

Bill of Materials

TI DESIGNS

ITEM	QTY	REFERENCE DESIGNATOR	VALUE	DESCRIPTION	SIZE	MANUFACTURER	MANUFACTURER PART NUMBER
1	4	C1,C2,C4,C5	18pF	CAP CER 18PF 50V 5% NP0 0402	CAP_0402	TDK	C1005C0G1H180J050BA
2	8	C3,C64,C65,C66,C78,C126, C130,C265	1.0uF	CAP CER 1UF 16V 10% X5R 0402	CAP_0402	TDK	C1005X5R1C105K050BC
3	191	C6,C7,C8,C9,C10,C11,C12, C13,C16,C17,C18,C19,C20, C21,C22,C23,C24,C25,C26, C27,C28,C29,C30,C31,C32, C33,C34,C35,C36,C38,C39, C40,C41,C42,C43,C44,C45, C46,C47,C48,C49,C50,C51, C53,C54,C55,C56,C57,C58, C59,C60,C61,C62,C63,C67, C68,C71,C72,C73,C74,C75, C76,C77,C79,C80,C81,C82, C83,C84,C85,C86,C87,C88, C89,C90,C91,C93,C94,C95, C96,C98,C101,C102,C103, C104,C105,C106,C107,C108, C110,C121,C122,C151,C152, C153,C154,C155,C156,C157, C158,C161,C166,C167,C168, C169,C170,C171,C172,C173, C174,C175,C176,C177,C179, C180,C183,C184,C185,C186, C187,C188,C189,C190,C191, C192,C193,C195,C196,C197, C198,C199,C200,C205,C206, C207,C208,C209,C210,C211, C212,C213,C214,C215,C216, C217,C218,C219,C220,C221, C223,C224,C225,C226,C227, C228,C229,C230,C231,C232, C233,C234,C235,C236,C237, C238,C239,C240,C241,C242, C243,C244,C245,C246,C248, C249,C251,C252,C253,C254, C255,C256,C279,C299,C320, C323,C337,C340,C343,C344, C350,C351	0.1 uF	CAP CER 0.1UF 10V 10% X7R 0402	CAP_0402	KEMET	C0402C104K8RACTU
4	33	C14,C15,C37,C52,C69,C70, C92,C100,C120,C164,C165, C178,C194,C202,C203,C204, C222,C247,C250,C275,C276, C277,C280,C281,C282,C283, C284,C285,C286,C287,C288, C345,C352	10 uF	CAP CER 10UF 10V 10% X7R 0805	CAP_0805	MURATA	GRM21BR71A106KE51L
5	1	C97	1000pF	CAP CER 1000PF 16V 10% X7R 0402	CAP_0402	Yageo	CC0402KRX7R7BB102
6	3	C99,C289,C290	2.2uF	CAP CER 2.2UF 6.3V 10% X5R 0402	CAP_0402	TDK	C1005X5R0J225K050BC
7	1	C109	470pF	CAP CER 470PF 50V 10% X7R 0402	CAP_0402	Murata	GRM155R71H471KA01D
8	4	C111,C112,C113,C114	15pF,DNI	CAP CER 15PF 50V 5% NP0 0402	CAP_0402	KEMET	C0402C150J5GACTU
9	1	C115	0.022uF	CAP CER 0.022UF 16V 10% X5R 0402	CAP_0402	TDK	C1005X5R1C223K050BA

10	2	C116,C117	30pF	CAP CER 30PF 50V 5% NP0 0402	CAP_0402	KEMET	C0402C300J5GACTU
11	15	C118,C123,C127,C128,C129, C131,C133,C134,C135,C139, C140,C141,C142,C258,C259	0.1uF	CAP CERAMIC .1UF 25V X5R 0402	CAP_0402	TDK	C1005X5R1E104K050BC
12	13	C119,C267,C269,C291,C292, C295,C296,C305,C313,C322, C325,C335,C341	10 uF	CAP CER 10UF 25V 20% X7R 1210	CAP_1210	TDK	C3225X7R1E106M
13	2	C124,C125	47uF	CAP CER 47UF 16V 20% X5R 1206	CAP_1206	TDK	C3216X5R1C476M160AB
14	5	C132,C136,C137,C143,C278	4.7uF	CAP CERAMIC 4.7UF 10V X5R 0603	CAP_0603	TDK	CGB3B1X5R1A475K055AC
