

Bill of Materials

AM572x GP EVM, Processor Module

Item	Qty	Description	Manufacturer	Part Number	Reference Designator
1	1	PCB,AM572x GP EVM PROCESSOR BOARD	GENR	TI_AM572x_PM_RevA3	
2	3	0805,0.1UF,25V,X7R,10%	AVX	08053C104KAT2A	C1,C7,C401
3	8	0402,0.01UF,16V,X7R,10%	AVX	0402YC103KAT2A	C416,C417,C418,C420,C454,C455,C456,C457
4	8	2312,100UF,10V,10%	AVX	TPSC107K010R0150	C2,C8,C9,C403,C404,C406,C411,C413
5	7	1210,4.7UF,50V,X7R,10%	MURATA	GRM32ER71H475KA88L	C3,C14,C402,C438,C439,C440,C445
6	3	0201,8200PF,10V,X5R,10%	AVX	0201ZD822KAT2A	C4,C13,C408
7	2	0402,22PF,50V,C0G/NP0,5%	MURATA	GRM1555C1H220JZ01D	C5,C409
8	8	0402,1000PF,50V,X7R,10%	KEMET	C0402C102K5RACTU	C6,C197,C237,C245,C390,C391,C410,C429
9	3	0805,220PF,50V,X7R,10%	YAGEO	CC0805KRX7R9BB221	C10,C109,C112
10	1	0805,820PF,50V,X7R,10%	YAGEO	CC0805KRX7R9BB821	C11
11	1	0402,470PF,50V,X7R,10%	MURATA	GRM155R71H471KA01D	C443
12	1	0805,15PF,50V,C0G/NP0,5%	YAGEO	CC0805JRN09BN150	C12
13	73	0402,0.1UF,16V,Y5V,-20/+80%	TAIYO_YUDEN	EMK105F104ZV-F	C15,C16,C30,C81,C94,C97,C99,C104,C105,C108,C110,C111,C446,C207,C209,C211,C213,C215,C216,C447,C222,C224,C225,C228,C230,C231,C239,C241,C242,C244,C247,C248,C252,C253,C258,C259,C262,C263,C264,C270,C272,C274,C334,C388,C392,C398,C399,C405,C407,C412,C414,C415,C419,C422,C423,C424,C425,C426,C427,C428,C430,C433,C434,C441,C448,C449,C450,C451,C478,C472,C473,C474,C475
14	21	0402,2.2UF,6.3V,X5R,10%	AVX	04026D225KAT2A	C17,C18,C19,C20,C21,C22,C24,C25,C26,C27,C28,C29,C63,C80,C92,C246,C255,C256,C267,C496,C500
15	44	0603,10UF,6.3V,X5R,20%	TAIYO_YUDEN	JMK107ABJ106MAHT	C23,C50,C53,C54,C113,C122,C130,C131,C189,C190,C202,C208,C210,C212,C223,C226,C227,C238,C249,C254,C257,C271,C295,C312,C327,C341,C350,C361,C369,C387,C389,C393,C394,C395,C396,C397,C431,C432,C436,C437,C442,C481,C494,C497
16	2	0402,10PF,50V,C0G/NP0,5%	MURATA	GRM1555C1H100JZ01D	C31,C32
17	18	0402,4.7UF,6.3V,X5R,20%	MURATA	GRM155R60J475ME47D	C33,C35,C37,C39,C41,C43,C45,C46,C48,C64,C70,C163,C179,C261,C265,C268,C206,C221
18	14	1206,47UF,6.3V,X5R,20%	MURATA	GRM31CR60J476ME19L	C34,C36,C38,C40,C42,C44,C47,C49,C205,C214,C220,C229,C250,C251
