

Bill of Materials

AM572x GP EVM, LCD Module

Item_no	Qty	Description	Manufacturer	Part Number	Reference Designator
1	1	PCB,AM572X GP EVM LCD Board	GENR	TI_AM572x_LM_RevA2	
2	38	0402,0.1UF,16V,Y5V,-20/+80%	TAIYO_YUDEN	EMK105F104ZV-F	C1, C2, C3, C4, C5, C6, C7, C8, C46, C47, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C90, C91, C92, C98, C99
3	3	0805,22UF,6.3V,X5R,20%	TAIYO_YUDEN	JMK212BJ226MG-T	C9, C11, C56
4	1	0805,6.8UF,50V,C0G/NP0,5%	KEMET	C0805C689J5GACTU	C10
5	1	0402,2200PF,50V,X7R,10%	KEMET	C0402C222K5RACTU	C12
6	10	0603,0.22UF,50V,Y5V,-20/+80%	MURATA	GRM188F51H224ZA01D	C13, C15, C16, C17, C19, C93, C94, C95, C96, C97
7	1	0402,1000PF,50V,X7R,10%	KEMET	C0402C102K5RACTU	C14
8	3	0603,1UF,25V,X5R,10%	MURATA	GRM188R61E105KA12D	C18, C20, C25
9	1	0402,4.7UF,6.3V,X5R,20%	MURATA	GRM155R60J475ME47D	C21
10	2	0805,4.7UF,50V,X5R,10%	TDK	C2012X5R1H475K	C22, C24
11	1	0402,0.047UF,25V,X7R,10%	MURATA	GRM155R71E473KA88D	C23
12	1	0805,0.1UF,25V,X7R,10%	AVX	08053C104KAT2A	C48
13	3	100UF,35V,20%	CORNELL	AVE107M35F24T-F	C49, C50, C51
14	1	CAP CER 8200PF 16V X7R 0402	YAGEO	CC0402KRX7R7B8822	C52
15	1	0805,15PF,50V,C0G/NP0,5%	YAGEO	CC0805JRNPO9BN150	C53
16	1	0805,820PF,50V,X7R,10%	YAGEO	CC0805KRX7R9BB821	C55
17	1	0805,220PF,50V,X7R,10%	YAGEO	CC0805KRX7R9BB221	C26
18	3	0402,1000PF,50V,C0G/NP0,5%	MURATA	GRM1555C1H102JA01D	C81, C88, C89
19	2	0402,2.2UF,6.3V,X5R,10%	AVX	04026D225KAT2A	C82, C85
20	2	0402,5.6PF,50V,C0G/NP0,5%	MURATA	GRM1555C1H5R6DA01D	C83, C86
21	2	0603,10UF,6.3V,X5R,20%	TAIYO_YUDEN	JMK107ABJ106MAHT	C84, C87
22	1	SCHOTTKY,20V,1A,DO-216AA	ON_SEMICONDUCTOR	MBRM120LT3G	D1
23	1	SCHOTTKY,DUAL,30V,SOT323	ON_SEMICONDUCTOR	BAT54SWT1G	D2
24	2	0603,RED/ORAN/CLEAR	LITEON	LTST-C191KFKT	D3, D7
25	2	SCHOTTKY,30V,1A,SMA	DIODES_INC	B130-13-F	D8, D9
26	1	BERGSTIK II,DUAL,STR	FCI	68602-402HLF	J1
27	1	JUMPER,SHORTING,TIN	SULLINS	STC02SYAN	J1A
28	2	3 POS,SGLE,STR	FCI	68000-103HLF	J5, J6
29	1	3.3UH,20%,8.7A	COILCRAFT	XAL5030-332MEB	L5
30	1	2.2UH,20%,1.8A	BOURNS	SRN3015-2R2M	L6
31	2	1210,20%,4.7UH,450MA	MURATA	LQH32CN4R7M23L	L1, L2