15	2	C138,C144	33pF	CAP CER 33PF 50V 5% NP0 0402	CAP_0402	TDK	C1005C0G1H330J050BA
16	5	C145,C146,C147,C149,C150	0.1uF	CAP CERAMIC .1UF 16V X5R 0402	CAP_0402	TDK	CC0402KRX5R7BB104
17	3	C148,C301,C338	2.2 uF	CAP CER 2.2UF 10V 10% X7R 0603	CAP_0603	MURATA	GRM188R71A225KE15D
18	7	C159,C162,C266,C293,C303, C315,C327	22 uF	CAP CER 22UF 16V 10% X5R 1210	CAP_1210	MURATA	GRM32ER61C226KE20L
19	5	C160,C163,C264,C304,C316	10 nF	CAP CER 10000PF 16V 10% X7R 0402	CAP_0402	TDK	C1005X7R1C103K
20	2	C181,C201	0.001 uF	CAP CER 1000PF 50V 10% X7R 0402	CAP_0402	AVX	04025C102KAT2A
21	2	C182,C257	100 uF	CAP CER 100UF 6.3V 20% X5R 1206	CAP_1206	MURATA	GRM31CR60J107ME39L
22	2	C260,C261	100 uF	CAP ALUM 100UF 35V 20% SMD	CAP-FK-V-CASEE_PAN	PANASONIC	EEE-FK1V101XP
23	2	C262,C263	10 pF	CAP CER 10PF 50V 5% NP0 0402	CAP_0402	KEMET	C0402C100J5GACTU
24	2	C268,C270	22 uF	CAP CER 22UF 10V 10% X5R 0805	CAP_0805	TDK	C2012X5R1A226K125AB
25	2	C271,C273	0.1uF	CAP CER 0.1UF 10V 10% X7R 0402	CAP_0402	KEMET	C0402C104K8RACTU
26	2	C272,C274	3.3 nF	CAP CER 3300PF 50V 10% X7R 0402	CAP_0402	TDK	C1005X7R1H332K050BA
27	7	C294,C298,C300,C308,C309, C317,C318	4.7 nF	CAP CER 4700PF 25V 10% X7R 0402	CAP_0402	MURATA	GRM155R71E472KA01D
28	4	C297,C307,C311,C314	47 nF	CAP CER 0.047UF 16V 10% X7R 0402	CAP_0402	TDK	C1005X7R1C473K
29	3	C302,C310,C319	100 pF	CAP CER 100PF 50V 5% NP0 0402	CAP_0402	TDK	C1005C0G1H101J
30	7	C306,C312,C328,C346,C347, C348,C349	0.1 uF	CAP CER 0.1UF 25V 10% X7R 0603	CAP_0603	TDK	C1608X7R1E104K080AA
31	1	C321	3.3 uF	CAP CER 3.3UF 25V 10% X7R 1206	CAP_1206	TDK	C3216X7R1E335K160AC
32	4	C324,C331,C332,C334	1 uF	CAP CER 1UF 35V 10% X5R 0603	CAP_0603	TDK	C1608X5R1V105K080AB
33	1	C326	6.2 PF	CAP CER 6.2PF 50V NP0 0402	CAP_0402	Murata	GJM1555C1H6R2CB01D
34	1	C329	1000PF	CAP CER 1000PF 50V 10% X7R 0805	CAP_0805	KEMET	C0805C102K5RACTU
35	4	C330,C333,C336,C342	0.1 uF	CAP CER 0.1UF 50V 10% X7R 0805	CAP_0805	AVX	08055C104KAT2A
36	1	C339	0.22 uF	CAP CER 0.22UF 25V 10% X8R 0805	CAP_0805	TDK	C2012X8R1E224K
37	2	DN1,DN2	BAT54SW,115	DIODE SCHOTTKY 30V 200MA SC70	SC70	NXP Semiconductors	BAT54SW,115
38	3	D1,D2,D10	LTST-C191TBKT	LED 468NM BLUE CLEAR 0603 SMD	LED_0603	Lite-On	LTST-C191TBKT
39	2	D3,D8	LTST-C191GKT	LED GREEN CLEAR THIN 0603 SMD	LED_0603	Lite-On	LTST-C191GKT
40	2	D4,D7	LTST-C190CKT	LED RED CLEAR 0603 SMD	LED_0603	Lite-On	LTST-C190CKT
41	1	D5	SK42BL-TP	DIODE SCHOTTKY 20V 4A DO214AA	DO214AA	Micro Commercial Co	SK42BL-TP
42	1	D6	SMAJ14A	DIODE TVS 14V 400W UNI 5% SMA	DO-214AC_SMA	Littelfuse Inc	SMAJ14A
43	2	D9,D11	STPS0560Z	DIODE SCHOTTKY 60V 0.5A SOD123	SOD_123	STMicroelectronics	STPS0560Z