19	103	0201,0.1UF,6.3V,X5R,20%	MURATA	GRM033R60J104ME19D	C51,C55,C57,C58,C59,C60,C61,C62,C66,C67,C68,C69,C71,C72,C73,C74,C75,C76,C77,C82,C83,C84,C85,C86,C87,C95,C96,C98,C114,C115,C116,C117,C118,C119,C120,C121,C123,C124,C125,C126,C127,C128,C129,C132,C133,C134,C135,C136,C137,C138,C139,C140,C157,C158,C159,C160,C169,C170,C173,C174,C175,C176,C177,C178,C181,C182,C183,C184,C185,C186,C187,C188,C191,C192,C193,C194,C195,C196,C198,C199,C200,C201,C203,C204,C236,C243,C273,C421,C470,C482,C483,C484,C485,C486,C487,C488,C489,C490,C491,C492,C493,C498,C499
20	119	0201,0.22UF,6.3V,X5R,20%	TDK	C0603X5R0J224M030BB	C52,C56,C78,C88,C89,C161,C162,C165,C166,C167,C168,C171,C172,C266,C269,C275,C276,C277,C278,C279,C280,C281,C282,C283,C284,C285,C286,C287,C288,C289,C290,C291,C292,C293,C294,C296,C297,C298,C299,C300,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C311,C313,C314,C315,C316,C317,C318,C319,C320,C321,C322,C323,C324,C325,C326,C328,C329,C330,C331,C332,C333,C335,C336,C337,C338,C339,C340,C342,C343,C344,C345,C346,C347,C348,C349,C351,C352,C353,C354,C355,C356,C357,C358,C359,C360,C362,C363,C364,C365,C366,C367,C368,C370,C371,C372,C373,C374,C375,C376,C377,C378,C379,C380,C381,C382,C383,C384,C385,C386
21	2	0201,0.47UF,4V,X5R,20%	TAIYO_YUDEN	AMK063BJ474MP-F	C65,C79
22	20	0201,1UF,4V,X5R,20%	TDK	C0603X5R0G105M030BC	C90,C91,C141,C142,C143,C144,C145,C146,C147,C148,C149,C150,C151,C152,C153,C154,C155,C164,C260,C471
23	3	0805,22UF,6.3V,X5R,20%	TAIYO_YUDEN	JMK212BJ226MG-T	C93,C156,C180
24	8	0402,18PF,50V,C0G/NP0,5%	AVX	04025A180JAT2A	C100,C101,C217,C218,C232,C233,C235,C240
25	1	0402,10PF,10V,C0G/NP0,+/-25PF	KEMET	C0402C100C8GACTU	C400
26	3	SCHOTTKY,40V,5A,DO-221AC	MICRO_CO	SK54AFL-TP	D1,D2,D24
27	6	0603,RED/ORAN/CLEAR	LITEON	LTST-C191KFKT	D3,D4,D5,D6,D7,D41
28	4	0603,TVS,24VWM,45VC	TE_CONN	PESD0603-240	D8,D9,D10,D11

29	8	TVS,5.5VWM,14VC,2X2SON	Texas Instruments	TPD1E05U06DPYR	D12,D13,D14,D15,D16,D17,D18,D19
30	4	ESD PROTECTION,ARRAY,2CH,SOT-5	Texas Instruments	TPD2E001DRL	D20,D21,D22,D23
31	7	0805,150R,800MA	LAIRD_S	U0805H151R-10	FB1,FB3,FB4,FB5,FB7,FB8,FB9
32	4	CHOKE COIL,COMMON MODE,280MA,SMD	MURATA	DLW21SN900HQ2	FL1,FL2,FL3,FL4