32	2	LATCH ASSY,5.7MM	MOLEX	48099-5701	M1, M2
33	4	60 POS,0.8MM,VERT,SV-15 TYPE	HIROSE	FX18-60S-0.8SV15	P1, P2, P3, P4
34	1	60 POS,0.8MM,VERT	HIROSE	FX18-60P-0.8SV	P9
35	1	50 POS,0.5MM,FPC,R/A	OMRON	XF3M-5015-1B	P5
36	2	52 POS,0.8 MM	MOLEX	67910-0002	P7, P8
37	2	8 POS,0.5MM,FPC,R/A	OMRON	XF3M-0815-1B	P11, P15
38	1	100 POS,DUAL,R/A,GOLD,.635MM	SAMTEC	MEC6-150-02-S-D-RA1	P12
39	1	NPN,HP,400V,225MA,SOT23-3	DIODES_INC	FMMT458TA	Q1
40	1	MOSFET,N-CH,60V,320MA,SOT-323	NXP	BSS138PW,115	Q3
41	29	0402,10R0,1/16W,5%	STACKPOLEE	RMCF0402JT10R0	R1, R2, R3, R5, R8, R11, R14, R17, R18, R20, R22, R24, R26, R28, R30, R32, R34, R36, R38, R40, R42, R44, R46, R48, R50, R52, R54, R56, R119

42	28	0402,33R0,1/16W,5%	KOA	RK73B1ETTP330J	R4, R6, R7, R9, R10, R12, R13, R15, R16, R19, R21, R23, R25, R27, R29, R31, R33, R35, R37, R39, R41, R43, R45, R47, R49, R51, R53, R55
43	1	0402,442K,1/16W,1%	ROHM	MCR01MRTF4423	R58
44	1	0402,15K0,1/16W,1%	SAMSUNG	RC1005F153CS	R60
45	2	0402,499K,1/16W,1%	ROHM	MCR01MZPF4993	R59, R72
46	1	0402,56K0,1/16W,1%	ROHM	MCR01MRTF5602	R61
47	6	0402,2K00,1/16W,5%	ROHM	MCR01MRTJ202	R158, R159, R166, R167, R168, R169
48	1	0402,300K,1/16W,1%	ROHM	MCR01MRTF3003	R67
49	1	0402,680K,1/16W,1%	VISHAY	CRCW0402680KFKED	R73
50	1	0402,100K,1/16W,5%	KOA	RK73B1ETTP104J	R74
51	1	0402,49K9,1/16W,1%	ROHM	MCR01MRTF4992	R75
52	1	0402,1K00,1/16W,5%	KOA	RK73B1ETTP102J	R100
53	1	0402,330R,1/16W,5%	ROHM	MCR01MZSJ331	R78
54	1	0603,1R00,1/10W,5%	SAMSUNG	RC1608J1R0CS	R79
55	2	0402,0R00,JUMPER,1/16W	NIC	NRC04Z0TRF	R80, R156
56	2	0402,10K2,1/16W,1%	SAMSUNG	RC1005F1022CS	R102, R139
57	2	0603,15K0,1/10W,0.1%	PANASONIC	ERA-3AEB153V	R104, R160
58	1	0402,3K24,1/16W,1%	STACKPOLE	RMCF0402FT3K24	R105
59	1	0402,30K0,1/16W,1%	SAMSUNG	RC1005F303CS	R107
60	1	0402,51K1,1/16W,1%	YAGEO	RC0402FR-0751K1L	R108
61	1	0402,20K5,1/16W,1%	STACKPOLE	RMCF0402FT20K5	R109
62	1	0402,1M00,1/16W,1%	NIC	NRC04F1004TRF	R112
63	27	0402,10K0,1/16W,1%	KOA	RK73H1ETTP1002F	R57, R62, R64, R68, R70, R66, R76, R81, R103, R106, R110, R113, R142, R143, R144, R145, R146, R153, R154, R170, R171, R172, R173, R174, R175, R176, R400