44	1	D12	DZ2J033MOL	DIODE ZENER 3.3V 200MW SMINI2	SC-90_SOD-323F	PANASONIC	DZ2J033MOL
45	2	FB1,FB2	LI0805H151R-10	FERRITE 800MA 150 OHM 0805 SMD	FTBD-0805	Laird Technologies	LI0805H151R-10
46	5	FB3,FB4,FB5,FB6,FB8	MI0603J680R-10	FERRITE 1A 68 OHM 0603 SMD	FLTR_0603	Laird Technologies	MI0603J680R-10
47	1	FB7	80 OHM	FERRITE CHIP POWER 80 OHM SMD	FLTR_0805	Laird Technologies	HI0805R800R-10
48	1	J1	68000-406HLF	CONN HEADER 6POS .100 STR TIN	SIP6	FCI	68000-406HLF
49	2	J2,J8	1734035-2	CONN MINI USB RCPT RA TYPE B SMD	USB-MINI-RA	TE Connectivity	1734035-2
50	1	J3	874381043	CONN HEADER 10POS 1.5MM R/A SMD	CONN_10_RA_SMT	Molex	874381043
51	2	J4,J5	929850-01-06-RA	CONN RECEPT .100 SNGL STR 06POS	CON_RECEPT_6PIN	3M	929850-01-06-RA
52	2	J6,J7	929850-01-04-RA	CONN RECEPT .100 SNGL STR 4POS	CON_RECEPT_4PIN	3M	929850-01-04-RA
53	1	J9	067298-3090	CONN RCPT USB A STACKED PCB R/A Through-Hole	CONN_USB_A_STCKD_R	MOLEX	672983090
54	4	J10,J12,J14,J16	951103-8622-AR	CONN HEADER 3POS 2MM VERT T/H	HDR_3PIN_2MM	3M	951103-8622-AR
55	1	J11	874380442	CONN HEADER 4POS 1.5MM R/A SMD	CONN_4_RA_SMT	Molex	874380442
56	3	J13,J18,J19	951102-8622-AR	CONN HEADER 2POS 2MM VERT T/H	HDR_2PIN_2MM	3M	951102-8622-AR
57	1	J15	874380542	CONN HEADER 5POS 1.5MM R/A SMD	CONN_5_RA_SMT	Molex	874380542
58	1	J17	53261-0471	CONN HEADER 4POS 1.25MM R/A SMD	CONN_4	Molex	53261-0471
59	1	J20	53261-0671	CONN HEADER 6POS 1.25MM R/A SMD	CONN_6	Molex	53261-0671
60	1	J21	RAPC712X	CONN POWER JACK 3POS 2.50MM MALE RT TH	CONN_PWRJACK	Switchcraft	RAPC712X
61	1	J22	53261-0371	CONN HEADER 3POS 1.25MM R/A SMD	CONN_3	Molex	53261-0371
62	1	J23	ERM5-040-02.0-L-DV-K-TR	CONN RUGGED HIGH SPEED HEADER 40 POS DU	CONN_ERM5-040-02	SAMTEC	ERM5-040-02.0-L-DV-K-TR
63	1	J24	7499010211A	CON MAGJACK 1PORT 100 BASE-T	RJ45-7499010211A	Würth	7499010211A
64	2	L1,L2	2.2 uH	INDUCTOR, SHIELDED POWER, XFL4020	XFL4020	Coilcraft	XFL4020-222MEB
65	3	L3,L4,L5	LQM2HPN2R2MG0L	INDUCTOR 2.2UH 20% 1300MA 1008	2520	MURATA	LQM2HPN2R2MG0L
66	3	L6,L7,L8	4.7 uH	INDUCTOR POWER 4.7UH SMD	SRR1005	BOURNS	SRR1005-4R7M
67	1	L9	22 uH	INDUCTOR, SHIELDED POWER, DT1608C	DT1608C	Coilcraft	DT1608C-223
68	4	MTG1,MTG2,MTG3,MTG4	MHOLE		MTGH200C125D_PL		

69	1	P1	FTR-110-03-G-D-06,DNI	CON DUAL INLINE HEADER 10x2 PIN	HEADER10X2_SMD	SAMTEC	FTR-110-03-G-D-06
70	1	P2	SCHA5B0200	CONN MICRO SD CARD SOCKET	SD-MICRO-SCHA5B0300	OMRON	SCHA5B0200
71	1	Q1	DMC56404	TRANS PREBIAS DUAL NPN SMINI6	SMini6-F3-B	Toshiba	DMC564040R
72	1	Q2	MMBT6427	TRANS DARL NPN 40V SMD SOT23-3	SOT23A	Diodes Inc	MMBT6427-7-F