33	1	SLOW BLOW,125VDC,5A	LITTLEFU	0154005.DRT	F1
34	3	JUMPER,100",GOLD	3M	969102-0000-DA	J3A,J4A,J6A
35	2	4.7UH,20%,4A	COILCRAF	XAL5030-472MEB	L1,L16
36	1	3.3UH,20%,8.7A	COILCRAF	XAL5030-332MEB	L2
37	7	1.0UH,20%,4.2A	VISHAY	IHLP-1616ABER1R0M11	L3,L4,L5,L6,L7,L8,L9
38	6	0805,0.47UF	MURATA	NFM21PC474R1C3D	L10,L11,L12,L21,L22,L24
39	8	0805,220R,2000MA	MURATA	BLM21PG221SN1D	L13,L14,L15,L17,L18,L19,L20,L23
40	1	CONN PWR JACK 2.5X5.5MM PCB 10A	CUI	PJ-080BH	P1
41	1	20 POS,DUAL,GOLD,.05"	SAMTEC	FTR-110-03-G-D-06	P4
42	1	RJ45 JACK W/LED	LINK-PP	LPJG17561BGNL	P5
43	1	COMBO,ESATA/USB,TOP MNT,R/A	LINK-PP	LPST69000	P6
44	1	RCPT,STD,MICRO,USB,TYPE B	FCI	10103594-0001LF	P7
45	2	JACK,STEREO,3.5MM,4P	CUI	SJ1-3524NG	P8,P9
46	1	6 POS,STR,TIN	FCI	68000-406HLF	P10
47	1	RCPT,HDMI,R/A	FCI	10029449-001RLF	P11
48	1	MICRO SD,PUSH-PUSH	ALPS	SCHA5B0200	P12
49	1	USB,3.0 REC,TYPE A,R/A,9 POS	AMPHENOL	GSB311131HR	P13
50	1	USB,3.0,TYPE A,STACKED R/A	AMPHENOL	GSB311231HR	P15
51	4	60 POS,0.8MM,VERT	HIROSE	FX18-60P-0.8SV	P16,P17,P18,P19
52	2	MOSFET,P-CH,20V,6A,SOT-223	FAIRCHILD	FDT434P	Q1,Q2
53	2	NPN/NPN,W/RES,50V,S MINI6	PANASONIC	DMC564040R	Q3,Q4
54	1	MOSFET,N-CH,20V,915MA,SOT-416	ON_SEMICONDUCTOR	NTA4153NT1G	Q5
55	1	MOSFET,N-CH,60V,320MA,SOT-323	NXP	BSS138PW,115	Q6
56	1	1206,0R02,1W,1%	VISHAY	WSP1206R0200FEA	R36
57	4	1206,0R01,1/2W,0.5%	OHMITE	LVK12R010DER	R1,R7,R34,R35
58	1	0402,8K25,1/16W,1%	STACKPOLE	RMCF0402FT8K25	R206
59	48	0402,47R0,1/16W,1%	STACKPOLE	RMCF0402FT47R0	R336,R337,R338,R339,R340,R341,R342,R343,R344,R345,R346,R347,R348,R349,R350,R351,R352,R353,R354,R355,R356,R357,R358,R359,R360,R361,R362,R363,R364,R365,R366,R367,R368,R369,R370,R371,R372,R373,R374,R375,R376,R377,R378,R379,R380,R381,R382,R383
60	3	0402,10K2,1/16W,1%	SAMSUNG	RC1005F1022CS	R2,R13,R292
61	2	0402,169K,1/10W,1%	PANASONIC	ERJ-2RK1693X	R3,R9
62	2	0402,45K3,1/16W,1%	SAMSUNG	RC1005F4532CS	R4,R295
63	1	0402,154K,1/16W,1%	VISHAY	CRCW0402154KFKED	R396
64	1	0402,470K,1/16W,1%	NIC	NRC04F4703TRF	R397
65	2	0402,1K91,1/10W,1%	PANASONIC	ERJ-2RK1911X	R5,R296
66	3	0402,20K5,1/16W,1%	STACKPOLE	RMCF0402FT20K5	R6,R11,R297
