 k Ω 0x18 = 9.81 k Ω 0x19 = 10.3 k Ω 0x1A = 10.6 k Ω 0x1B = 11 k Ω 0x1C = 11.6 k Ω 0x1D = 12 k Ω 0x1E = 12.3 k Ω 0x1F = 12.7 k Ω 0x20 = 13 k Ω 0x21 = 13.5 k Ω 0x22 = 13.8 k Ω 0x23 = 14.2 k Ω 0x24 = 14.8 k Ω 0x25 = 15.2 k Ω 0x26 = 15.6 k Ω 0x27 = 16 k Ω 0x28 = 16.3 k Ω 0x29 = 16.7 k Ω 0x2A = 17.1 k Ω 0x2B = 17.5 k Ω 0x2C = 18.1 k Ω 0x2D = 18.5 k Ω 0x2E = 18.8 k Ω 0x2F = 19.2 k Ω 0x30 = 19.6 k Ω 0x31 = 20 k Ω 0x32 = 20.3 k Ω 0x33 = 20.7 k Ω 0x34 = 21.3 k Ω 0x35 = 21.7 k Ω 0x36 = 22.1 k Ω 0x37 = 22.5 k Ω 0x38 = 22.8 k Ω 0x39 = 23.2 k Ω 0x3A = 23.6 k Ω 0x3B = 24 k Ω 0x3C = 24.6 k Ω

表 1-468. R844 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
				0x3D = 25 k Ω 0x3E = 25.3 k Ω 0x3F = 25.7 k Ω

1.467 R845 Register (Offset = 0x34D) [Reset = 0xFF]Return to the [Summary Table](#).

表 1-469. R845 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x3	Reserved
5:3	PLL3_LF_C3	R/W	0x7	PLL Loop Filter C3 setting ROM=Y, EEPROM=N 0x0 = 0 pF 0x1 = 10 pF 0x2 = 20 pF 0x3 = 30 pF 0x4 = 40 pF 0x5 = 50 pF 0x6 = 60 pF 0x7 = 70 pF
2:0	PLL3_LF_C4	R/W	0x7	PLL Loop Filter C4 setting ROM=Y, EEPROM=N 0x0 = 0 pF 0x1 = 10 pF 0x2 = 20 pF 0x3 = 30 pF 0x4 = 40 pF 0x5 = 50 pF 0x6 = 60 pF 0x7 = 70 pF

1.468 R846 Register (Offset = 0x34E) [Reset = 0x00]Return to the [Summary Table](#).

表 1-470. R846 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	PLL3_RDIV_8:8	R/W	0x0	See Register 847

1.469 R847 Register (Offset = 0x34F) [Reset = 0x0A]Return to the [Summary Table](#).

表 1-471. R847 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_RDIV	R/W	0xA	PLL R Divider ROM=Y, EEPROM=Y

1.470 R848 Register (Offset = 0x350) [Reset = 0x1C]Return to the [Summary Table](#).

表 1-472. R848 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	PLL3_RDIV_XO_EN	R/W	0x1	APLL reference source is from XO. Must also enable XO to drive this APLL with XO_OUT_BUF_EN[3] = 1 ROM=Y, EEPROM=Y
3	PLL3_RDIV_XO_DBLR_EN	R/W	0x1	Enables XO Doubler ROM=Y, EEPROM=Y
2	PLL3_RDIV_BYPASS_EN	R/W	0x1	Bypass R Divider ROM=Y, EEPROM=Y
1:0	PLL3_RDIV_MUX_SEL	R/W	0x0	Select R Divider input: 0=XO, 1=VCO1 feedback divider, 2=VCO2 feedback divider ROM=Y, EEPROM=Y 0x0 = XO 0x1 = VCO1 feedback divider 0x2 = VCO2 feedback divider

1.471 R849 Register (Offset = 0x351) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-473. R849 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:1	RESERVED	R	0x0	Reserved
0	PLL3_NDIV_8:8	R/W	0x0	See Register 850

1.472 R850 Register (Offset = 0x352) [Reset = 0x1A]

Return to the [Summary Table](#).

表 1-474. R850 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NDIV	R/W	0x1A	PLL N Divider ROM=Y, EEPROM=Y

1.473 R851 Register (Offset = 0x353) [Reset = 0x4C]

Return to the [Summary Table](#).

表 1-475. R851 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NUM_MSB	R/W	0x4C	When PLL3_MODE is set for 24 bit fractional. PLL3_NUM_MSB is effective PLL3_NUM[23:16]. Other PLL3_NUM and PLL3_DEN bits in programmable mode are in PLL3_NUM field. When in 40-bit fixed denominator PLL mode, then PLL3_NUM_MSB is unused. ROM=Y, EEPROM=Y

1.474 R852 Register (Offset = 0x354) [Reset = 0x0A]

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表 1-476. R852 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NUM_39:32	R/W	0xA	See Register 856

1.475 R853 Register (Offset = 0x355) [Reset = 0xAA]

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表 1-477. R853 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NUM_31:24	R/W	0xAA	See Register 856

1.476 R854 Register (Offset = 0x356) [Reset = 0xAA]

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表 1-478. R854 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NUM_23:16	R/W	0xAA	See Register 856

1.477 R855 Register (Offset = 0x357) [Reset = 0xAA]

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表 1-479. R855 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NUM_15:8	R/W	0xAA	See Register 856

1.478 R856 Register (Offset = 0x358) [Reset = 0xAB]

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表 1-480. R856 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	PLL3_NUM	R/W	0xAB	When PLL3_MODE = 1 (40-bit fixed denominator) mode then PLL3_NUM contains the APLL3 numerator. When PLL3_MODE = 0 (24-bit programmable denominator) then PLL3_NUM[23:0] stores the programmable PLL3 denominator and PLL3_NUM[39:24] stores the 16 LSBs of the PLL3 numerator. Total PLL3 numerator is calculated with PLL3_NUM_MSB as the 8 MSBs. In 24-bit programmable denominator mode PLL3_NUM[23:0] = 0 is 2 ²⁴ . ROM=Y, EEPROM=Y

1.479 R857 Register (Offset = 0x359) [Reset = 0x05]

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表 1-481. R857 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5:4	PLL3_DTHRMODE	R/W	0x0	PLL MASH Dither Mode ROM=Y, EEPROM=N 0x0 = Constant Dither MACC2 0x1 = Constant Dither MACC2 and MACC3 0x2 = LFSR Dither MACC2 0x3 = Dither Disabled
3:1	PLL3_ORDER	R/W	0x2	PLL MASH Order ROM=Y, EEPROM=N 0x0 = Integer Mode Divider 0x1 = 1st 0x2 = 2nd 0x3 = 3rd

表 1-481. R857 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
0	PLL3_MODE	R/W	0x1	In APLL 24-bit num/den mode, APLL denominator is programmable. Recommended not for use with DPLL mode. In 24-bit mode, the denominator is stored in PLL3_NUM[23:0] The numerator is stored in (PLL3_NUM_MSB << 16) + PLL3_NUM[39:24]. In APLL 40-bit mode, APLL denominator is fixed. For use with DPLL. ROM=Y, EEPROM=Y 0x0 = APLL 24-bit num/den 0x1 = APLL 40-bit num (Req for DPLL)

1.480 R858 Register (Offset = 0x35A) [Reset = 0x00]

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表 1-482. R858 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL3_NUM_STAT_39:32	R	0x0	See Register 862

1.481 R859 Register (Offset = 0x35B) [Reset = 0x00]

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表 1-483. R859 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL3_NUM_STAT_31:24	R	0x0	See Register 862

1.482 R860 Register (Offset = 0x35C) [Reset = 0x00]

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表 1-484. R860 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL3_NUM_STAT_23:16	R	0x0	See Register 862

1.483 R861 Register (Offset = 0x35D) [Reset = 0x00]

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表 1-485. R861 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL3_NUM_STAT_15:8	R	0x0	See Register 862

1.484 R862 Register (Offset = 0x35E) [Reset = 0x00]

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表 1-486. R862 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	APLL3_NUM_STAT	R	0x0	Readback current effective APLL3 Numerator after FDEV and/or DPLL correction ROM=N, EEPROM=N

1.485 R864 Register (Offset = 0x360) [Reset = 0xF8]

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表 1-487. R864 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	PLL3_VCO_BUF_OUT_EN	R/W	0xF	Enables VCO3 to: [0] -> VCO3 Post-divider, [1] -> VCO3 Auxiliary Buffer (TDC1 Reference Clock Buffer, TDC2 Reference Clock Buffer, APLL1 Reference Clock Buffer, APLL2 Reference Clock Buffer, Window Monitor), [2] -> APLL3 N-Divider, [3] -> DPLL3 N-Divider ROM=Y, EEPROM=Y
3	PLL3_VCO_DIV_SYNC_EN	R/W	0x1	PLL3 Divider Sync Enable. Enables synchronization of post-dividers and reference dividers for PLL3. ROM=Y, EEPROM=N
2:0	PLL3_PRI_DIV	R/W	0x0	Sets the VCO3 primary divider divide value from 1 to 8 (div = field value + 1) ROM=Y, EEPROM=Y 0x0 = 1 0x1 = 2 0x2 = 3 0x3 = 4 0x4 = 5 0x5 = 6 0x6 = 7 0x7 = 8

1.486 R865 Register (Offset = 0x361) [Reset = 0xB9]

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表 1-488. R865 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x2	Reserved
7:6	PLL3_VCO_DIV_SEL	R/W	0x2	Selects APLL3 P1 post-divider block or APLL3 P1 followed by additional divide-by 2 block. ROM=Y, EEPROM=Y 0x0 = PLL3 drive off 0x1 = Reserved 0x2 = Divide-by-1-to-8 direct 0x3 = Divide-by-1-to-8 and /2
5	PLL3_VCO_CHAN_DRV_IN_EN	R/W	0x1	Enables the selected clock (div1to8 or div2) to the VCO3 to Outputs Output Buffer. See PLL3_VCO_DIV1TO8_EN and PLL3_VCO_DIV2_EN. Optimization to prevent unused domain from interacting with active domains. Always on if using PLL3. Might be on to help reduce crosstalk from APLL3. ROM=Y, EEPROM=Y
4:0	PLL3_CHAN_EN	R/W	0x19	Enables the VCO3 to Outputs output buffer outputs: [0] -> OUT0_1, [1] -> OUT2 and OUT3, [2] -> OUT4_5 and OUT6_7, [3] -> OUT8_9, OUT10_11, and OUT12_13, [4] -> OUT14 and OUT15 ROM=Y, EEPROM=Y

1.487 R866 Register (Offset = 0x362) [Reset = 0x1C]

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表 1-489. R866 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:3	PLL3_VCO_BUF_2REF_EN	R/W	0x3	Enables the APLL3 Div-by-2 cascade divider to [0] -> APLL1 and [1] -> APLL2 reference input for cascade mode. ROM=Y, EEPROM=Y