73	9	Q3,Q4,Q5,Q10,Q12,Q13,Q14, Q15,Q16	2N2222A	TRANSISTOR GP NPN AMP SOT-23	SOT23A	Fairchild	MMBT2222A
74	1	Q6	DMP2160UW-7	MOSFET P-CH 20V 1.5A SOT-323	SOT323	Diodes Inc	DMP2160UW-7
75	3	Q7,Q9,Q11	MMBT2907A	TRANS PNP 60V 300MW SMD SOT23-3	SOT23-3_FC	Diodes	MMBT2907A-7-F
76	1	Q8	FDV303N	MOSFET N-CH 25V 680MA SOT-23	SOT-23	Fairchild	FDV303N
77	6	RP1,RP2,RP3,RP4,RP5,RP6	22	RES ARRAY 22 OHM 4 RES 0804	0804_2010_Metric	Yageo	YC124-JR-0722RL
78	38	R1,R21,R23,R33,R34,R35, R59,R61,R63,R64,R65,R66, R67,R68,R69,R70,R71,R72, R73,R74,R78,R79,R80,R81, R99,R108,R109,R110,R111, R112,R113,R114,R115,R116, R117,R118,R128,R130	10K	RES 10.0K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1002X
79	2	R2,R194	1M	RES 1M OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1004X
80	15	R3,R7,R16,R17,R18,R19, R20,R87,R105,R145,R146, R210,R211,R212,R213	0	RES 0.0 OHM 1/10W JUMP 0402 SMD	RES_0402	PANASONIC	ERJ-2GE0R00X
81	5	R4,R82,R83,R84,R85	49.9	RES 49.9 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF49R9X
82	4	R5,R6,R8,R9	4.75K	RES 4.75K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	P4.75KLCT-ND
83	3	R10,R12,R13	100	RES 100 OHM 1/16W 1% 0402 SMD	RES_0402	ROHM	MCR01MRTF1000
84	1	R11	33	RES 33 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF33R0X
85	32	R14,R39,R41,R42,R43,R44, R45,R46,R47,R48,R49,R53, R54,R57,R58,R119,R120, R121,R122,R123,R125,R126, R127,R129,R132,R133,R134, R135,R178,R209,R218,R291	100K	RES 100K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1003X
86	1	R15	22	RES 22 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF22R0X
87	13	R22,R24,R25,R26,R27,R28, R29,R30,R31,R32,R36,R37, R208	10K,1%,DNI	RES 10K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1002X
88	11	R38,R88,R89,R91,R92,R94, R95,R96,R98,R101,R102	100	RES 100 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1000X
89	5	R40,R50,R51,R52,R290	100K,1%,DNI	RES 100K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1003X
90	4	R55,R56,R188,R215	4.7K	RES 4.75KOHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ472X
91	7	R60,R75,R76,R77,R86,R206, R207	1.5K	RES 1.5K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1501X
92	1	R62	240	RES 240 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF2400X
93	1	R90	10,1%,DNI	RES 10 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF10R0X
94	2	R93,R97	470	RES 470 OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ471X
95	1	R100	0.1	RES .10 OHM 1/8W 5% 0805	RES_0805	CTS	73L3R10J
96	2	R103,R214	0,DNI	RES 0.0 OHM 1/10W JUMP 0402 SMD	RES_0402	PANASONIC	ERJ-2GE0R00X