67	14	0402,1K00,1/16W,5%	KOA	RK73B1ETTP102J	R8,R70,R71,R72,R73,R90,R91,R99,R100,R116,R117,R273,R274,R303
68	58	0402,10K0,1/16W,1%	KOA	RK73H1ETTP1002F	R10,R21,R28,R24,R26,R27,R22,R41,R42,R44,R46,R50,R51,R52,R56,R58,R74,R75,R76,R77,R93,R120,R180,R181,R182,R183,R407,R187,R188,R190,R191,R192,R193,R194,R195,R196,R239,R260,R261,R262,R263,R264,R265,R272,R285,R287,R288,R313,R321,R335,R189,R205,R419,R421,R424,R433,R432
69	1	0402,90K9,1/16W,1%	YAGEO	RC0402FR-0790K9L	R330
70	1	0402,16K0,1/16W,1%	YAGEO	RC0402FR-0716KL	R329
71	1	0402,51K1,1/16W,1%	YAGEO	RC0402FR-0751K1L	R12
72	2	0402,3K24,1/16W,1%	STACKPOLE	RMCF0402FT3K24	R14,R240
73	19	0402,4K70,1/16W,5%	ROHM	MCR01MZPJ472	R15,R33,R59,R62,R66,R204,R207,R209,R215,R216,R217,R218,R243,R333,R334,R389,R390,R398,R399
74	9	0402,2K20,1/16W,1%	ROHM	MCR01MRTF2201	R16,R17,R18,R19,R43,R212,R213,R391,R392
75	45	0402,0R00,JUMPER,1/16W	NIC	NRC04Z0TRF	R29,R30,R32,R39,R53,R57,R84,R85,R86,R87,R88,R89,R96,R111,R112,R113,R114,R115,R118,R123,R210,R211,R244,R249,R290,R291,R302,R412,R414,R422,R416,R312,R384,R395,R299,R300,R331,R332,R385,R386,R387,R400,R401,R402,R403
76	12	0402,100K,1/16W,5%	KOA	RK73B1ETTP104J	R48,R101,R102,R103,R104,R219,R220,R221,R222,R236,R286,R309

77	44	0402,22R0,1/16W,5%	SAMSUNG	RC1005J220CS	R61,R63,R64,R78,R79,R80,R81,R82,R83,R105,R106,R107,R108,R109,R110,R124,R125,R126,R127 R128,R129,R130,R131,R132,R133,R134,R135,R136,R138,R139,R140,R141,R142,R143,R144,R145, R146,R147,R148,R149,R150,R152,R153,R223
78	5	0402,220R,1/16W,5%	YAGEO	RC0402JR-07220RL	R68,R69,R97,R98,R417
79	1	0402,30K0,1/16W,5%	STACKPOLE	RMCF0402JT30K0	R294
80	2	0402,12K1,1/16W,1%	YAGEO	RC0402FR-0712K1L	R92,R119
81	1	0402,1K87,1/16W,1%	SAMSUNG	RC1005F1871CS	R201
82	1	0402,1M00,1/16W,5%	KOA	RK73B1ETTP105J	R202
83	1	0402,4K99,1/8W,1%	STACKPOLE	CRCW04024K99FKEDHP	R203
84	1	AM572x PROCESSOR,1.5GHz	Texas Instruments	XAM5728BABCXEA	U11
85	7	0402,10R0,1/16W,5%	STACKPOLE	RMCF0402JT10R0	R224,R225,R227,R229,R230,R233,R289
86	6	0402,20K0,1/16W,1%	VISHAY	CRCW040220K0FKED	R226,R228,R231,R232,R234,R235
87	6	0402,33R0,1/16W,5%	KOA	RK73B1ETTP330J	R266,R267,R268,R269,R270,R271
88	4	0402,240R,1/16W,1%	NIC	NRC04F2400TRF	R275,R276,R277,R278