64	5	0402,20K0,1/16W,1%	VISHAY	CRCW040220K0FKED	R147, R148, R149, R150, R151
65	5	0402,4K70,1/16W,5%	ROHM	MCR01MZPJ472	R157, R164, R165, R398, R399
66	1	RES SMD 17.4K OHM 1% 1/10W 0603	STACKPOLE	CRCW060317K4FKEA	R161
67	1	0402,12K1,1/16W,1%	YAGEO	RC0402FR-0712K1L	R121
68	1	RES SMD 4.99K OHM 1% 1/10W 0603	STACKPOL	CRCW06034K99FKEA	R163
69	5	OFF-MOM ACTUATED,SPST-NO,0.05A,24V,6X5MM	OMRON	B3F-1102	S1, S2, S3, S4, S5
70	2	TACTILE,SPST-NO,0.05A,24V,R/A	OMRON	B3F-3100	S6, S7
71	2	TRANSCVR,BUS,32BIT,96BGA	Texas Instruments	SN74AVC32T245ZKER	U1, U9
72	1	LCD SUPPLY,TFT QUAD,24HTSSOP	Texas Instruments	TPS65105PWPR	U2
73	1	DRVVR,LED,W/OLED BACKLIGHT,10-VFDFN	Texas Instruments	TPS61080DRC	U3
74	1	LOAD,SWITCH,6A,8WSON	Texas Instruments	TPS22965DSGT	U4
75	1	REG,BUCK,ADJ,5A,8SOPWRPAD	Texas Instruments	TPS54531DDA	U7
76	1	REG,BUCK,ADJ,1A,SOT23-5	Texas Instruments	LMR10510XMFE/NOPB	U8
77	1	EEPROM,32KBIT,400KHZ,8-SOIC	ON_SEMICONDUCTOR	CAT24C256WI-G	U10
78	2	INVTR,SGLE,1INPUT,SC705	Texas Instruments	SN74LVC1G06DCKR	U11, U12
79	2	BUS,TRANSCVR,8BIT,24QFN	Texas Instruments	SN74AVC8T245RHLR	U13, U16
80	1	TRANSCVR,BUS,TRI-ST,SC706	Texas Instruments	SN74LVC1T45DCKR	U14
81	1	NON-INV,TRANSLTR,8BIT,20TSSOP	Texas Instruments	TXS0108EPWR	U15
82	1	BUS,TRANSCVR,4 BIT,16-VQFN	Texas Instruments	SN74AVC4T245RGYR	U17
83	2	VOLT,LEVEL,TRANSLATOR,8-VSSOP	Texas Instruments	PCA9306DCUR	U18, U21
84	2	REG,LDO,ADJ,1.5A,10SON	Texas Instruments	TPS74801DRC	U19, U20
85	1	32.768 KHZ,1.8V,CMOS,SMD	CTS	TC32M5I32K7680	Y1
86	1	20QFN,3GBPS,2CH,SATA,REDRIVER,BUFFER	Texas Instruments	SN75LVCP412A	U22
87	1	0603,4.7UF,6.3V,X5R,10%	AVX	06036D475KAT2A	C54
88	1	0201,0.1UF,6.3V,X5R,20%	MURATA	GRM033R60J104ME19D	C100
89	1	0201,1UF,4V,X5R,20%	TDK	C0603X5R0G105M030BC	C101
90	8	0402,0.01UF,16V,X7R,10%	AVX	0402YC103KAT2A	C102, C103, C104, C105, C106, C107, C108, C109
91	1	RES SMD 12.1K OHM 1% 1/10W 0603	YAGEO	RC0603FR-0712K1L	R162
999	12	DO NOT INSTALL	CCO	DNI	R63, R65, R71, R69, R77, R82, R99, R101, R111, R141, R152, R155