表 1-489. R866 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2	PLL3_WIN_DET_DRVR_EN	R/W	0x1	Enables the APLL3 Div-by-2 cascade divider to reference window detectors input buffer, ROM=Y, EEPROM=N
1:0	PLL3_VCO_BUF_FB_TD_C_EN	R/W	0x0	Enables APLL3 Div-by-4 cascade divider to TDC1 and TDC2 for cascade mode [0] = TDC1 driver enable [1] = TDC2 driver enable ROM=Y, EEPROM=N

1.488 R872 Register (Offset = 0x368) [Reset = 0x00]

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表 1-490. R872 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	RESERVED	R/W	0x0	Reserved
4	PLL3_NCLK_TEST_EN	R/W	0x0	If GPIOx_SEL selects PLL3 N/2 as an output. Then this bit must be set along with STATUS_MUX_DIV2_EN=1. ROM=N, EEPROM=N
3	PLL3_RDIV_TEST_EN	R/W	0x0	If GPIOx_SEL selects PLL3 R/2 as an output. Then this bit must be set along with STATUS_MUX_DIV2_EN=1. ROM=N, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.489 R961 Register (Offset = 0x3C1) [Reset = 0x40]

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表 1-491. R961 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R/W	0x0	Reserved
6	OUT_0_EN	R/W	0x1	OUT0 Enable. If CMOS on OUT0 is used, this enable must also be set. ROM=Y, EEPROM=Y
5:3	OUT_0_VCM	R/W	0x0	Controls the differential output common mode voltage for OUT0 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_0_VOD	R/W	0x0	Controls the differential output voltage swing for OUT0 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.490 R962 Register (Offset = 0x3C2) [Reset = 0x30]

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表 1-492. R962 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_0_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
6	OUT_0_STATIC_LOW	R/W	0x0	When OUT0 is forced to a static output, this bit determines if the output voltage will be 0: Static Low 1: Static High ROM=Y, EEPROM=N 0x0 = L 0x1 = H
5	OUT_0_P_CMOS_EN	R/W	0x1	OUT0P CMOS Enable. Overrides the OUT_0_VOD setting and makes OUT_0 CMOS. Setting this bit enables of the positive terminal of OUT0 for CMOS outputs. OUT_0_ENABLE must also be set. ROM=Y, EEPROM=Y
4	OUT_0_N_CMOS_EN	R/W	0x1	OUT0N CMOS Enable. Setting this bit enables of the negative terminal of OUT0 for CMOS outputs. OUT_0_ENABLE must also be set. ROM=Y, EEPROM=Y
3	OUT_0_P_INVERT_POLARITY	R/W	0x0	OUT0P CMOS Invert Polarity. Setting this bit inverts the polarity of the positive terminal of OUT0 for CMOS outputs. ROM=Y, EEPROM=N
2	OUT_0_N_INVERT_POLARITY	R/W	0x0	OUT0N CMOS Invert Polarity. Setting this bit inverts the polarity of the negative terminal of OUT0 for CMOS outputs. ROM=Y, EEPROM=N
1	OUT_0_P_FORCELOW	R/W	0x0	OUT0P CMOS Force Low. Setting this bit forces the positive terminal of OUT0 low. ROM=Y, EEPROM=N
0	OUT_0_N_FORCELOW	R/W	0x0	OUT0N CMOS Force Low. Setting this bit forces the negative terminal of OUT0 low. ROM=Y, EEPROM=N

1.491 R963 Register (Offset = 0x3C3) [Reset = 0x00]Return to the [Summary Table](#).

表 1-493. R963 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_CONFIGURATION	R/W	0x0	OUT0 configuration. Selects from CH0 Bypass, CH1 Bypass, CHDIV0, CHDIV1, CH0/2 low-noise divide by two path, SYSREF, SYSREF + Analog Delay, or static DC H/L. ROM=Y, EEPROM=Y and N 0x0 = CH0/2 0x14 = CHDIV1 0x20 = SYSREF+ADLY 0x21 = SYSREF 0x22 = Static DC 0x28 = CHDIV0 0x40 = CH1 Bypass 0x80 = CH0 Bypass

1.492 R964 Register (Offset = 0x3C4) [Reset = 0x4F]Return to the [Summary Table](#).

表 1-494. R964 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R/W	0x0	Reserved
6	OUT_1_EN	R/W	0x1	OUT1 Enable. If CMOS on OUT1 is used, this enable must also be set. ROM=Y, EEPROM=Y

表 1-494. R964 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
5:3	OUT_1_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT1 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_1_VOD	R/W	0x7	Controls the differential output voltage swing for OUT1 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.493 R965 Register (Offset = 0x3C5) [Reset = 0x00]

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表 1-495. R965 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_1_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
6	OUT_1_STATIC_LOW	R/W	0x0	When OUT1 is forced to a static output, this bit determines if the output voltage will be 0=Static Low or 1=Static High ROM=Y, EEPROM=N 0x0 = L 0x1 = H
5	OUT_1_P_CMOS_EN	R/W	0x0	OUT1P CMOS Enable. Setting this bit enables the positive terminal of OUT1 for CMOS outputs. ROM=Y, EEPROM=Y
4	OUT_1_N_CMOS_EN	R/W	0x0	OUT1N CMOS Enable. Setting this bit enables the negative terminal of OUT1 for CMOS outputs. ROM=Y, EEPROM=Y
3	OUT_1_P_INVERT_POLARITY	R/W	0x0	OUT1P CMOS Invert Polarity. Setting this bit inverts the polarity of the positive terminal of OUT1 for CMOS outputs. ROM=Y, EEPROM=N
2	OUT_1_N_INVERT_POLARITY	R/W	0x0	OUT1N CMOS Invert Polarity. Setting this bit inverts the polarity of the negative terminal of OUT1 for CMOS outputs. ROM=Y, EEPROM=N
1	OUT_1_P_FORCELOW	R/W	0x0	OUT1P CMOS Force Low. Setting this bit forces the positive terminal of OUT1 low. ROM=Y, EEPROM=N
0	OUT_1_N_FORCELOW	R/W	0x0	OUT1N CMOS Force Low. Setting this bit forces the negative terminal of OUT1 low. ROM=Y, EEPROM=N

1.494 R966 Register (Offset = 0x3C6) [Reset = 0x00]

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表 1-496. R966 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_1_CONFIGURATIO N	R/W	0x0	OUT1 configuration. Selects from CH0 Bypass, CH1 Bypass, CHDIV0, CHDIV1, CH0/2 low-noise divide by two path, SYSREF, SYSREF + Analog Delay, or static DC H/L. ROM=Y, EEPROM=Y and N 0x0 = CH0/2 0x14 = CHDIV1 0x20 = SYSREF+ADLY 0x21 = SYSREF 0x22 = Static DC 0x28 = CHDIV0 0x40 = CH1 Bypass 0x80 = CH0 Bypass

1.495 R967 Register (Offset = 0x3C7) [Reset = 0x01]

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表 1-497. R967 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1	OUT_0_1_CMOS_OUT_V OLTAGE_SEL	R/W	0x0	CMOS LDO Voltage. Selects CMOS LDO voltage. ROM=Y, EEPROM=Y 0x0 = 1.8V 0x1 = 2.65V
0	OUT_0_1_CMOS_OUT_L DO_EN	R/W	0x1	CMOS LDO Enable. Enables LDO used for CMOS outputs. Must be enabled for CMOS mode. ROM=Y, EEPROM=Y

1.496 R968 Register (Offset = 0x3C8) [Reset = 0x00]

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表 1-498. R968 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:1	OUT_0_1_ZDM_TDC_SE L	R/W	0x0	Select zero delay output to TDC's ROM=Y, EEPROM=N 0x0 = None 0x1 = TDC1 0x2 = TDC2 0x4 = TDC3
0	OUT_0_1_ZDM_EN	R/W	0x0	Enable the output from CH_DIV0_1 to be used as DPLL feedback input for zero delay mode ROM=Y, EEPROM=N

1.497 R969 Register (Offset = 0x3C9) [Reset = 0x33]

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表 1-499. R969 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_0_1_DIV_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
5	OUT_0_1_DIV_SYNC_EN	R/W	0x1	OUT0_1 Divider Sync Enable. Enables synchronization of chandiv and div2 dividers for OUT0_1. ROM=Y, EEPROM=N

表 1-499. R969 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4	OUT_0_1_SR_DIV_SYNC_EN	R/W	0x1	OUT0_1 SYSREF Divider Sync Enable. Enables synchronization of SYSREF dividers for OUT0_1. ROM=Y, EEPROM=N
3	OUT_0_1_CH0_CHAN_POL_SEL	R/W	0x0	OUT0_1 Ch0 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the Ch0 channel divider. ROM=Y, EEPROM=N
2	OUT_0_1_CH1_CHAN_POL_SEL	R/W	0x0	OUT0_1 Ch1 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the Ch1 channel divider. ROM=Y, EEPROM=N
1	OUT_0_1_CH0_DIV_EN	R/W	0x1	OUT0_1 Ch0 ChanDiv Enable. Enables the Ch0 channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y
0	OUT_0_1_CH1_DIV_EN	R/W	0x1	OUT0_1 Ch1 ChanDiv Enable. Enables the Ch1 channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y

1.498 R972 Register (Offset = 0x3CC) [Reset = 0x00]

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表 1-500. R972 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	RESERVED	R	0x0	Reserved
1	OUT_0_1_CH0_CH_DIV_SR_MUX_CLK_SEL	R/W	0x0	OUT0_1 Ch0 ChanDiv to SYSREF Input Clock Select. When set, the Ch0 channel divider output is inverted before being fed to the SYSREF. ROM=Y, EEPROM=N 0x0 = POS POL to SR_DIV 0x1 = NEG POL to SR_DIV
0	RESERVED	R/W	0x0	Reserved

1.499 R973 Register (Offset = 0x3CD) [Reset = 0x00]

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表 1-501. R973 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:2	OUT_0_1_CLK_IN_FANOUT	R/W	0x0	OUT0_1 input clock fanout. Distributes the input clock to the channel dividers and the standalone divide-by-2s. ROM=Y, EEPROM=Y 0x0 = DISABLED 0x3 = IN1 to CHDIV1 0x4 = IN0 to SYSREF 0x7 = IN0 to SYSREF, IN1 to CHDIV1 0xC = IN0 to CHDIV0 0xF = IN0 to CHDIV0, IN1 to CHDIV1 0x10 = IN0 to CH0/2 (OUT0) 0x13 = IN0 to CH0/2 (OUT0), IN1 to CHDIV1 (OUT1) 0x14 = IN0 to CH0/2 (OUT0) and SYSREF (OUT1) 0x1C = IN0 to CH0/2 (OUT0) and CHDIV0 (OUT1) 0x20 = IN0 to CH0/2 (OUT1) 0x23 = IN0 to CH0/2 (OUT1), IN1 to CHDIV1 (OUT0) 0x24 = IN0 to CH0/2 (OUT1) and SYSREF (OUT0) 0x2C = IN0 to CH0/2 (OUT1) and CHDIV0 (OUT0) 0x30 = IN0 to CH0/2 (OUT0 and OUT1)
1:0	RESERVED	R	0x0	Reserved