97	1	R104	1M,1%,DNI	RES 1M OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1004X
98	1	R106	10	RES 10 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF10R0X
99	1	R107	12.1K	RES 12.1K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1212X
100	1	R124	330	RES 330 OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ331X
101	6	R131,R172,R173,R174,R200, R202	100K	RES 100K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ104X
102	1	R136	12.0K	RES 12.0K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1202X
103	1	R137	1M	RES 1M OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ105X
104	8	R138,R139,R140,R141,R142, R143,R144,R166	100K	RES 100K OHM 1/20W 5% 0201 SMD	RES_0201	ROHM	MCR006YZPJ104
105	16	R147,R148,R149,R150,R151, R152,R168,R179,R180,R181, R182,R183,R184,R186,R189, R199	10K	RES 10K OHM 1/20W 5% 0201 SMD	RES_0201	ROHM	MCR006YZPJ103
106	6	R153,R154,R155,R156,R187, R292	33.2	RES 33.2 OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF33R2X
107	1	R157	0, DNI	RES 0.0 OHM 1/10W JUMP 0603 SMD	RES_0603	PANASONIC	ERJ-3GEY0R00V
108	1	R158	0	RES 0.0 OHM 1/10W JUMP 0603 SMD	RES_0603	PANASONIC	ERJ-3GEY0R00V
109	8	R159,R160,R161,R162,R163, R167,R171,R196	1K	RES 1K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ102X

110	2	R164,R165	330	RES 330 OHM 1/20W 5% 0201 SMD	RES_0201	PANASONIC	ERJ-1GEJ331C
111	6	R169,R170,R175,R192,R248,R249	3.3K	RES 3.3K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ332X
112	3	R176,R197,R198	1.5K	RES 1.5K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ152X
113	1	R177	10K, DNI	RES 10K OHM 1/20W 5% 0201 SMD	RES_0201	ROHM	MCR006YZPJ103
114	13	R185,R193,R216,R221,R226,R228,R233,R235,R242,R244,	10K	RES 10K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ103X
		R246,R251,R254					
115	2	R190,R191	2.4K	RES 2.4K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ242X
116	1	R195	100	RES 100 OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ101X
117	1	R201	680K	RES 680K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF6803X
118	1	R203	750K	RES 750K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF7503X
119	1	R204	130K	RES 130K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1303X
120	1	R205	240K	RES 240K OHM 1/10W 1% 0402 SMDr	RES_0402	PANASONIC	ERJ-2RKF2403X
121	3	R217,R222,R227	40.2K	RES 40.2K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF4022X
122	3	R219,R224,R230	20K	RES 20K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ203X
123	1	R220	80.6K	RES 80.6K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF8062X
