

126Y-267977 FVTX FEM Interface Board BOM version 2

ITEM	QTY	REF DES	DESCRIPTION	VENDOR	VALUE	PART NO	ALTERNATE PART NO	DISTRIBUTOR	BUY QTY	NO OF BDS	TOT QTY	UNIT COST	BD COST	TOT COST			
1	31	C1-C17,C122,C124-C136	.1uf 10% 16v CAP	KEMET	0.1uF	C0603C104K4RAC	C0603C104K4RACTU	Digi-Key	100	6	230	0.0117	1.17	2.691			
2	3	C18-C20	CAPACITOR,50V,CHIP	VISHAY	0.01uF	VJ0603Y103JBAMT	VJ0603Y103JXAAC	Mouser	50	6	50	0.0400	2	2			
3	6	C21-C26	CAPACITOR,6.3V,TANTALUM CHIP	KEMET	470uF	T494X477M006AS	B45197A1477K509	Digi-Key	8	6	48	1.5930	12.744	76.464			
4	12	C27-C38	2.2uf 10% 16v CAP	MURATA ELECT.	2.2uF	GRM188R61C225KE15D		Mouser	50	6	100	0.1800	9	18			
5	47	C39-C85	CAPACITOR,6.3V, CHIP	PANASONIC	0.01uF	ECJ-ZEB0J103K		Digi-Key	100	6	300	0.0361	3.61	10.83			
6	3	C86-C88	CAP CER 10UF 16V Y5V 0805	MURATA	10F	GRM21BF51C106ZE15L	GRM21BR61C106KE15L	Digi-Key	10	6	20	0.5890	5.89	11.78			
7	3	C89-C91	CAPACITOR,16V,TANTALUM ELECTROLYTIC CAP	KEMET	47uF	T491D476K016AS	T491D476K016AT	Digi-Key	10	6	20	0.5650	5.65	11.3			
8	1	C92	CERAMIC CAP, 100uf 20% 6.3v	PANASONIC	100uF	ECJ-4YB0J107M		Digi-Key	2	6	9	6.3100	12.62	56.79			
9	6	C93-C98	CAPACITOR,6.3V,TANT CHIP	KEMET	22uF	T494C226M006AS	T494C226K016AT	Digi-Key	10	6	40	1.2440	12.44	49.76			
10	23	C99-C121	0.22uf 10% 16v CAP	TAIYO YUDEN	0.22uF	EMK105BJ224KV-F		Digi-Key	100	6	170	0.0585	5.85	9.945			
12	1	C123	CAPACITOR,16V,TANTALUM ELECTROLYTIC CAP	KEMET	10uF	T491C106K016AS	T491C106K016AT	Digi-Key	2	6	9	0.3900	0.78	3.51			
14	4	C137-C140	10uf 25v 10% CERAMIC MULTILAYER CAP	TAIYO YUDEN	10uF	TMK325BJ106KN-T	GRM32DR61E106KA12	Digi-Key	10	6	30	1.2690	12.69	38.07			
15	1	DS12	MICRO RED/GRN LED (1.6x1.6x0.7mm)	DIALIGHT		598-8410-207F		Digi-Key	5	6	8	0.5300	2.65	4.24			
16	7	DS3-DS6,DS10-DS11,DS1	LED RED CLEAR 0603 SMD	LITE-ON		DIGIKEY_160-1181-1-ND		Digi-Key	10	6	45	0.0830	0.83	3.735			
17	3	DS7-DS9	2x3mm QUAD LEVEL LED	KINGBRIGHT		WP914CK/4GDT		Digi-Key	4	6	20	1.1700	4.68	23.4			
18	1	J1	SHROUDED HEADER 10 POS STRAIGHT CONNECTOR	3M/ESD		DIGI-KEY_MHB10K-ND		Digi-Key	2	6	8	1.6600	3.32	13.28			
19	1	J2	.100" PITCH, DUAL ROW RA HEADER	MOLEX		90130-3216		Digi-Key	2	6	8	3.7200	7.44	29.76			
20	1	J3	CONNECTORS FOR MOD5270-100CR			MOD5270-100CR	MOD5270-100IR	Mouser	2	6	7	79.0000	158	553			
21	1	J4	CONNECTORS FOR VME GLINK BOARD #1			VME_GLINK_BOARD	Will be provided (need sockets for it on board)			6			0	0			
22	1	J5	CONNECTOR, HEADER,1 ROW,5 PIN	BERG		89F4554		Newark	1	6	3	1.2700	1.27	3.81	NOTE: This PN is a 36-pin stick.		