1.500 R974 Register (Offset = 0x3CE) [Reset = 0x00]

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表 1-502. R974 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_0_1_CH0_CH_STAT IC_OFFSET_11:8	R/W	0x0	See Register 975

1.501 R975 Register (Offset = 0x3CF) [Reset = 0x00]

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表 1-503. R975 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_CH0_CH_STAT IC_OFFSET	R/W	0x0	CH0_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.502 R976 Register (Offset = 0x3D0) [Reset = 0x00]

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表 1-504. R976 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_0_1_CH1_CH_STAT IC_OFFSET_11:8	R/W	0x0	See Register 977

1.503 R977 Register (Offset = 0x3D1) [Reset = 0x00]

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表 1-505. R977 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_CH1_CH_STAT IC_OFFSET	R/W	0x0	CH1_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.504 R978 Register (Offset = 0x3D2) [Reset = 0x00]

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表 1-506. R978 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_0_1_CH0_CH_DIV_ 11:8	R/W	0x0	See Register 979

1.505 R979 Register (Offset = 0x3D3) [Reset = 0x19]

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表 1-507. R979 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_CH0_CH_DIV	R/W	0x19	OUT0_1 Ch0 Channel Divider (ChanDiv) Divide Value. ROM=Y, EEPROM=Y

1.506 R980 Register (Offset = 0x3D4) [Reset = 0x00]

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表 1-508. R980 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_0_1_CH1_CH_DIV_11:8	R/W	0x0	See Register 981

1.507 R981 Register (Offset = 0x3D5) [Reset = 0x64]

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表 1-509. R981 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_CH1_CH_DIV	R/W	0x64	OUT0_1 Ch1 Channel Divider (ChanDiv) Divide Value. ROM=Y, EEPROM=Y

1.508 R982 Register (Offset = 0x3D6) [Reset = 0x00]

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表 1-510. R982 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_0_1_SR_ANA_DELAY	R/W	0x0	OUT0_1 SYSREF Analog Delay. Specified here in multiples of one delay step duration. ROM=Y, EEPROM=N

1.509 R983 Register (Offset = 0x3D7) [Reset = 0x05]

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表 1-511. R983 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	OUT_0_1_SR_ANA_DELAY_DIV2_SEL	R/W	0x0	OUT0_1 SYSREF Analog Delay Div By 2 Select. Divides the incoming clock by 2 to double the delay step size. Useful for increasing analog delay range, given high incoming clock frequencies. ROM=Y, EEPROM=N
4	OUT_0_1_SR_ANA_DELAY_EN	R/W	0x0	OUT0_1 SYSREF Analog Delay Enable. ROM=Y, EEPROM=N
3	OUT_0_1_SR_ANA_DELAY_SMALL_STEP_EN	R/W	0x0	OUT0_1 SYSREF Analog Delay Small Step Enable. If set to 1, the analog delay generator will use both rising and falling edges of the incoming clock to halve delay step size. Useful for when large pre-divider values have been used. ROM=Y, EEPROM=N

表 1-511. R983 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	OUT_0_1_SR_ANA_DELAY_RANGE	R/W	0x5	Analog delay range is set according to the period entering the SYSREF analog delay block. The period can be calculated as $(OUT_x_y_SR_ANA_DELAY_DIV2_SEL + 1) / (OUT_x_y_SR_ANA_DELAY_SMALL_STEP_EN + 1) / VCO$ post divider frequency. Calculated range must fall between 333 ps and 1050 ps. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = 333 ps to 450 ps 0x3 = > 450 ps to 600 ps 0x4 = > 600 ps to 750 ps 0x5 = > 750 ps to 1050 ps 0x6 = Reserved 0x7 = Reserved

1.510 R984 Register (Offset = 0x3D8) [Reset = 0x00]Return to the [Summary Table](#).

表 1-512. R984 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_0_1_SR_DDLY	R/W	0x0	OUT0_1 SYSREF Digital Delay Value. Measured in VCO half-cycles. ROM=Y, EEPROM=N

1.511 R985 Register (Offset = 0x3D9) [Reset = 0x00]Return to the [Summary Table](#).

表 1-513. R985 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_0_1_SR_DIV_19:16	R/W	0x0	See Register 987

1.512 R986 Register (Offset = 0x3DA) [Reset = 0x00]Return to the [Summary Table](#).

表 1-514. R986 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_SR_DIV_15:8	R/W	0x0	See Register 987

1.513 R987 Register (Offset = 0x3DB) [Reset = 0xFA]Return to the [Summary Table](#).

表 1-515. R987 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_SR_DIV	R/W	0xFA	OUT0_1 SYSREF Divide Value. ROM=Y, EEPROM=N

1.514 R988 Register (Offset = 0x3DC) [Reset = 0x00]Return to the [Summary Table](#).

表 1-516. R988 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	OUT_0_1_SR_DIV_STATI C_OFFSET_14:8	R/W	0x0	See Register 989

1.515 R989 Register (Offset = 0x3DD) [Reset = 0x00]

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表 1-517. R989 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_0_1_SR_DIV_STATI C_OFFSET	R/W	0x0	OUT_0_1_SR_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization ROM=Y, EEPROM=N

1.516 R990 Register (Offset = 0x3DE) [Reset = 0x00]

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表 1-518. R990 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_0_1_SR_REQ_MOD E	R/W	0x0	ROM=Y, EEPROM=N
6	OUT_0_1_SR_GPIO_EN	R/W	0x0	Enable SYSREF to digital for SYSREF request resampling, continuous SYSREF, 1-PPS GPIO output, 1-PPS phase validation. ROM=Y, EEPROM=N
5	RESERVED	R/W	0x0	Reserved
4:2	OUT_0_1_PULSE_COUN T	R/W	0x0	OUT0_1 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N
1:0	OUT_0_1_SR_MODE	R/W	0x0	OUT0_1 SYSREF Mode. Selects Pulser mode, Continuous mode, or None. ROM=Y, EEPROM=N 0x0 = None 0x1 = Continuous 0x2 = Pulser

1.517 R991 Register (Offset = 0x3DF) [Reset = 0x00]

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表 1-519. R991 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	OUT_0_1_SR_CH0_DIV_ BYPASS	R/W	0x0	OUT0_1 cascaded SYSREF bypass mux. If set, bypasses CHDIV0 for the SYSREF input clock. This is useful for minimizing the step size of the digital delay adjustments on the SYSREF clock. ROM=Y, EEPROM=N 0x0 = ChanDiv input to SysRef 0x1 = Bypass ChanDiv
4:0	RESERVED	R/W	0x0	Reserved

1.518 R1024 Register (Offset = 0x400) [Reset = 0x4C]

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表 1-520. R1024 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_2_EN	R/W	0x1	OUT2 Enable. ROM=Y, EEPROM=Y
5:3	OUT_2_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT2 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_2_VOD	R/W	0x4	Controls the differential output voltage swing for OUT2 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.519 R1025 Register (Offset = 0x401) [Reset = 0x00]Return to the [Summary Table](#).

表 1-521. R1025 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	OUT_2_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
2:0	OUT_2_CONFIGURATIO N	R/W	0x0	OUT2 configuration. ROM=Y, EEPROM=Y and N 0x2 = Static DC 0x3 = CHDIV 0x4 = BYPASS

1.520 R1026 Register (Offset = 0x402) [Reset = 0x0F]Return to the [Summary Table](#).

表 1-522. R1026 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_2_CHAN_POL_SEL	R/W	0x0	OUT2 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
6:5	OUT_2_CLK_MUX	R/W	0x0	OUT2 Input Clock Select. Selects the input clock which will be used to drive the output. ROM=Y, EEPROM=Y 0x0 = PLL3 0x1 = PLL2 0x2 = PLL1_PRI
4	RESERVED	R/W	0x0	Reserved
3	OUT_2_DIV_EN	R/W	0x1	OUT2 ChanDiv Enable. Enables the channel divider. Note: SYSREF/ chandiv mode must be configured separately. ROM=Y, EEPROM=Y

表 1-522. R1026 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	OUT_2_CH_MUX_SEL	R/W	0x7	OUT2 Clock Enable. Bit 2, if set, passes the selected VCO1 clock (VCO1P or VCO1S), to the second stage of clock selection. Bit 1 and Bit0 enable the selected clock to drive the channel divider and the channel divider retimer respectively. ROM=Y, EEPROM=Y 0x0 = PLL2->BYPASS 0x3 = PLL2->CHDIV 0x4 = PLL1->BYPASS 0x7 = PLL1->CHDIV

1.521 R1027 Register (Offset = 0x403) [Reset = 0x08]

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表 1-523. R1027 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	OUT_2_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
3	OUT_2_SYNC_EN	R/W	0x1	OUT2 ChanDiv Sync Enable. Enables synchronization of chandiv dividers for OUT2. ROM=Y, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.522 R1028 Register (Offset = 0x404) [Reset = 0x00]

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表 1-524. R1028 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_2_CH_STATIC_OFF SET_11:8	R/W	0x0	See Register 1029

1.523 R1029 Register (Offset = 0x405) [Reset = 0x00]

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表 1-525. R1029 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_2_CH_STATIC_OFF SET	R/W	0x0	OUT_2_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.524 R1030 Register (Offset = 0x406) [Reset = 0x00]

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表 1-526. R1030 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_2_CH_DIV_11:8	R/W	0x0	See Register 1031

1.525 R1031 Register (Offset = 0x407) [Reset = 0x11]

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表 1-527. R1031 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_2_CH_DIV	R/W	0x11	OUT2 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.526 R1056 Register (Offset = 0x420) [Reset = 0x4C]

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表 1-528. R1056 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_3_EN	R/W	0x1	OUT3 Enable. ROM=Y, EEPROM=Y
5:3	OUT_3_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT3 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_3_VOD	R/W	0x4	Controls the differential output voltage swing for OUT3 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.527 R1057 Register (Offset = 0x421) [Reset = 0x00]

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表 1-529. R1057 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	OUT_3_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
2:0	OUT_3_CONFIGURATIO N	R/W	0x0	OUT3 configuration. ROM=Y, EEPROM=Y and N 0x2 = Static DC 0x3 = CHDIV 0x4 = BYPASS

1.528 R1058 Register (Offset = 0x422) [Reset = 0x0F]

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表 1-530. R1058 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_3_CHAN_POL_SEL	R/W	0x0	OUT3 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
6:5	OUT_3_CLK_MUX	R/W	0x0	OUT3 Input Clock Select. Selects the input clock which will be used to drive the output. ROM=Y, EEPROM=Y 0x0 = PLL3 0x1 = PLL2 0x2 = PLL1_PRI
4	RESERVED	R/W	0x0	Reserved
3	OUT_3_DIV_EN	R/W	0x1	OUT3 ChanDiv Enable. Enables the channel divider. Note: SYSREF/ chandiv mode must be configured separately. ROM=Y, EEPROM=Y
2:0	OUT_3_CH_MUX_SEL	R/W	0x7	OUT3 Clock Enable. Bit 2, if set, passes the selected VCO1 clock (VCO1P or VCO1S), to the second stage of clock selection. Bit 1 and Bit0 enable the selected clock to drive the channel divider and the channel divider retimer respectively. ROM=Y, EEPROM=Y 0x0 = PLL2->BYPASS 0x3 = PLL2->CHDIV 0x4 = PLL1->BYPASS 0x7 = PLL1->CHDIV

1.529 R1059 Register (Offset = 0x423) [Reset = 0x08]

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表 1-531. R1059 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	OUT_3_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
3	OUT_3_SYNC_EN	R/W	0x1	OUT3 ChanDiv Sync Enable. Enables synchronization of chandiv dividers for OUT3. ROM=Y, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.530 R1060 Register (Offset = 0x424) [Reset = 0x00]

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表 1-532. R1060 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_3_CH_STATIC_OFF SET_11:8	R/W	0x0	See Register 1061

1.531 R1061 Register (Offset = 0x425) [Reset = 0x00]

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表 1-533. R1061 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_3_CH_STATIC_OFF SET	R/W	0x0	OUT_3_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.532 R1062 Register (Offset = 0x426) [Reset = 0x00]Return to the [Summary Table](#).

