

Bill of Materials

AM572x EVM LCD Module BOM

Item	Qty	Description	Manufacturer	Part Number	Reference Designator
1	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
2	3	0805,22UF,6.3V,X5R,20%	TAIYO YUDEN	JMK212BJ226MG-T	C9, C11, C56
3	1	0805,8.8UF,50V,COG/NP0,5%	KEMET	C0805C68J95GACTU	C10
4	1	0402,220PF,50V,X7R,10%	KEMET	C0402C222K5RACTU	C12
5	10	0603,0.22UF,50V,Y5V,-20/+80%	MURATA	GRM188F51H224ZQ1D	C13, C15, C16, C17, C19, C93, C94, C95, C96, C97
6	1	0402,1000PF,50V,X7R,10%	KEMET	C0402C102K5RACTU	C14
7	3	0603,1UF,25V,X5R,10%	MURATA	GRM188R61E105KA12D	C18, C20, C25
8	1	0402,4.7UF,6.3V,X5R,20%	MURATA	GRM155R60J475ME47D	C21
9	2	0805,4.7UF,50V,X5R,10%	TDK	C3012XSR1H475K	C22, C24
10	1	0402,0.047UF,25V,X7R,10%	MURATA	GRM155R71E473KA88D	C23
11	1	0805,0.1UF,25V,X7R,10%	AVX	08053C104KAT2A	C48
12	3	100UF,35V,20%	CORNELL	AVE107M35F24T-F	C49, C50, C51
13	1	CAP CER 8200PF 16V X7R 0402	YAGEO	CC0402KRX7R78B822	C52
14	1	0805,15PF,50V,COG/NP0,5%	YAGEO	CC0805JNPN09M15Q	C53
15	1	0805,820PF,50V,X7R,10%	YAGEO	CC0805KRX7R98B821	C55
16	1	0805,220PF,50V,X7R,10%	YAGEO	CC0805KRX7R98B821	C26
17	3	0402,1000PF,50V,COG/NP0,5%	MURATA	GRM1555C1H102JA01D	C81, C88, C89
18	2	0402,2.2UF,6.3V,X5R,10%	AVX	040260225KAT2A	C82, C85
19	2	0402,5.6PF,50V,COG/NP0,5%	MURATA	GRM1555C1H56BD401D	C83, C86
20	2	0603,10UF,6.3V,X5R,20%	TAIYO YUDEN	JMK107BJ106MAHT	C84, C87
21	1	SCHOTTKY,20V,1A,DO-216AA	ON SEMICONDUCTOR	M88RM120LT3G	D1
22	1	SCHOTTKY,DUAL,30V,SOT323	ON SEMICONDUCTOR	BAT54SWT1G	D2
23	2	0603,RED/DRAN/CLEAR	LITEON	LTST-C191KFKT	D3, D7
24	2	SCHOTTKY,30V,1A,SMA	DIODES, INC	B130-13-F	D8, D9
25	1	BERKSTIK 1.0,DUAL,17K	PCI	68603-40HUF	J1
26	1	JUMPER,SHORTING,TIN	SULLINS	STC025VAN	J1A
27	2	3 POS,SGL,STR	PCI	68000-103HUF	J5, J6
28	1	3.3UH,20%,8.7A	COILCRAFT	KAL5030-332MEB	L5
29	1	2.2UH,20%,1.8A	BOURNS	SRN3015-2R2M	L6
30	2	1210,20%,4.7UH,50MA	MURATA	LQH32CM4R7M23L	L1, L2
31	2	LATCH ASSY,5.7MM	MOLEX	48099-5701	M1, M2
32	4	60 POS,0.8MM,VERT,SV-15 TYPE	HIROSE	FX18-60S-0.8SV15	P1, P2, P3, P4
33	1	60 POS,0.8MM,VERT	HIROSE	FX18-60P-0.8SV	P9
34	1	50 POS,0.5MM,FPC,R/A	OMRON	XF3M-5015-1B	P5
35	2	52 POS,0.8MM	MOLEX	67919-0802	P7, P8
36	2	8 POS,0.5MM,FPC,R/A	OMRON	XF3M-0815-1B	P11, P15
37	1	100 POS,DUAL,R/A,GOLD,635MM	SAMTEC	MEC6-150-02-S-D-RA1	P12
38	1	NPN,HP,400V,225MA,SOT23-3	DIODES, INC	FMMT458TA	Q1
39	1	MOSFET,N-CH,60V,320MA,SOT-323	NXP	BSS138PW,115	Q3
40	29	0402,10K0,1/16W,1%	STACKPOLE	RMCR0402J10K0	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
41	28	0402,10K0,1/16W,5%	KOA	RC73B1ETTP130J	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
42	1	0402,442K,1/16W,1%	ROHM	MCRD1MRTF4423	R58
43	1	0402,15K0,1/16W,1%	SAMSUNG	RC1005F153CS	R60
44	2	0402,499K,1/16W,1%	ROHM	MCRD1MZPF4993	R59, R72
45	1	0402,56K0,1/16W,1%	ROHM	MCRD1MRTF5602	R61
46	6	0402,20K0,1/16W,1%	ROHM	MCRD1MRTJ202	R158, R159, R166, R167, R168, R169
