

BILL OF MATERIALS (BOM) FOR FEM INTERFACE BOARD (DWG# 126Y-267977)							
ITEM	QTY	REF DES	DESCRIPTION	VENDOR	VALUE	FOOTPRINT	PART NO
1	31	C1-C10,C12,C14-C17,C19-C20,C24,C29-C30,C32,C48-C56,C58	0.1uf 10% 16v CAP	KEMET	0.1uF	0603	C0603C104K4RAC
2	6	C11,C13,C18,C25,C28,C41	CAPACITOR,6.3V,TANTALUM CHIP	KEMET	470uF	C7343	B45197A1477K509
3	4	C21,C27,C31,C33	10uf 25v 10% CERAMIC MULTILAYER CAP	MURATA	10uF	1210	GRM32DR61E106KA12L
4	3	C22-C23,C26	CAPACITOR,50V,CHIP	VISHAY	0.01uF	0603	VJ0603Y103JXAAC
5	3	C34-C36	CAPACITOR,16V,TANTALUM ELECTROLYTIC CAP	KEMET	47uF	7343	T491D476K016AT
6	3	C37-C39	CAP CER 10UF 16V Y5V 0805	MURATA	10uF	0805	GRM21BR61C106KE15L
7	1	C40	CERAMIC CAP, 100uf 20% 6.3v	PANASONIC	100uF	1210	ECJ-4YB0J107M
8	6	C42-C47	CAPACITOR,6.3V,TANT CHIP	KEMET	22uF	C6032	T494C226K016AT
9	1	C57	CAPACITOR,16V,TANTALUM ELECTROLYTIC CAP	KEMET	10uF	6032	T491C106K016AT
10	12	C59-C63,C65,C97,C136-C140	2.2uf 10% 16v CAP	MURATA ELECT.	2.2uF	0603	GRM188R61C225KE15D
11	47	C64,C68-C70,C73-C75,C77-C78,C81-C87,C89-C95,C107-C115,C117-C125,C128-C129,C131-C132,C134-C135	CAPACITOR,6.3V, CHIP	PANASONIC	0.01uF	0201_.012SQ_.023SP	ECJ-ZEB0J103K
12	23	C66-C67,C71-C72,C76,C79-C80,C88,C96,C98-C106,C116,C126-C127,C130,C133	0.22uf 10% 16v CAP	TAIYO YUDEN	0.22uF	0402	EMK105BJ224KV-F
13	7	DS1-DS4,DS9-DS11	LED RED CLEAR 0603 SMD	LITE-ON		SMD_0603_.063X.03	DIGIKEY_160-1181-1-ND
14	1	DS5	MICRO RED/GRN LED (1.6x1.6x0.7mm)	DIALIGHT		0606	598-8410-207F
15	3	DS6-DS8	2x3mm QUAD LEVEL LED	KINGBRIGHT		CON_8P_.1SP	WP914CK/4GDT
16	3	J1,J5,J7	CONNECTOR, HEADER,1 ROW,5 PIN	BERG		BERG6	89F4554
17	1	J2	MOD5270-100CR			MOD5270-100CR	MOD5270-100IR
18	1	J3	DLP-2232M-G MODULE	DLP DESIGN		DLP2232	DLP2232M-G
19	1	J4	CONNECTOR, HEADER,1 ROW,6 PIN	BERG		BERG6	89F4554
20	1	J6	CONNECTOR,HEADER,2 ROW,20PIN	BERG ELEC		J20HD2	86K8610
21	1	J8	LOW PROFILE RIGHT ANGLE HEADER, 0.1 PITCH	3M		HEADER_10P	2510-5002UB
22	1	J9	VME GLINK BOARD #1			/ME_GLINK_BOARD	VME_GLINK_BOARD
23	4	L1-L4	INDUCTOR, 1.0UH	COILCRAFT	1uH	L1008	1008CS-102XJLB
24	2	P1-P2	CONNECTOR, 96 PIN DIN, RIGHT ANGLE	AMP		P96RD1	650473-5
25	30	R1,R3,R5-R7,R16,R21,R33-R51,R71-R72,R74,R80	RESISTOR, 1/16 W ,1% CHIP	PANASONIC	10k	R0402A	ERJ-2GEJ103X
26	2	R2,R4	RESISTOR, 1/4W, 1%, FILM	DALE	121	RC07	ERO-S2PHF1200
27	2	R8,R14	RESISTOR,1/16W,5%,CHIP	PANASONIC	4.7K	0603	ERJ-3GEYJ472V