表 1-534. R1062 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_3_CH_DIV_11:8	R/W	0x0	See Register 1063

1.533 R1063 Register (Offset = 0x427) [Reset = 0x11]Return to the [Summary Table](#).

表 1-535. R1063 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_3_CH_DIV	R/W	0x11	OUT3 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.534 R1088 Register (Offset = 0x440) [Reset = 0x04]Return to the [Summary Table](#).

表 1-536. R1088 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:3	RESERVED	R	0x0	Reserved
2:0	OUT_4_5_SR_ANA_DLY_BIASTRIM	R/W	0x4	Channel Analog Delay Bias Trim ROM=N, EEPROM=Y

1.535 R1089 Register (Offset = 0x441) [Reset = 0x49]Return to the [Summary Table](#).

表 1-537. R1089 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_4_EN	R/W	0x1	OUT4 Enable. ROM=Y, EEPROM=Y
5:3	OUT_4_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT4 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved

表 1-537. R1089 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2:0	OUT_4_VOD	R/W	0x1	Controls the differential output voltage swing for OUT4 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.536 R1090 Register (Offset = 0x442) [Reset = 0x00]

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表 1-538. R1090 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_4_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_4_CONFIGURATIO N	R/W	0x0	OUT4 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.537 R1091 Register (Offset = 0x443) [Reset = 0x49]

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表 1-539. R1091 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_5_EN	R/W	0x1	OUT5 Enable. ROM=Y, EEPROM=Y
5:3	OUT_5_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT5 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_5_VOD	R/W	0x1	Controls the differential output voltage swing for OUT5 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.538 R1092 Register (Offset = 0x444) [Reset = 0x00]

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表 1-540. R1092 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_5_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_5_CONFIGURATIO N	R/W	0x0	OUT5 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.539 R1093 Register (Offset = 0x445) [Reset = 0x31]

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表 1-541. R1093 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	OUT_4_5_DIV_SYNC_EN	R/W	0x1	OUT4_5 Divider Sync Enable. Enables synchronization of chandiv dividers for OUT4_5. ROM=Y, EEPROM=N
4	OUT_4_5_SR_DIV_SYNC _EN	R/W	0x1	OUT4_5 SYSREF Divider Sync Enable. Enables synchronization of SYSREF dividers for OUT4_5. ROM=Y, EEPROM=N
3:2	RESERVED	R/W	0x0	Reserved
1	OUT_4_5_CHAN_POL_S EL	R/W	0x0	OUT4_5 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
0	OUT_4_5_DIV_EN	R/W	0x1	OUT4_5 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y

1.540 R1094 Register (Offset = 0x446) [Reset = 0x03]

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表 1-542. R1094 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_4_5_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
6	OUT_4_5_ZDM_EN	R/W	0x0	OUT4_5 zero delay output enable ROM=Y, EEPROM=N
5	OUT_4_5_CLK_IN_SEL	R/W	0x0	OUT4_5 Input Clock Select. Selects the input clock which will be used to drive the output: 0 = VCO2, 1 = VCO3 ROM=Y, EEPROM=Y 0x0 = PLL2 0x1 = PLL3
4	OUT_4_5_CH_DIV_SR_M UX_CLK_SEL	R/W	0x0	OUT4_5 ChanDiv to SYSREF Clock Select. When set, the channel divider output is inverted before being fed to the SYSREF. ROM=Y, EEPROM=N

表 1-542. R1094 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:0	OUT_4_5_CH_MUX_SEL	R/W	0x3	OUT4_5 Input Clock Enable. Enables the selected clock to various inputs: [0] -> ChanDiv, [1] -> ChanDiv Retimer, [2] -> Div2 to OUT4, [3] -> Div2 to OUT5 ROM=Y, EEPROM=Y 0x0 = OFF 0x1 = SYSREF 0x3 = CHDIV 0x4 = DIV2->OUT4 0x5 = DIV2->OUT4, SYSREF->OUT5 0x7 = DIV2->OUT4, CHDIV->OUT5 0x8 = DIV2->OUT5 0x9 = SYSREF->OUT4, DIV2->OUT5 0xB = CHDIV->OUT4, DIV2->OUT5 0xC = DIV2->OUT4, DIV2->OUT5

1.541 R1095 Register (Offset = 0x447) [Reset = 0x00]

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表 1-543. R1095 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_4_5_CH_STATIC_OFFSET_11:8	R/W	0x0	See Register 1096

1.542 R1096 Register (Offset = 0x448) [Reset = 0x00]

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表 1-544. R1096 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_4_5_CH_STATIC_OFFSET	R/W	0x0	OUT_4_5_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.543 R1097 Register (Offset = 0x449) [Reset = 0x00]

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表 1-545. R1097 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_4_5_CH_DIV_11:8	R/W	0x0	See Register 1098

1.544 R1098 Register (Offset = 0x44A) [Reset = 0x03]

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表 1-546. R1098 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_4_5_CH_DIV	R/W	0x3	OUT4_5 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.545 R1099 Register (Offset = 0x44B) [Reset = 0x00]

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表 1-547. R1099 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_4_5_SR_ANA_DELAY	R/W	0x0	OUT4_5 SYSREF Analog Delay. Specified here in multiples of one delay step duration. ROM=Y, EEPROM=N

1.546 R1100 Register (Offset = 0x44C) [Reset = 0x05]

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表 1-548. R1100 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	OUT_4_5_SR_ANA_DELAY_DIV2_SEL	R/W	0x0	OUT4_5 SYSREF Analog Delay Div By 2 Select. Divides the incoming clock by 2 to double the delay step size. Useful for increasing analog delay range, given high incoming clock frequencies. ROM=Y, EEPROM=N
4	OUT_4_5_SR_ANA_DELAY_EN	R/W	0x0	OUT4_5 SYSREF Analog Delay Enable. Enables the analog delay generator. Set to a 0 to save power if analog delay generator is not needed. ROM=Y, EEPROM=N
3	OUT_4_5_SR_ANA_DELAY_SMALL_STEP_EN	R/W	0x0	OUT4_5 SYSREF Analog Delay Small Step Enable. If set to 1, the analog delay generator will use both rising and falling edges of the incoming clock to halve delay step size. Useful for when large pre-divider values have been used. ROM=Y, EEPROM=N
2:0	OUT_4_5_SR_ANA_DELAY_RANGE	R/W	0x5	Analog delay range is set according to the period entering the SYSREF analog delay block. The period can be calculated as $(OUT_x_y_SR_ANA_DELAY_DIV2_SEL + 1) / (OUT_x_y_SR_ANA_DELAY_SMALL_STEP_EN + 1) / VCO$ post divider frequency. Calculated range must fall between 333 ps and 1050 ps. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = 333 ps to 450 ps 0x3 = > 450 ps to 600 ps 0x4 = > 600 ps to 750 ps 0x5 = > 750 ps to 1050 ps 0x6 = Reserved 0x7 = Reserved

1.547 R1101 Register (Offset = 0x44D) [Reset = 0x00]

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表 1-549. R1101 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_4_5_SR_DDLY	R/W	0x0	OUT4_5 SYSREF Digital Delay Value. Measured in VCO half-cycles. ROM=Y, EEPROM=N

1.548 R1102 Register (Offset = 0x44E) [Reset = 0x00]

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表 1-550. R1102 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_4_5_SR_DIV_19:16	R/W	0x0	See Register 1104

1.549 R1103 Register (Offset = 0x44F) [Reset = 0x00]

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表 1-551. R1103 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_4_5_SR_DIV_15:8	R/W	0x0	See Register 1104

1.550 R1104 Register (Offset = 0x450) [Reset = 0xFA]

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表 1-552. R1104 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_4_5_SR_DIV	R/W	0xFA	OUT4_5 SYSREF Divide Value. ROM=Y, EEPROM=N

1.551 R1105 Register (Offset = 0x451) [Reset = 0x00]

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表 1-553. R1105 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	OUT_4_5_SR_DIV_STATI C_OFFSET_14:8	R/W	0x0	See Register 1106

1.552 R1106 Register (Offset = 0x452) [Reset = 0x00]

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表 1-554. R1106 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_4_5_SR_DIV_STATI C_OFFSET	R/W	0x0	OUT_4_5_SR_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization ROM=Y, EEPROM=N

1.553 R1107 Register (Offset = 0x453) [Reset = 0x00]

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表 1-555. R1107 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_4_5_SR_REQ_MOD E	R/W	0x0	OUT4_5 SYSREF Mute Enable ROM=Y, EEPROM=N
5:3	OUT_4_5_PULSE_COUN T	R/W	0x0	OUT4_5 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N

表 1-555. R1107 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2	OUT_4_5_SR_GPIO_EN	R/W	0x0	Enables SYSREF to digital for SYSREF request resampling, continuous SYSREF, or 1-PPS GPIO output ROM=Y, EEPROM=N
1:0	OUT_4_5_SR_MODE	R/W	0x0	OUT4_5 SYSREF Mode. When this bit is set, the SYSREF operates in Continuous Mode. When cleared, the SYSREF operates in Pulse Mode. ROM=Y, EEPROM=N 0x0 = None 0x1 = Continuous 0x2 = Pulser

1.554 R1108 Register (Offset = 0x454) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-556. R1108 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:5	RESERVED	R/W	0x0	Reserved
4	OUT_4_5_SR_CH_DIV_BYPASS	R/W	0x0	OUT4_5 cascaded SYSREF bypass mux. If set, bypasses OUT4_5 channel divider for the SYSREF input clock. This is useful for minimizing the step size of the digital delay adjustments on the SYSREF clock. ROM=Y, EEPROM=N
3:0	RESERVED	R/W	0x0	Reserved

1.555 R1121 Register (Offset = 0x461) [Reset = 0x4E]

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表 1-557. R1121 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_6_EN	R/W	0x1	OUT6 Enable. ROM=Y, EEPROM=Y
5:3	OUT_6_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT6 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_6_VOD	R/W	0x6	Controls the differential output voltage swing for OUT6 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.556 R1122 Register (Offset = 0x462) [Reset = 0x00]

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表 1-558. R1122 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_6_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_6_CONFIGURATIO N	R/W	0x0	OUT6 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.557 R1123 Register (Offset = 0x463) [Reset = 0x4E]

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表 1-559. R1123 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_7_EN	R/W	0x1	OUT7 Enable. ROM=Y, EEPROM=Y
5:3	OUT_7_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT7 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_7_VOD	R/W	0x6	Controls the differential output voltage swing for OUT7 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.558 R1124 Register (Offset = 0x464) [Reset = 0x00]

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表 1-560. R1124 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_7_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved

表 1-560. R1124 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4:0	OUT_7_CONFIGURATIO N	R/W	0x0	OUT7 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.559 R1125 Register (Offset = 0x465) [Reset = 0x31]Return to the [Summary Table](#).