124	2	R223,R229	150K	RES 150K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF1503X
125	1	R225	29.4K	RES 29.4K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF2942X
126	1	R231	7.68K	RES 7.68K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF7681X
127	1	R232	383K	RES 383K OHM 1/10W 1% 0402 SMD	RES_0402	PANASONIC	ERJ-2RKF3833X
128	1	R234	360K	RES 360K OHM 1/10W 5% 0603 SMD	RES_0603	PANASONIC	ERJ-3GEYJ364V
129	1	R236	15K	RES 15K OHM 1/10W 1% 0603 SMD	RES_0603	PANASONIC	ERJ-3EKF1502V
130	2	R237,R241	56.0K	RES 56K OHM 1/10W 1% 0603 SMD	RES_0603	PANASONIC	ERJ-3EKF5602V
131	1	R238	75K	RES 75K OHM 1/10W 5% 0603 SMD	RES_0603	PANASONIC	ERJ-3GEYJ753V
132	1	R239	620K	RES 620K OHM 1/10W 5% 0603 SMD	RES_0603	PANASONIC	ERJ-3GEYJ624V
133	1	R240	680K	RES 680K OHM 1/10W 1% 0603 SMD	RES_0603	PANASONIC	ERJ-3EKF6803V
134	1	R243	2.2K	RES 2.2K OHM 1/10W 5% 0603 SMD	RES_0603	PANASONIC	ERJ-3GEYJ222V
135	3	R245,R247,R253	12	RES 12 OHM 1/10W 5% 0603 SMD	RES_0603	PANASONIC	ERJ-3GEYJ120V
136	1	R250	2.2K	RES 2.2K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ222X
137	1	R252	33K	RES 33K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ333X
138	28	R255,R256,R257,R258,R259,R260,R261,R262,R263,R264,R265,R266,R267,R268,R269,R270,R271,R272,R273,R274,R275,R276,R277,R278,R279,	5.1	RES 5.1 OHM 1/20W 5% 0201 SMD	RES_0201	PANASONIC	ERJ-1GEJ5R1C
		R280,R281,R283					
139	1	R282	30K	RES 30K OHM 1/10W 5% 0402 SMD	RES_0402	PANASONIC	ERJ-2GEJ303X
140	5	R284,R285,R286,R287,R288	20	RES 20 OHM 1/20W 5% 0201 SMD	RES_0201	PANASONIC	ERJ-1GEF20R0C
141	1	R289	160	RES 160 OHM 1/16W 1% 0402 SMD	RES_0402	VISHAY/DALE	CRCW0402160RFKED
142	2	S1,S2	KMR231GLFS	SWITCH TACTILE SPST-NO 0.05A 32V	SW4SMD_63X161LS	C&K	KMR231GLFS
143	34	TP1,TP2,TP3,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24,TP25,TP26,TP27,TP28,TP29,TP30,TP31,TP32,TP33,TP34,TP35,TP36,TP37,TP38	Testpoint	Test point	TP		
144	1	U1	AM3358BZCZ100	SubArctic Cortex A8 Processor 15x15	am33xx_15x15	Texas Instruments	AM3358BZCZ100
145	1	U2	SN74LVC1G06DCK	IC INVERTER SINGLE 1INPUT SC705	SC705	Texas Instruments	SN74LVC1G06DCKR
146	1	U3	SN74LVC2G241DCUT	IC BUFF/DVR TRI-ST DL US8	DCU	Texas Instruments	SN74LVC2G241DCUT
147	1	U4	TPD4S012DRYR	IC 4CH ESD SOLUTION W/CLAMP 6SO	6-SON	Texas Instruments	TPD4S012DRYR
148	1	U5	MT41K256M16HA -125:E	IC DDR3 4G 256MX16 FBGA	BGA96_T9_P8_9X14	Micron	MT41K256M16HA-125:E
149	1	U6	MTFC2GMVEA-QM WT	IC MEMORY, 2GB eMMC	GA153_P14_P5_11P5X1	Micron	MTFC2GMVEA-QM WT
150	1	U7	LAN8710A-EZC	TXRX ETHERNET 10/100 MII/RMII	QFN32	Microchip	LAN8710A-EZC