28	4	R9,R12,R15,R22	RES 121 OHM 1/16W 1% 0402 SMD	VISHAY DALE	121	R0402A	CRCW0402121RFKED
29	1	R10	RESISTOR,1/16W,1%,CHIP	DALE	100	0603	CRCW0603100RFKEA
30	14	R11,R13,R17,R23,R52-R61	RES 10.0K OHM 1/20W 1% 0201 SMD	VISHAY DALE	10K	0201_.012SQ_.023SP	CRCW020110K0FKED
31	3	R18-R20	RESISTOR,1/16W,1%,CHIP	DALE	200	0603	CRCW0603200RFKEA
32	1	R24	RESISTOR,1/16W,1%,CHIP	DALE	62	0805	CRCW080562R0F
33	15	R25-R30,R62-R70	200 ohm .125w 1% RESISTOR	YAGEO AMERICA	200	C0805	RC0805FR-07200RL
34	2	R31,R77	RES 2.37K OHM 1/16W 1% 0402 SMD	PANASONIC	2.37K	0402	ERJ-2RKF2371X
35	1	R32	1.62k ohm 1% .063w RESISTOR	DALE	1.62K	0402	CRCW04021K62FKED
36	2	R73,R79	RES 4.99K OHM 1/16W 1% 0402 SMD	PANASONIC	4.99K	0402	ERJ-2RKF4991X
37	3	R75-R76,R78	RESISTOR,1/16W,1%,CHIP	DALE	10K	0603	CRCW060310K0FKEA
38	1	SW1	7000 SERIES MINIATURE TOGGLE SWITCH	C&K		SW7101	7101MD9AV2QE
39	1	SW2	GP SERIES ULTRAMINIATURE PUSHBUTTON SWITCH	C&K		GP12	GP12MCBE
40	1	SW3	16 POSITION HEXADECIMAL PUSHWHEEL SWITCH **DBL CHK FOOTPRINT	APEM		PICOD	PICOD301ALULS2
41	1	SW4	10 POSITION BCD PUSHWHEEL SWITCH **DBL CHK FOOTPRINT	APEM		PICOD	PICOD131ALULS2
42	4	TP1,TP3,TP5-TP6	SURFACE MOUNT TEST POIONT ON TAPE AND REEL	KEYSTONE		TP5015	5015
43	2	TP2,TP4	PROBE TEST POINT				
44	5	U1-U2,U5,U8,U21	UNIVERSAL BUS TRANSCEIVER WITH SPLIT LVTTL, FEEDBACK, AND 3-STATE OUTPUT	TEXAS INSTRUMENTS		DGG	SN74VMEH22501ADGGR
45	2	U3-U4	3.0V - 5.5V LOW POWER TRANSMITER	INTERSIL		SOT23-6	ISL3295E
46	1	U6	OSC 25 MHZ 3.3V SMD	KYOCERA	25 MHz	K25-3C	KC3225A25.0000C30E00
47	9	U7,U11,U13-U15,U17,U25-U27	DIGITAL FET, N-CHANNEL	FAIRCHILD		SOT23	FDV303N
48	2	U9,U16	OPTICAL TRANSCEIVER	AVAGO		HFBR-5720	AFBR-57M5APZ
49	1	U10	SPARTAN-3 FPGA 256 PIN	XILINX		BGA256_17x17	XC3S200-4FTG256C
50	1	U12	PLATFORM FLASH IN-SYSTEM CONFIG PROMs	XILINX		TSSOP20	XCF02SOG20C
51	3	U18-U20	LOW VOLTAGE, 4A DC/DC POWER SUPPLY	LINEAR TECHNOLOGY		LGA66	LTM4604EV#PBF
52	3	U22-U24	8-Bit Dual Supply Translating Transceiver with 3-STATE Outputs	FAIRCHILD		SO24WB	74LVX4245WM
53	2		SFP Cage for Optical Transceiver (Item #48)	FINISAR			V23838-S5-N1
54	2		SFP Connector for Optical Transceiver (Item #48)	MOLEX			74441-0001
55	100		Low Profile Socket Pins for .025" square posts (MOD5270 Item #17)	MILL-MAX			0305-1-15-15-47-27-10-0
56	90		Low Profile Socket Pins for .020" round pins (G-LINK, DLP-2232 Items 18, 22)	MILL-MAX			0552-1-15-15-11-27-10-0
Total Parts Used: 477							