表 1-561. R1125 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	OUT_6_7_DIV_SYNC_EN	R/W	0x1	OUT6_7 Divider Sync Enable. Enables synchronization of chandiv dividers for OUT6_7. ROM=Y, EEPROM=N
4	OUT_6_7_SR_DIV_SYNC _EN	R/W	0x1	OUT6_7 SYSREF Divider Sync Enable. Enables synchronization of SYSREF dividers for OUT6_7. ROM=Y, EEPROM=N
3:2	RESERVED	R/W	0x0	Reserved
1	OUT_6_7_CHAN_POL_S EL	R/W	0x0	OUT6_7 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
0	OUT_6_7_DIV_EN	R/W	0x1	OUT6_7 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y

1.560 R1126 Register (Offset = 0x466) [Reset = 0x03]Return to the [Summary Table](#).

表 1-562. R1126 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_6_7_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
6	RESERVED	R/W	0x0	Reserved
5	OUT_6_7_CLK_IN_SEL	R/W	0x0	OUT6_7 Input Clock Select. Selects the input clock which will be used to drive the output: 0 = VCO2, 1 = VCO3 ROM=Y, EEPROM=Y 0x0 = PLL2 0x1 = PLL3
4	OUT_6_7_CH_DIV_SR_M UX_CLK_SEL	R/W	0x0	OUT6_7 ChanDiv to SYSREF Clock Select. When set, the channel divider output is inverted before being fed to the SYSREF. ROM=Y, EEPROM=N

表 1-562. R1126 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:0	OUT_6_7_CH_MUX_SEL	R/W	0x3	OUT6_7 Input Clock Enable. Enables the selected clock to various inputs: [0] -> ChanDiv, [1] -> ChanDiv Retimer, [2] -> Div2 to OUT6, [3] -> Div2 to OUT7 ROM=Y, EEPROM=Y 0x0 = OFF 0x1 = SYSREF 0x3 = CHDIV 0x4 = DIV2->OUT6 0x5 = DIV2->OUT6, SYSREF->OUT7 0x7 = DIV2->OUT6, CHDIV->OUT7 0x8 = DIV2->OUT7 0x9 = SYSREF->OUT6, DIV2->OUT7 0xB = CHDIV->OUT6, DIV2->OUT7 0xC = DIV2->OUT6, DIV2->OUT7

1.561 R1127 Register (Offset = 0x467) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-563. R1127 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_6_7_CH_STATIC_O FFSET_11:8	R/W	0x0	See Register 1128

1.562 R1128 Register (Offset = 0x468) [Reset = 0x00]

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表 1-564. R1128 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_6_7_CH_STATIC_O FFSET	R/W	0x0	OUT_6_7_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.563 R1129 Register (Offset = 0x469) [Reset = 0x00]

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表 1-565. R1129 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_6_7_CH_DIV_11:8	R/W	0x0	See Register 1130

1.564 R1130 Register (Offset = 0x46A) [Reset = 0x03]

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表 1-566. R1130 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_6_7_CH_DIV	R/W	0x3	OUT6_7 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.565 R1131 Register (Offset = 0x46B) [Reset = 0x00]

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表 1-567. R1131 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_6_7_SR_ANA_DELAY	R/W	0x0	OUT6_7 SYSREF Analog Delay. Specified here in multiples of one delay step duration. ROM=Y, EEPROM=N

1.566 R1132 Register (Offset = 0x46C) [Reset = 0x05]

Return to the [Summary Table](#).

表 1-568. R1132 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	OUT_6_7_SR_ANA_DELAY_DIV2_SEL	R/W	0x0	OUT6_7 SYSREF Analog Delay Div By 2 Select. Divides the incoming clock by 2 to double the delay step size. Useful for increasing analog delay range, given high incoming clock frequencies. ROM=Y, EEPROM=N
4	OUT_6_7_SR_ANA_DELAY_EN	R/W	0x0	OUT6_7 SYSREF Analog Delay Enable. Enables the analog delay generator. Set to a 0 to save power if analog delay generator is not needed. ROM=Y, EEPROM=N
3	OUT_6_7_SR_ANA_DELAY_SMALL_STEP_EN	R/W	0x0	OUT6_7 SYSREF Analog Delay Small Step Enable. If set to 1, the analog delay generator will use both rising and falling edges of the incoming clock to halve delay step size. Useful for when large pre-divider values have been used. ROM=Y, EEPROM=N
2:0	OUT_6_7_SR_ANA_DELAY_RANGE	R/W	0x5	Analog delay range is set according to the period entering the SYSREF analog delay block. The period can be calculated as $(OUT_x_y_SR_ANA_DELAY_DIV2_SEL + 1) / (OUT_x_y_SR_ANA_DELAY_SMALL_STEP_EN + 1) / VCO$ post divider frequency. Calculated range must fall between 333 ps and 1050 ps. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = 333 ps to 450 ps 0x3 = > 450 ps to 600 ps 0x4 = > 600 ps to 750 ps 0x5 = > 750 ps to 1050 ps 0x6 = Reserved 0x7 = Reserved

1.567 R1133 Register (Offset = 0x46D) [Reset = 0x00]

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表 1-569. R1133 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_6_7_SR_DDLY	R/W	0x0	OUT6_7 SYSREF Digital Delay Value. Measured in VCO half-cycles. ROM=Y, EEPROM=N

1.568 R1134 Register (Offset = 0x46E) [Reset = 0x00]

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表 1-570. R1134 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_6_7_SR_DIV_19:16	R/W	0x0	See Register 1136

1.569 R1135 Register (Offset = 0x46F) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-571. R1135 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_6_7_SR_DIV_15:8	R/W	0x0	See Register 1136

1.570 R1136 Register (Offset = 0x470) [Reset = 0xFA]

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表 1-572. R1136 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_6_7_SR_DIV	R/W	0xFA	OUT6_7 SYSREF Divide Value. ROM=Y, EEPROM=N

1.571 R1137 Register (Offset = 0x471) [Reset = 0x00]

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表 1-573. R1137 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	OUT_6_7_SR_DIV_STATI C_OFFSET_14:8	R/W	0x0	See Register 1138

1.572 R1138 Register (Offset = 0x472) [Reset = 0x00]

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表 1-574. R1138 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_6_7_SR_DIV_STATI C_OFFSET	R/W	0x0	OUT_6_7_SR_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization ROM=Y, EEPROM=N

1.573 R1139 Register (Offset = 0x473) [Reset = 0x00]

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表 1-575. R1139 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_6_7_SR_REQ_MOD E	R/W	0x0	OUT6_7 SYSREF Mute Enable ROM=Y, EEPROM=N
5:3	OUT_6_7_PULSE_COUN T	R/W	0x0	OUT6_7 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N

表 1-575. R1139 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2	OUT_6_7_SR_GPIO_EN	R/W	0x0	Enables SYSREF to digital for SYSREF request resampling, continuous SYSREF, or 1-PPS GPIO output ROM=Y, EEPROM=N
1:0	OUT_6_7_SR_MODE	R/W	0x0	OUT6_7 SYSREF Mode. When this bit is set, the SYSREF operates in Continuous Mode. When cleared, the SYSREF operates in PULSE MODE. ROM=Y, EEPROM=N 0x0 = None 0x1 = Continuous 0x2 = Pulser

1.574 R1140 Register (Offset = 0x474) [Reset = 0x00]

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表 1-576. R1140 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:5	RESERVED	R/W	0x0	Reserved
4	OUT_6_7_SR_CH_DIV_BYPASS	R/W	0x0	OUT6_7 cascaded SYSREF bypass mux. If set, bypasses OUT6_7 channel divider for the SYSREF input clock. This is useful for minimizing the step size of the digital delay adjustments on the SYSREF clock. ROM=Y, EEPROM=N
3:0	RESERVED	R/W	0x0	Reserved

1.575 R1153 Register (Offset = 0x481) [Reset = 0x73]

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表 1-577. R1153 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_8_EN	R/W	0x1	OUT8 Enable. ROM=Y, EEPROM=Y
5:3	OUT_8_VCM	R/W	0x6	Controls the differential output common mode voltage for OUT8 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_8_VOD	R/W	0x3	Controls the differential output voltage swing for OUT8 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.576 R1154 Register (Offset = 0x482) [Reset = 0x00]

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表 1-578. R1154 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_8_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_8_CONFIGURATIO N	R/W	0x0	OUT8 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.577 R1155 Register (Offset = 0x483) [Reset = 0x73]

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表 1-579. R1155 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_9_EN	R/W	0x1	OUT9 Enable. ROM=Y, EEPROM=Y
5:3	OUT_9_VCM	R/W	0x6	Controls the differential output common mode voltage for OUT9 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_9_VOD	R/W	0x3	Controls the differential output voltage swing for OUT9 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.578 R1156 Register (Offset = 0x484) [Reset = 0x00]

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表 1-580. R1156 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_9_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved

表 1-580. R1156 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4:0	OUT_9_CONFIGURATIO N	R/W	0x0	OUT9 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.579 R1157 Register (Offset = 0x485) [Reset = 0x31]Return to the [Summary Table](#).