89	6	0402,49R9,1/16W,1%	KOA	RK73H1ETTP49R9F	R279,R280,R281,R282,R283,R284
90	1	0402,25K5,1/16W,1%	STACKPOLE	RMCF0402FT25K5	R293
91	1	0402,63K4,1/10W,1%	PANASONIC	ERJ-2RKF6342X	R298
92	1	0402,100R,1/16W,1%	ROHM	MCR01MZPF1000	R308
93	2	TACTILE,SPST-NO,0.05A,12V	TE_CONN	FSMRA3JH	S1,S2
94	1	GATE AND SGLE,3INPUT,SOT23-6	Texas Instruments	SN74LVC1G11DCKR	U9
95	3	REG,BUCK,ADJ,5A,8SOPWRPAD	Texas Instruments	TPS54531DDA	U1,U3,U28
96	1	LOAD,SWITCH,6A,8WSON	Texas Instruments	TPS22965DSGT	U2
97	1	DGTL,TEMP SENSOR,LP,SOT-563	Texas Instruments	TMP102AIDRLT	U4
98	1	POWER MANAGEMENT, PROCESSOR, BGA169	Texas Instruments	PTPS6590376ZWSR	U5
99	1	RTC/CALENDAR,EEPROM,8TDFN	MICROCHIP	MCP79410T-I/MNY	U6
100	1	CLK,GEN,100MHZ,32QFN	Texas Instruments	CDCM9102RHBR	U7
101	11	SOT3,TPD2EUSB30A,TVS DIODE 3.6VWM 8VC	Texas Instruments	TPD2EUSB30ADR	D25,D26,D27,D28,D29,D30,D31,D32,D33,D38,D40
102	1	EEPROM,32KBIT,400KHZ,8-SOIC	ON_SEMICONDUCTOR	CAT24C256WI-G	U8
103	1	SGLE POSITIVE AND GATE,SC-70	Texas Instruments	SN74LVC1G08DCKR	U10
104	2	VOLT,SUPERVISOR,0.9V,SOT23-6	Texas Instruments	TPS3808G09DBVR	U12,U13
105	2	INTERFACE, TX/RX/TXRX	MICREL	KS29031RNX	U14,U15
106	1	REG,LDO,ADJ,1.5A,10SON	Texas Instruments	TPS74801DRC	U16
107	1	TUSB8041,4-PORT,USB3.0,HUB,VQFN,64	Texas Instruments	TUSB8041RGCR	U17
108	1	STEREO,AUDIO,CODEC,24 BIT,32-VQFN	Texas Instruments	TLV320AIC3104IRHBR	U18
109	1	REG,LDO,1.8V,50MA,SOT23-5	Texas Instruments	TPS77018DBVT	U19
110	1	BUFF/DVR,TRI-ST,DL,8VSSOP	Texas Instruments	SN74LVC2G241DCUR	U20
111	1	HDMI,ESD,PROT,24UQFN	Texas Instruments	TPD125016RKTR	U21
112	0 1	ASYNCH,4GX8,MCP,WFBGA	Micron Kingston	MTFC4GACAJCN-1M WT EMMC04G-S100-B08U	U22
113	0 4	DDR3L,SDRAM,4G,FBGA	Micron Kingston	MT41K256M16TW-107:P D2516EC4BXGGB	U23,U24,U25,U26
114	1	CONV,DDR,DDR2,DDR3,10SON	Texas Instruments	TPS51200DRC	U27
115	2	POWER,DIST,SWITCH,ADJ,10SON	Texas Instruments	TPS2561DRCR	U29,U30
116	1	MUX/DEMUX,2X2,28TQFN	PERICOM	PI2DBS212ZHE	U31
117	1	REG,LDO,500MA,8-SOIC	Texas Instruments	TL5209DR	U32
118	1	32.768 KHZ,6PF	CITIZEN	CFS-20632768DZBB	Y1
119	1	20.000 MHZ,18PF,SMD	ABRACON	ABM7-20.000MHZ-D2Y-T	Y2