151	1	U8	24LC32AFT-I/OT	IC EEPROM 32KBIT 400KHZ SOT23-5	SOT23-5	Microchip	24LC32AFT-I/OT
152	1	U9	TPS2052D	IC DAUL POWER DIST SW 8-SOIC, SO-8	SO8	Texas Instruments	TPS2052D
153	1	U10	74LVC1G17DCK	IC SNGL SCHM-TRG GATE SC70-5	SC70-5	Texas Instruments	SN74LVC1G17DCK
154	1	U11	USB2524-ABZJ	USB2524, 2-to-4 Port USB 2.0 Switching Hub, QF	56-PIN_QFN	SMSC	USB2524-ABZJ
155	3	U12,U13,U14	TPD4S012DRY	IC 4CH ESD SOLUTION W/CLAMP 6SON	TL_DRY_6SON	Texas Instruments	TPD4S012DRY
156	1	U15	DLPC350ZFF		BGA_419	Texas Instruments	DLPC350ZFF
157	2	U16,U17	SN74LVC1G17DBV	IC BUFFER SCHMIT TRIG SOT23-5	TL_DBV	Texas Instruments	SN74LVC1G17DBV
158	1	U18	TPS79733DCKT	IC REG LDO 3.3V 50MA SC70-5	TL_DCK	Texas Instruments	TPS79733DCKT
159	1	U19	SN74AVC2T45DCU	IC BUS TRANSCVR TRI-ST 2B US8	DCU	Texas Instruments	SN74AVC2T45DCU
160	2	U20,U21	M29W128GL70N6F	IC FLASH 128MBIT 70NS 56TSOP	TSOP-56	MICRON	M29W128GL70N6F
161	1	U22	TPD2E001DZD	IC ESD-PROT ARRAY 2CH 4SOP	SOP_4	Texas Instruments	TPD2E001DZD

162	1	U23	SN74LVC1G125DBVR	IC BUS BUFF TRI-ST N-INV SOT23-5	SOT23-DBV_TI	Texas Instruments	SN74LVC1G125DBVR
163	2	U24,U25	TLV62130RGT	IC REG BUCK SYNC ADJ 3A 16QFN	RGT	Texas Instruments	TLV62130RGT
164	1	U26	TPS65217CRSLR	IC PMIC BATT PWR SYST 48VQFN	48VQFN	Texas Instruments	TPS65217CRSLR
165	1	U27	TPS65251RHAR	IC REG BUCK SYNC ADJ TRPL 40VQFN	QFN_40	Texas Instruments	TPS65251RHAR
166	1	U28	TPS79718DCKT	IC REG LDO 1.8V 50MA SC70-5	TI_DCK	Texas Instruments	TPS79718DCKT
167	1	U29	TL7712ACD	IC SUPPLY VOLT SUPERVISOR 8-SOIC	8-SOIC	Texas Instruments	TL7712ACD
168	1	U30	SN74HC21PWR	IC DUAL 4-IN POS-ANDGATE 14TSSOP	14-SOIC	Texas Instruments	SN74HC21PWR
169	1	U31	SN74AHC1G09DBVR	IC GATE AND SGL 2INP SOT23-5	TI_DBV	Texas Instruments	SN74AHC1G09DBV
170	1	U32	TPS65145PWP	IC LCD SUPPLY TFT QUAD 24HTSSOP	SOIC24-PWP_TI	Texas Instruments	TPS65145PWP
171	1	U33	TPS73025DBV	IC REG LDO 2.5V 0.2A SOT23-5	TI_DBV	Texas Instruments	TPS73025DBVR
172	1	U34	SN74LVC1G07DBVR	IC BUFF/DVR NON-INVERT SOT23-5	SOT23-DBV_TI	Texas Instruments	SN74LVC1G07DBVR
173	1	U35	TMP102AIDRLR	IC DGTL TEMP SENSOR LP SOT-563	SOT-563	Texas Instruments	TMP102AIDRLR
174	1	Y1	32.768KHz MC-306	Crystal 32.768KHz	XTAL4_126-216SMD	Citizen	CM200C-32.768KAZFT
175	1	Y2	24MHz	Crystal 24MHz	XTAL150SMD_125X196	TXC Corporation	7A-24.000MAAJ-T
176	1	Y3	25.000MHz	CRYSTAL 25MHZ 18PF SMD	XTAL150SMD_125X196	TXC CORPORATION	7A-25.000MAAJ-T
177	1	Y4	24MHz	CRYSTAL 24MHZ 18PF SMD	CRYSTAL_HCM49	Citizen	HCM49-24.000MABJ-UT
178	1	Y5	32.0 MHZ	CRYSTAL 32MHZ 8PF SMD	3_2mm_2_5mm	NDK	NX3225SA-32.000000MHZ

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