表 1-581. R1157 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	OUT_8_9_DIV_SYNC_EN	R/W	0x1	OUT8_9 Divider Sync Enable. Enables synchronization of chandiv dividers for OUT8_9. ROM=Y, EEPROM=N
4	OUT_8_9_SR_DIV_SYNC _EN	R/W	0x1	OUT8_9 SYSREF Divider Sync Enable. Enables synchronization of SYSREF dividers for OUT8_9. ROM=Y, EEPROM=N
3:2	RESERVED	R/W	0x0	Reserved
1	OUT_8_9_CHAN_POL_S EL	R/W	0x0	OUT8_9 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
0	OUT_8_9_DIV_EN	R/W	0x1	OUT8_9 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y

1.580 R1158 Register (Offset = 0x486) [Reset = 0x23]Return to the [Summary Table](#).

表 1-582. R1158 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_8_9_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
6	RESERVED	R/W	0x0	Reserved
5	OUT_8_9_CLK_IN_SEL	R/W	0x1	OUT8_9 Input Clock Select. Selects the input clock which will be used to drive the output: 0 = VCO2, 1 = VCO3 ROM=Y, EEPROM=Y 0x0 = PLL2 0x1 = PLL3
4	OUT_8_9_CH_DIV_SR_M UX_CLK_SEL	R/W	0x0	OUT8_9 ChanDiv to SYSREF Clock Select. When set, the channel divider output is inverted before being fed to the SYSREF. ROM=Y, EEPROM=N

表 1-582. R1158 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:0	OUT_8_9_CH_MUX_SEL	R/W	0x3	OUT8_9 Input Clock Enable. Enables the selected clock to various inputs: [0] -> ChanDiv, [1] -> ChanDiv Retimer, [2] -> Div2 to OUT8, [3] -> Div2 to OUT9 ROM=Y, EEPROM=Y 0x0 = OFF 0x1 = SYSREF 0x3 = CHDIV 0x4 = DIV2->OUT8 0x5 = DIV2->OUT8, SYSREF->OUT9 0x7 = DIV2->OUT8, CHDIV->OUT9 0x8 = DIV2->OUT9 0x9 = SYSREF->OUT8, DIV2->OUT9 0xB = CHDIV->OUT8, DIV2->OUT9 0xC = DIV2->OUT8, DIV2->OUT9

1.581 R1159 Register (Offset = 0x487) [Reset = 0x00]

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表 1-583. R1159 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_8_9_CH_STATIC_O FFSET_11:8	R/W	0x0	See Register 1160

1.582 R1160 Register (Offset = 0x488) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-584. R1160 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_8_9_CH_STATIC_O FFSET	R/W	0x0	OUT_8_9_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.583 R1161 Register (Offset = 0x489) [Reset = 0x00]

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表 1-585. R1161 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_8_9_CH_DIV_11:8	R/W	0x0	See Register 1162

1.584 R1162 Register (Offset = 0x48A) [Reset = 0x10]

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表 1-586. R1162 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_8_9_CH_DIV	R/W	0x10	OUT8_9 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.585 R1163 Register (Offset = 0x48B) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-587. R1163 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_8_9_SR_ANA_DELAY	R/W	0x0	OUT8_9 SYSREF Analog Delay. Specified here in multiples of one delay step duration. ROM=Y, EEPROM=N

1.586 R1164 Register (Offset = 0x48C) [Reset = 0x05]

Return to the [Summary Table](#).

表 1-588. R1164 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	OUT_8_9_SR_ANA_DELAY_DIV2_SEL	R/W	0x0	OUT8_9 SYSREF Analog Delay Div By 2 Select. Divides the incoming clock by 2 to double the delay step size. Useful for increasing analog delay range, given high incoming clock frequencies. ROM=Y, EEPROM=N
4	OUT_8_9_SR_ANA_DELAY_EN	R/W	0x0	OUT8_9 SYSREF Analog Delay Enable. Enables the analog delay generator. Set to a 0 to save power if analog delay generator is not needed. ROM=Y, EEPROM=N
3	OUT_8_9_SR_ANA_DELAY_SMALL_STEP_EN	R/W	0x0	OUT8_9 SYSREF Analog Delay Small Step Enable. If set to 1, the analog delay generator will use both rising and falling edges of the incoming clock to halve delay step size. Useful for when large pre-divider values have been used. ROM=Y, EEPROM=N
2:0	OUT_8_9_SR_ANA_DELAY_RANGE	R/W	0x5	Analog delay range is set according to the period entering the SYSREF analog delay block. The period can be calculated as $(OUT_x_y_SR_ANA_DELAY_DIV2_SEL + 1) / (OUT_x_y_SR_ANA_DELAY_SMALL_STEP_EN + 1) / VCO$ post divider frequency. Calculated range must fall between 333 ps and 1050 ps. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = 333 ps to 450 ps 0x3 = > 450 ps to 600 ps 0x4 = > 600 ps to 750 ps 0x5 = > 750 ps to 1050 ps 0x6 = Reserved 0x7 = Reserved

1.587 R1165 Register (Offset = 0x48D) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-589. R1165 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_8_9_SR_DDLY	R/W	0x0	OUT8_9 SYSREF Digital Delay Value. Measured in VCO half-cycles. ROM=Y, EEPROM=N

1.588 R1166 Register (Offset = 0x48E) [Reset = 0x00]

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表 1-590. R1166 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_8_9_SR_DIV_19:16	R/W	0x0	See Register 1168

1.589 R1167 Register (Offset = 0x48F) [Reset = 0x00]

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表 1-591. R1167 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_8_9_SR_DIV_15:8	R/W	0x0	See Register 1168

1.590 R1168 Register (Offset = 0x490) [Reset = 0xFA]

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表 1-592. R1168 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_8_9_SR_DIV	R/W	0xFA	OUT8_9 SYSREF Divide Value. ROM=Y, EEPROM=N

1.591 R1169 Register (Offset = 0x491) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-593. R1169 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	OUT_8_9_SR_DIV_STATI C_OFFSET_14:8	R/W	0x0	See Register 1170

1.592 R1170 Register (Offset = 0x492) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-594. R1170 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_8_9_SR_DIV_STATI C_OFFSET	R/W	0x0	OUT_8_9_SR_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization ROM=Y, EEPROM=N

1.593 R1171 Register (Offset = 0x493) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-595. R1171 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_8_9_SR_REQ_MOD E	R/W	0x0	OUT8_9 SYSREF Mute Enable ROM=Y, EEPROM=N
5:3	OUT_8_9_PULSE_COUN T	R/W	0x0	OUT8_9 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N

表 1-595. R1171 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
2	OUT_8_9_SR_GPIO_EN	R/W	0x0	Enables SYSREF to digital for SYSREF request resampling, continuous SYSREF, or 1-PPS GPIO output ROM=Y, EEPROM=N
1:0	OUT_8_9_SR_MODE	R/W	0x0	OUT8_9 SYSREF Mode. When this bit is set, the SYSREF operates in Continuous Mode. When cleared, the SYSREF operates in PULSE MODE. ROM=Y, EEPROM=N 0x0 = None 0x1 = Continuous 0x2 = Pulser

1.594 R1185 Register (Offset = 0x4A1) [Reset = 0x73]

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表 1-596. R1185 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_10_EN	R/W	0x1	OUT10 Enable. ROM=Y, EEPROM=Y
5:3	OUT_10_VCM	R/W	0x6	Controls the differential output common mode voltage for OUT10 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_10_VOD	R/W	0x3	Controls the differential output voltage swing for OUT10 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.595 R1186 Register (Offset = 0x4A2) [Reset = 0x00]

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表 1-597. R1186 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_10_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_10_CONFIGURATI ON	R/W	0x0	OUT10 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.596 R1187 Register (Offset = 0x4A3) [Reset = 0x73]

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表 1-598. R1187 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_11_EN	R/W	0x1	OUT11 Enable. ROM=Y, EEPROM=Y
5:3	OUT_11_VCM	R/W	0x6	Controls the differential output common mode voltage for OUT11 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_11_VOD	R/W	0x3	Controls the differential output voltage swing for OUT11 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.597 R1188 Register (Offset = 0x4A4) [Reset = 0x00]

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表 1-599. R1188 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_11_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_11_CONFIGURATION	R/W	0x0	OUT11 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.598 R1189 Register (Offset = 0x4A5) [Reset = 0x31]

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表 1-600. R1189 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	OUT_10_11_DIV_SYNC_EN	R/W	0x1	OUT10_11 Divider Sync Enable. Enables synchronization of chandiv dividers for OUT10_11. ROM=Y, EEPROM=N
4	OUT_10_11_SR_DIV_SYNC_EN	R/W	0x1	OUT10_11 SYSREF Divider Sync Enable. Enables synchronization of SYSREF dividers for OUT10_11. ROM=Y, EEPROM=N

表 1-600. R1189 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3:2	RESERVED	R/W	0x0	Reserved
1	OUT_10_11_CHAN_POL_SEL	R/W	0x0	OUT10_11 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
0	OUT_10_11_DIV_EN	R/W	0x1	OUT10_11 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y

1.599 R1190 Register (Offset = 0x4A6) [Reset = 0x23]Return to the [Summary Table](#).

表 1-601. R1190 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_10_11_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
6	OUT_10_11_ZDM_EN	R/W	0x0	OUT10_11 zero delay output enable. ROM=Y, EEPROM=N
5	OUT_10_11_CLK_IN_SEL	R/W	0x1	OUT10_11 Input Clock Select. Selects the input clock which will be used to drive the output: 0 = VCO2, 1 = VCO3 ROM=Y, EEPROM=Y 0x0 = PLL2 0x1 = PLL3
4	OUT_10_11_CH_DIV_SR_MUX_CLK_SEL	R/W	0x0	OUT10_11 ChanDiv to SYSREF Clock Select. When set, the channel divider output is inverted before being fed to the SYSREF. ROM=Y, EEPROM=N
3:0	OUT_10_11_CH_MUX_SEL	R/W	0x3	OUT10_11 Input Clock Enable. Enables the selected clock to various inputs: [0] -> ChanDiv, [1] -> ChanDiv Retimer, [2] -> Div2 to OUT10, [3] -> Div2 to OUT11 ROM=Y, EEPROM=Y 0x0 = OFF 0x1 = SYSREF 0x3 = CHDIV 0x4 = DIV2->OUT10 0x5 = DIV2->OUT10, SYSREF->OUT11 0x7 = DIV2->OUT10, CHDIV->OUT11 0x8 = DIV2->OUT11 0x9 = SYSREF->OUT10, DIV2->OUT11 0xB = CHDIV->OUT10, DIV2->OUT11 0xC = DIV2->OUT10, DIV2->OUT11

1.600 R1191 Register (Offset = 0x4A7) [Reset = 0x00]Return to the [Summary Table](#).

表 1-602. R1191 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_10_11_CH_STATIC_OFFSET_11:8	R/W	0x0	See Register 1192

1.601 R1192 Register (Offset = 0x4A8) [Reset = 0x00]Return to the [Summary Table](#).

表 1-603. R1192 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_10_11_CH_STATIC_OFFSET	R/W	0x0	OUT_10_11_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.602 R1193 Register (Offset = 0x4A9) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-604. R1193 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_10_11_CH_DIV_11:8	R/W	0x0	See Register 1194

1.603 R1194 Register (Offset = 0x4AA) [Reset = 0x10]

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表 1-605. R1194 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_10_11_CH_DIV	R/W	0x10	OUT10_11 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.604 R1195 Register (Offset = 0x4AB) [Reset = 0x00]

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表 1-606. R1195 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_10_11_SR_ANA_DELAY	R/W	0x0	OUT10_11 SYSREF Analog Delay. Specified here in multiples of one delay step duration. ROM=Y, EEPROM=N