120	1	Crystal 16.3840MHz 10ppm 10pF 80 Ohm -20°C - 70°C Surface Mount 4-SMD, No Lead (DFN, LCC)	TXC	7M-16.384MEEQ-T	Y9
121	2	25.000 MHZ,18PF,SMD	ABRACON	ABM3-25.000MHZ-D2Y-T	Y5,Y6
122	1	24.000 MHZ,20PF,SMD	ECS	ECS-240-20-30B	Y7
123	1	25.000 MHZ,8PF,SMD	ABRACON	ABM8-25.000MHZ-8-E1G	Y8
124	1	0402,1K74,1/10W,1%	PANASONIC	ERJ-2RKF1741X	R318
125	1	0402,2K00,1/10W,1%	PANASONIC	ERJ-2RKF2001X	R319
126	1	22.5792 MHZ,SMD	Kyocera	CX3225GB22579D0HEQCC	Y3
127	1	0402,0.33UF,10V,X5R,10%	MURATA	GRM155R61A334KE15D	C476

128	5	2X2SON,TPD1E10B06,TVS DIODE 5.5VWM 14VC	Texas Instruments	TPD1E10B06DPYT	D34,D35,D36,D37,D42
129	1	1210,1UF,X7R,50V,10%	MURATA	GRM32RR71H105KA01L	C479
130	1	US8,8-VFSOP,IC,GATE,NAND,2CH,2-INP	Texas Instruments	SN74LVC2G132DCU	U34
131	2	0402,16PF,50V,COG/NP0,1%	KEMET	CBR04C160F5GAC	C452,C453
132	1	20QFN,3GBPS,2CH,SATA,REDRIVER,BUFFER	Texas Instruments	SN75LVCP412A	U33
133	3	3 POS,SINGLE,ST,100",TIN	FCI	68000-403HLF	J3,J4,J6
134	1	0402,22K6,1/16W,0.1%	PANASONIC	ERA-2AEB2262X	R404
135	1	0402,620K,1/10W,1%	PANASONIC	ERJ-2RKF6203X	R409
136	1	0402,330K,1/16W,1%	YAGEO	RC0402FR-07330KL	R410
137	2	0805,0R00,JUMPER,1/8W	ROHM	MCR10EZPJ000	FB2,FB6
138	2	0402,47K0,1/16W,1%	YAGEO	RC0402FR-0747KL	R408,R415
139	1	BSS138L,MOSFET,N-CH,0.20A,50V,SOT-23	FAIRCHLD	BSS138L	Q7
140	1	0402,1UF,35V,X5R,20%	TDK	C1005X5R1V105M050BC	C495
141	1	INVTR,SGLE,1INPUT,SC705	Texas Instruments	SN74LVC1G06DCKR	U42
142	2	0402,40K2,1/10W,1%	PANASONIC	ERJ-2RKF4022X	R420,R425
143	2	0402,499R,1/10W,1%	PANASONIC	ERJ-2RKF4990X	R418,R423
144	2	PNP,60V,600MA,SOT-23	ON_SEMICONDUCTOR	MMBT2907ALT1G	Q8,Q9
145	2	VOLTAGE REF, SHUNT, 1.24V-18V, SOT-23-3	Texas Instruments	TLVH431AIDBZR	U35,U43
146	1	TERMINAL SCREW EXTEND PC MNT GRN	KEYSTONE	36-7699-6-ND	J7
147	2	0402,12PF,50V,COG/NP0,1%	KEMET	CBR04C120F5GAC	C102,C103,
999	60	DO NOT INSTALL		DNI	J5,R405,C219,C234,C435,R20,R23,R38,R40,R45,R47,R49,R54,R55,R94,R95,R121,R122,R31,R200, R413,R237,R241,R242,R245,R246,R250,R251,R252,R253,R254,R255,R256,R257,R258,R259,R310, R311,R320,R214,R314,R315,R393,R394,R316,R317,BAT1,R429,R430,R411,R328,R247,R322,R323, P2,P3,R434,J1,R248,R197,R37