47	1	0402,30K0,1/16W,1%	ROHM	MCRD1MRTF3003	R67
48	1	0402,680K,1/16W,1%	VISHAY	CRCW0402680KFKED	R73
49	1	0402,10K0,1/16W,5%	KOA	RC73B1ETTP1D4J	R74
50	1	0402,49K9,1/16W,1%	ROHM	MCRD1MRTF4992	R75
51	1	0402,10K0,1/16W,5%	KOA	RC73B1ETTP1D0J	R100
52	1	0402,330K,1/16W,5%	ROHM	MCRD1M2S1311	R78
53	1	0603,1R00,1/10W,5%	SAMSUNG	RC1608J1R0CS	R79
54	2	0402,0R00,JUMPER,1/16W	NIC	NRC0420TRF	R80, R156
55	2	0402,10K2,1/16W,1%	SAMSUNG	RC1005F1022CS	R102, R139
56	2	0603,15K0,1/10W,0.1%	PANASONIC	EKA-3AE1513V	R104, R160
57	1	0402,3K24,1/16W,1%	STACKPOLE	RMCR0402J3K24	R105
58	1	0402,30K0,1/16W,1%	SAMSUNG	RC1005F303CS	R107
59	1	0402,51K1,1/16W,1%	YAGEO	RC0402FR-0751K1L	R108
60	1	0402,20K5,1/16W,1%	STACKPOLE	RMCR0402J2720K5	R109
61	1	0402,1M00,1/16W,1%	NIC	NRC04F1004TRF	R112
62	27	0402,10K0,1/16W,1%	KOA	RC73B1ETTP1002F	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
63	5	0402,20K0,1/16W,1%	VISHAY	CRCW040220K0FKED	R147, R148, R149, R150, R151
64	5	0402,4K70,1/16W,5%	ROHM	MCRD1MZPJ472	R157, R164, R165, R398, R399
65	1	RES SMD 17.4K OHM 1% 1/10W 0603	STACKPOLE	CRCW060317K4FKEA	R161
66	1	0402,12K1,1/16W,1%	YAGEO	RC0402FR-0712K1L	R121
67	1	RES SMD 4.99K OHM 1% 1/10W 0603	STACKPOL	CRCW0603499KFKEA	R163
68	5	OFF-MOM ACTUATED,SPST-NO,0.05A,24V,6X5MM	OMRON	B3F-1102	S1, S2, S3, S4, S5
69	2	TACTILE,SPST-NO,0.05A,24V,R/A	OMRON	B3F-3100	S6, S7
70	2	TRANSCVR,BUS,32BIT,968GA	Texas Instruments	SN74AHC32T245ZKER	U1, U9
71	1	LCD SUPPLY,TFT QUAD,24HTSSOP	Texas Instruments	TPS65105PWPWR	U2
72	1	DRVR,LED,W/OLED BACKLIGHT,10-VQFN	Texas Instruments	TPS61080DR	U3
73	1	LOAD SWITCH,6A,8VQSON	Texas Instruments	TPS22965DSGT	U4
74	1	REG,BUCK,ADJ,5A,8SOPWRPAD	Texas Instruments	TPS54531DDA	U7
75	1	REG,BUCK,ADJ,1A,SOT23-5	Texas Instruments	LMR10510MFE/NOPB	U8
76	1	EEPROM,32KBIT,400KHZ,8-SOIC	ON SEMICONDUCTOR	CAT24C256WI-G	U10
77	2	INVTX,SGL,INPUT,SC70S	Texas Instruments	SN74LVC1G06DCR	U11, U12
78	2	BUS,TRANSCVR,8BIT,24QFN	Texas Instruments	SN74AVC072458RLR	U13, U16
79	1	TRANSCVR,BUS,TRI-ST,SC706	Texas Instruments	SN74LVC1T45DCKR	U14
80	1	NON-INV,TRANSLTR,8BIT,20TSSOP	Texas Instruments	TXS0108PWR	U15
81	1	BUS,TRANSCVR,4 BIT,16-VQFN	Texas Instruments	SN74AHC4T245RGYR	U17
82	2	VOLT,LEVEL,TRANSATOR,8-VSSOP	Texas Instruments	PCA9306DCUR	U18, U21
83	2	REG,LDO,ADJ,1.5A,1000N	Texas Instruments	TPS7A801DRG	U19, U20
84	1	32.768 KHZ,1.8V,CMOS,SMD	CTS	TC32M5132K7680	Y1
85	1	20QFN,3GBPS,2CH,SATA,REDRIVER,BUFFER	Texas Instruments	SN75LVCP412A	U22
86	1	0603,4.7UF,6.3V,X5R,10%	AVX	06036D475KAT2A	C54
87	1	0201,0.1UF,6.3V,X5R,20%	MURATA	GRM033R60J04ME39D	C100
88	1	0201,1UF,4V,X5R,20%	TDK	C0603X5R0105M030BC	C101
89	8	0402,0.01UF,16V,X7R,10%	AVX	0402YC103KAT2A	C102, C103, C104, C105, C106, C107, C108, C109
90	1	RES SMD 12.1K OHM 1% 1/10W 0603	YAGEO	RC0603FR-0712K1L	R162
999	12	DO NOT INSTALL	DNI		R63, R65, R71, R69, R77, R82, R99, R101, R111, R141, R152, R155