1.605 R1196 Register (Offset = 0x4AC) [Reset = 0x05]

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表 1-607. R1196 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	OUT_10_11_SR_ANA_DELAY_DIV2_SEL	R/W	0x0	OUT10_11 SYSREF Analog Delay Div By 2 Select. Divides the incoming clock by 2 to double the delay step size. Useful for increasing analog delay range, given high incoming clock frequencies. ROM=Y, EEPROM=N
4	OUT_10_11_SR_ANA_DELAY_EN	R/W	0x0	OUT10_11 SYSREF Analog Delay Enable. Enables the analog delay generator. Set to a 0 to save power if analog delay generator is not needed. ROM=Y, EEPROM=N

表 1-607. R1196 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3	OUT_10_11_SR_ANA_DELAY_SMALL_STEP_EN	R/W	0x0	OUT10_11 SYSREF Analog Delay Small Step Enable. If set to 1, the analog delay generator will use both rising and falling edges of the incoming clock to halve delay step size. Useful for when large pre-divider values have been used. ROM=Y, EEPROM=N
2:0	OUT_10_11_SR_ANA_DELAY_RANGE	R/W	0x5	Analog delay range is set according to the period entering the SYSREF analog delay block. The period can be calculated as $(\text{OUT_x_y_SR_ANA_DELAY_DIV2_SEL} + 1) / (\text{OUT_x_y_SR_ANA_DELAY_SMALL_STEP_EN} + 1) / \text{VCO post divider frequency}$. Calculated range must fall between 333 ps and 1050 ps. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = 333 ps to 450 ps 0x3 = > 450 ps to 600 ps 0x4 = > 600 ps to 750 ps 0x5 = > 750 ps to 1050 ps 0x6 = Reserved 0x7 = Reserved

1.606 R1197 Register (Offset = 0x4AD) [Reset = 0x00]Return to the [Summary Table](#).

表 1-608. R1197 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_10_11_SR_DDLY	R/W	0x0	OUT10_11 SYSREF Digital Delay Value. Measured in VCO half-cycles. ROM=Y, EEPROM=N

1.607 R1198 Register (Offset = 0x4AE) [Reset = 0x00]Return to the [Summary Table](#).

表 1-609. R1198 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_10_11_SR_DIV_19:16	R/W	0x0	See Register 1200

1.608 R1199 Register (Offset = 0x4AF) [Reset = 0x00]Return to the [Summary Table](#).

表 1-610. R1199 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_10_11_SR_DIV_15:8	R/W	0x0	See Register 1200

1.609 R1200 Register (Offset = 0x4B0) [Reset = 0xFA]Return to the [Summary Table](#).

表 1-611. R1200 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_10_11_SR_DIV	R/W	0xFA	OUT10_11 SYSREF Divide Value. ROM=Y, EEPROM=N

1.610 R1201 Register (Offset = 0x4B1) [Reset = 0x00]

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表 1-612. R1201 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	OUT_10_11_SR_DIV_ST ATIC_OFFSET_14:8	R/W	0x0	See Register 1202

1.611 R1202 Register (Offset = 0x4B2) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-613. R1202 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_10_11_SR_DIV_ST ATIC_OFFSET	R/W	0x0	OUT_10_11_SR_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization ROM=Y, EEPROM=N

1.612 R1203 Register (Offset = 0x4B3) [Reset = 0x00]

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表 1-614. R1203 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_10_11_SR_REQ_M ODE	R/W	0x0	OUT10_11 SYSREF Mute Enable ROM=Y, EEPROM=N
5:3	OUT_10_11_PULSE_CO UNT	R/W	0x0	OUT10_11 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N
2	OUT_10_11_SR_GPIO_E N	R/W	0x0	Enables SYSREF to digital for SYSREF request resampling, continuous SYSREF, or 1-PPS GPIO output ROM=Y, EEPROM=N
1:0	OUT_10_11_SR_MODE	R/W	0x0	OUT10_11 SYSREF Mode. When this bit is set, the SYSREF operates in Continuous Mode. When cleared, the SYSREF operates in PULSE MODE. ROM=Y, EEPROM=N 0x0 = None 0x1 = Continuous 0x2 = Pulser

1.613 R1204 Register (Offset = 0x4B4) [Reset = 0x00]

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表 1-615. R1204 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:5	RESERVED	R/W	0x0	Reserved

表 1-615. R1204 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
4	OUT_10_11_SR_CH_DIV_BYPASS	R/W	0x0	OUT10_11 cascaded SYSREF bypass mux. If set, bypasses OUT10_11 channel divider for the SYSREF input clock. This is useful for minimizing the step size of the digital delay adjustments on the SYSREF clock. ROM=Y, EEPROM=N
3:0	RESERVED	R/W	0x0	Reserved

1.614 R1217 Register (Offset = 0x4C1) [Reset = 0x49]

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表 1-616. R1217 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_12_EN	R/W	0x1	OUT12 Enable. ROM=Y, EEPROM=Y
5:3	OUT_12_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT12 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_12_VOD	R/W	0x1	Controls the differential output voltage swing for OUT12 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.615 R1218 Register (Offset = 0x4C2) [Reset = 0x00]

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表 1-617. R1218 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_12_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_12_CONFIGURATION	R/W	0x0	OUT12 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.616 R1219 Register (Offset = 0x4C3) [Reset = 0x4E]

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表 1-618. R1219 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_13_EN	R/W	0x1	OUT13 Enable. ROM=Y, EEPROM=Y
5:3	OUT_13_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT13 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_13_VOD	R/W	0x6	Controls the differential output voltage swing for OUT13 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.617 R1220 Register (Offset = 0x4C4) [Reset = 0x00]

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表 1-619. R1220 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_13_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
5	RESERVED	R	0x0	Reserved
4:0	OUT_13_CONFIGURATI ON	R/W	0x0	OUT13 configuration. ROM=Y, EEPROM=Y and N 0x0 = CH/2 0x8 = SYSREF+ADLY 0x9 = SYSREF 0xA = Static DC 0xC = CHDIV 0x10 = BYPASS

1.618 R1221 Register (Offset = 0x4C5) [Reset = 0x31]

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表 1-620. R1221 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R/W	0x0	Reserved
5	OUT_12_13_DIV_SYNC_ EN	R/W	0x1	OUT12_13 Divider Sync Enable. Enables synchronization of chandiv dividers for OUT12_13. ROM=Y, EEPROM=N
4	OUT_12_13_SR_DIV_SY NC_EN	R/W	0x1	OUT12_13 SYSREF Divider Sync Enable. Enables synchronization of SYSREF dividers for OUT12_13. ROM=Y, EEPROM=N
3:2	RESERVED	R/W	0x0	Reserved

表 1-620. R1221 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
1	OUT_12_13_CHAN_POL_SEL	R/W	0x0	OUT12_13 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
0	OUT_12_13_DIV_EN	R/W	0x1	OUT12_13 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y

1.619 R1222 Register (Offset = 0x4C6) [Reset = 0x23]Return to the [Summary Table](#).

表 1-621. R1222 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_12_13_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
6	RESERVED	R/W	0x0	Reserved
5	OUT_12_13_CLK_IN_SEL	R/W	0x1	OUT12_13 Input Clock Select. Selects the input clock which will be used to drive the output: 0 = VCO2, 1 = VCO3 ROM=Y, EEPROM=Y 0x0 = PLL2 0x1 = PLL3
4	OUT_12_13_CH_DIV_SR_MUX_CLK_SEL	R/W	0x0	OUT12_13 ChanDiv to SYSREF Clock Select. When set, the channel divider output is inverted before being fed to the SYSREF. ROM=Y, EEPROM=N
3:0	OUT_12_13_CH_MUX_SEL	R/W	0x3	OUT12_13 Input Clock Enable. Enables the selected clock to various inputs: [0] -> ChanDiv, [1] -> ChanDiv Retimer, [2] -> Div2 to OUT12, [3] -> Div2 to OUT13 ROM=Y, EEPROM=Y 0x0 = OFF 0x1 = SYSREF 0x3 = CHDIV 0x4 = DIV2->OUT12 0x5 = DIV2->OUT12, SYSREF->OUT13 0x7 = DIV2->OUT12, CHDIV->OUT13 0x8 = DIV2->OUT13 0x9 = SYSREF->OUT12, DIV2->OUT13 0xB = CHDIV->OUT12, DIV2->OUT13 0xC = DIV2->OUT12, DIV2->OUT13

1.620 R1223 Register (Offset = 0x4C7) [Reset = 0x00]Return to the [Summary Table](#).

表 1-622. R1223 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_12_13_CH_STATIC_OFFSET_11:8	R/W	0x0	See Register 1224

1.621 R1224 Register (Offset = 0x4C8) [Reset = 0x00]Return to the [Summary Table](#).

表 1-623. R1224 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_12_13_CH_STATIC_OFFSET	R/W	0x0	OUT_12_13_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.622 R1225 Register (Offset = 0x4C9) [Reset = 0x00]

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表 1-624. R1225 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_12_13_CH_DIV_11:8	R/W	0x0	See Register 1226

1.623 R1226 Register (Offset = 0x4CA) [Reset = 0x08]

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表 1-625. R1226 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_12_13_CH_DIV	R/W	0x8	OUT12_13 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.624 R1227 Register (Offset = 0x4CB) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-626. R1227 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_12_13_SR_ANA_D ELAY	R/W	0x0	OUT12_13 SYSREF Analog Delay. Specified here in multiples of one delay step duration. ROM=Y, EEPROM=N

1.625 R1228 Register (Offset = 0x4CC) [Reset = 0x05]

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表 1-627. R1228 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:6	RESERVED	R	0x0	Reserved
5	OUT_12_13_SR_ANA_D ELAY_DIV2_SEL	R/W	0x0	OUT12_13 SYSREF Analog Delay Div By 2 Select. Divides the incoming clock by 2 to double the delay step size. Useful for increasing analog delay range, given high incoming clock frequencies. ROM=Y, EEPROM=N
4	OUT_12_13_SR_ANA_D ELAY_EN	R/W	0x0	OUT12_13 SYSREF Analog Delay Enable. Enables the analog delay generator. Set to a 0 to save power if analog delay generator is not needed. ROM=Y, EEPROM=N

表 1-627. R1228 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
3	OUT_12_13_SR_ANA_DELAY_SMALL_STEP_EN	R/W	0x0	OUT12_13 SYSREF Analog Delay Small Step Enable. If set to 1, the analog delay generator will use both rising and falling edges of the incoming clock to halve delay step size. Useful for when large pre-divider values have been used. ROM=Y, EEPROM=N
2:0	OUT_12_13_SR_ANA_DELAY_RANGE	R/W	0x5	Analog delay range is set according to the period entering the SYSREF analog delay block. The period can be calculated as $(\text{OUT_x_y_SR_ANA_DELAY_DIV2_SEL} + 1) / (\text{OUT_x_y_SR_ANA_DELAY_SMALL_STEP_EN} + 1) / \text{VCO post divider frequency}$. Calculated range must fall between 333 ps and 1050 ps. ROM=Y, EEPROM=N 0x0 = Reserved 0x1 = Reserved 0x2 = 333 ps to 450 ps 0x3 = > 450 ps to 600 ps 0x4 = > 600 ps to 750 ps 0x5 = > 750 ps to 1050 ps 0x6 = Reserved 0x7 = Reserved

1.626 R1229 Register (Offset = 0x4CD) [Reset = 0x00]Return to the [Summary Table](#).

表 1-628. R1229 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4:0	OUT_12_13_SR_DDLY	R/W	0x0	OUT12_13 SYSREF Digital Delay Value. Measured in VCO half-cycles. ROM=Y, EEPROM=N

1.627 R1230 Register (Offset = 0x4CE) [Reset = 0x00]Return to the [Summary Table](#).

表 1-629. R1230 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_12_13_SR_DIV_19:16	R/W	0x0	See Register 1232

1.628 R1231 Register (Offset = 0x4CF) [Reset = 0x00]Return to the [Summary Table](#).

表 1-630. R1231 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_12_13_SR_DIV_15:8	R/W	0x0	See Register 1232

1.629 R1232 Register (Offset = 0x4D0) [Reset = 0xFA]Return to the [Summary Table](#).

表 1-631. R1232 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_12_13_SR_DIV	R/W	0xFA	OUT12_13 SYSREF Divide Value. ROM=Y, EEPROM=N

1.630 R1233 Register (Offset = 0x4D1) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-632. R1233 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6:0	OUT_12_13_SR_DIV_ST ATIC_OFFSET_14:8	R/W	0x0	See Register 1234

1.631 R1234 Register (Offset = 0x4D2) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-633. R1234 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_12_13_SR_DIV_ST ATIC_OFFSET	R/W	0x0	OUT_12_13_SR_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. ROM=Y, EEPROM=N

1.632 R1235 Register (Offset = 0x4D3) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-634. R1235 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_12_13_SR_REQ_M ODE	R/W	0x0	OUT12_13 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N
5:3	OUT_12_13_PULSE_CO UNT	R/W	0x0	OUT12_13 SYSREF Pulse Count. The number of SYSREF pulses which will be generated by a SYSREF request. ROM=Y, EEPROM=N
2	OUT_12_13_SR_GPIO_E N	R/W	0x0	Enables SYSREF to digital for SYSREF request resampling, continuous SYSREF, or 1-PPS GPIO output. ROM=Y, EEPROM=N
1:0	OUT_12_13_SR_MODE	R/W	0x0	OUT12_13 SYSREF Mode. When this bit is set, the SYSREF operates in Continuous Mode. When cleared, the SYSREF operates in PULSE MODE. ROM=Y, EEPROM=N 0x0 = None 0x1 = Continuous 0x2 = Pulser

1.633 R1236 Register (Offset = 0x4D4) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-635. R1236 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved

表 1-635. R1236 Register Field Descriptions (continued)

Bit	Field	Type	Reset	Description
6:5	RESERVED	R/W	0x0	Reserved
4	OUT_12_13_SR_CH_DIV_BYPASS	R/W	0x0	OUT12_13 cascaded SYSREF bypass mux. If set, bypasses OUT12_13 channel divider for the SYSREF input clock. This is useful for minimizing the step size of the digital delay adjustments on the SYSREF clock. ROM=Y, EEPROM=N
3:0	RESERVED	R/W	0x0	Reserved

1.634 R1248 Register (Offset = 0x4E0) [Reset = 0x4F]Return to the [Summary Table](#).

表 1-636. R1248 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_14_EN	R/W	0x1	OUT14 Enable. ROM=Y, EEPROM=Y
5:3	OUT_14_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT14 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_14_VOD	R/W	0x7	Controls the differential output voltage swing for OUT14 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.635 R1249 Register (Offset = 0x4E1) [Reset = 0x00]Return to the [Summary Table](#).

表 1-637. R1249 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	OUT_14_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
2:0	OUT_14_CONFIGURATION	R/W	0x0	OUT14 configuration. ROM=Y, EEPROM=Y and N 0x2 = Static DC 0x3 = CHDIV 0x4 = BYPASS

1.636 R1250 Register (Offset = 0x4E2) [Reset = 0x0F]Return to the [Summary Table](#).

表 1-638. R1250 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_14_CHAN_POL_SELECT	R/W	0x0	OUT14 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
6:5	OUT_14_CLK_MUX	R/W	0x0	OUT14 Input Clock Select. Selects the input clock which will be used to drive the output. ROM=Y, EEPROM=Y 0x0 = VCO3 0x1 = VCO2 0x2 = VCO1_PRI
4	RESERVED	R/W	0x0	Reserved
3	OUT_14_DIV_EN	R/W	0x1	OUT14 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y
2:0	OUT_14_CH_MUX_SEL	R/W	0x7	OUT14 Clock Enable. Bit 2, if set, passes the selected clock (VCO3 or VCO1P), to the second stage of clock selection. Bit 1 and Bit0 enable the selected clock to drive the channel divider and the channel divider retimer respectively. ROM=Y, EEPROM=Y 0x0 = PLL2->BYPASS 0x3 = PLL2->CHDIV 0x4 = PLL1,3->BYPASS 0x7 = PLL1,3->CHDIV

1.637 R1251 Register (Offset = 0x4E3) [Reset = 0x08]

Return to the [Summary Table](#).

表 1-639. R1251 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	OUT_14_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
3	OUT_14_SYNC_EN	R/W	0x1	OUT14 ChanDiv Sync Enable. Enables synchronization of chandiv dividers for OUT14. ROM=Y, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.638 R1252 Register (Offset = 0x4E4) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-640. R1252 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_14_CH_STATIC_OFFSET_11:8	R/W	0x0	See Register 1253

1.639 R1253 Register (Offset = 0x4E5) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-641. R1253 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_14_CH_STATIC_OF FSET	R/W	0x0	OUT_14_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.640 R1254 Register (Offset = 0x4E6) [Reset = 0x00]Return to the [Summary Table](#).

表 1-642. R1254 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_14_CH_DIV_11:8	R/W	0x0	See Register 1255

1.641 R1255 Register (Offset = 0x4E7) [Reset = 0x19]Return to the [Summary Table](#).

表 1-643. R1255 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_14_CH_DIV	R/W	0x19	OUT14 ChanDiv Divide Value. ROM=Y, EEPROM=Y

1.642 R1280 Register (Offset = 0x500) [Reset = 0x4F]Return to the [Summary Table](#).

表 1-644. R1280 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	RESERVED	R	0x0	Reserved
6	OUT_15_EN	R/W	0x1	OUT15 Enable. ROM=Y, EEPROM=Y
5:3	OUT_15_VCM	R/W	0x1	Controls the differential output common mode voltage for OUT15 ROM=Y, EEPROM=Y 0x0 = Reserved 0x1 = Setting 1 0x2 = Setting 2 0x3 = Reserved 0x4 = Setting 3 0x5 = Reserved 0x6 = Setting 2+3 0x7 = Reserved
2:0	OUT_15_VOD	R/W	0x7	Controls the differential output voltage swing for OUT15 ROM=Y, EEPROM=Y 0x0 = 400 mV 0x1 = 500 mV 0x2 = 600 mV 0x3 = 700 mV 0x4 = 800 mV 0x5 = 900 mV 0x6 = 1000 mV 0x7 = HCSL (750 mV)

1.643 R1281 Register (Offset = 0x501) [Reset = 0x00]Return to the [Summary Table](#).

表 1-645. R1281 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3	OUT_15_CAP_EN	R/W	0x0	ROM=Y, EEPROM=N
2:0	OUT_15_CONFIGURATI ON	R/W	0x0	OUT15 configuration. ROM=Y, EEPROM=Y and N 0x2 = Static DC 0x3 = CHDIV 0x4 = BYPASS

1.644 R1282 Register (Offset = 0x502) [Reset = 0x0F]

Return to the [Summary Table](#).

表 1-646. R1282 Register Field Descriptions

Bit	Field	Type	Reset	Description
7	OUT_15_CHAN_POL_SE L	R/W	0x0	OUT15 ChanDiv Polarity Select. When cleared, this bit inverts the polarity of the input to the channel divider. ROM=Y, EEPROM=N
6:5	OUT_15_CLK_MUX	R/W	0x0	OUT15 Input Clock Select. Selects the input clock which will be used to drive the output. ROM=Y, EEPROM=Y 0x0 = VCO3 0x1 = VCO2 0x2 = VCO1_PRI
4	RESERVED	R/W	0x0	Reserved
3	OUT_15_DIV_EN	R/W	0x1	OUT15 ChanDiv Enable. Enables the channel divider. Note: SYSREF/chandiv mode must be configured separately. ROM=Y, EEPROM=Y
2:0	OUT_15_CH_MUX_SEL	R/W	0x7	OUT15 Clock Enable. Bit 2, if set, passes the selected VCO1 clock (VCO1P or VCO1S), to the second stage of clock selection. Bit 1 and Bit0 enable the selected clock to drive the channel divider and the channel divider retimer respectively. ROM=Y, EEPROM=Y 0x0 = PLL2->BYPASS 0x3 = PLL2->CHDIV 0x4 = PLL1,3->BYPASS 0x7 = PLL1,3->CHDIV

1.645 R1283 Register (Offset = 0x503) [Reset = 0x08]

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表 1-647. R1283 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:5	RESERVED	R	0x0	Reserved
4	OUT_15_MUTE_EN	R/W	0x0	Mute enable. ROM=Y, EEPROM=N
3	OUT_15_SYNC_EN	R/W	0x1	OUT15 ChanDiv Sync Enable. Enables synchronization of chandiv dividers for OUT15. ROM=Y, EEPROM=N
2:0	RESERVED	R/W	0x0	Reserved

1.646 R1284 Register (Offset = 0x504) [Reset = 0x00]

Return to the [Summary Table](#).

表 1-648. R1284 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_15_CH_STATIC_OF FSET_11:8	R/W	0x0	See Register 1285

1.647 R1285 Register (Offset = 0x505) [Reset = 0x00]

 Return to the [Summary Table](#).

表 1-649. R1285 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_15_CH_STATIC_OF FSET	R/W	0x0	OUT_15_CH_DIV static digital delay value. Delays divider start by specified number of full clock cycles of divider input. This results in specified digital delay upon divider synchronization. Lower 8 bits are stored in EEPROM. ROM=Y, EEPROM=Y

1.648 R1286 Register (Offset = 0x506) [Reset = 0x00]

 Return to the [Summary Table](#).

表 1-650. R1286 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:4	RESERVED	R	0x0	Reserved
3:0	OUT_15_CH_DIV_11:8	R/W	0x0	See Register 1287

1.649 R1287 Register (Offset = 0x507) [Reset = 0x19]

 Return to the [Summary Table](#).

表 1-651. R1287 Register Field Descriptions

Bit	Field	Type	Reset	Description
7:0	OUT_15_CH_DIV	R/W	0x19	OUT15 ChanDiv Divide Value. ROM=Y, EEPROM=Y

2 修订历史记录

注：以前版本的页码可能与当前版本的页码不同

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