23	1	J6	CONNECTOR, HEADER,1 ROW,6 PIN	BERG		89F4554				6			0	0	Use above part for this also.		
24	1	J7	CONNECTORS FOR DLP-2232M-G MODULE	DLP DESIGN		DLP2232M-G		Mouser	2	6	7	35.0000	70	245			
25	4	L1-L4	INDUCTOR, 1.0UH	COILCRAFT	1uH	1008CS-102XKBC	1008CS-102XJLB	Coilcraft	5	6	30	0.7900	3.95	23.7			
26	2	P1-P2	CONNECTOR, 96 PIN DIN, RIGHT ANGLE	AMP		532505-1	650473-5	Mouser	3	6	14	3.7300	11.19	52.22			
27	3	R1-R3	RESISTOR,1/16W,1%,CHIP	DALE	200	CRCW06032000FRT1	CRCW0603200RFKEA	Digi-Key	10	6	20	0.0810	0.81	1.62			
28	1	R4	RESISTOR,1/16W,1%,CHIP	DALE	100	CRCW06031000FRT1	CRCW0603100RFKEA	Digi-Key	10	6	10	0.0810	0.81	0.81			
29	2	R5-R6	RESISTOR,1/16W,5%,CHIP	PANASONIC	4.7K	ERJ-3GEYJ472V		Digi-Key	10	6	20	0.0710	0.71	1.42			
30	3	R7-R9	RESISTOR,1/16W,1%,CHIP	DALE	10K	CRCW06031002FRT1	CRCW060310K0FKEA	Digi-Key	10	6	20	0.0810	0.81	1.62			
31	2	R10-R11	RES 2.37K OHM 1/16W 1% 0402 SMD	PANASONIC	2.37K	ERJ-2RKF2371X		Digi-Key	10	6	20	0.0980	0.98	1.96			
32	25	R12-R36	RESISTOR, 1/16 W ,1% CHIP	PANASONIC	10k	ERJ-2GEJ103X		Digi-Key	50	6	180	0.0436	2.18	7.848			
33	1	R37	1.62k ohm 1% .063w RESISTOR	YAGEO CORP.	1.62K	9T04021A1621FBHF3	CRCW04021K62FKED	Digi-Key	10	6	10	0.0830	0.83	0.83			
34	2	R38-R39	RES 4.99K OHM 1/16W 1% 0402 SMD	PANASONIC	4.99K	ERJ-2RKF4991X		Digi-Key	10	6	20	0.0980	0.98	1.96			
35	1	R40	RESISTOR,1/16W,1%,CHIP	DALE	62	CRCW080562R0F	CRCW080562R0FKEA	Digi-Key	10	6	10	0.0890	0.89	0.89			
36	15	R41-R55	200 ohm .125w 1% RESISTOR	YAGEO AMERICA	200	9C08052A2000FKHFT	RC0805FR-07200RL	Digi-Key	20	6	110	0.0740	1.48	8.14			
37	8	R56-R63	RES 10.0K OHM 1/20W 1% 0201 SMD	VISHAY DALE	10K	CRCW020110K0FNED	CRCW020110K0FKED	Digi-Key	10	6	60	0.2640	2.64	15.84			
38	4	R64-R67	RES 121 OHM 1/16W 1% 0402 SMD	VISHAY DALE	121	CRCW0402121RFNED	CRCW0402121RFKED	Digi-Key	10	6	30	0.0830	0.83	2.49			
39	2	R68-R69	RESISTOR, 1/4W, 1%, FILM	DALE	121	RLR07C1210F	ERO-S2PHF1200	Digi-Key	10	6	20	0.1710	1.71	3.42			
40	1	SW1	SPDT SWITCH	C & k		7101MD9ABE		Digi-Key	2	6	7	6.3500	12.7	44.45			
41	1	SW2	PC MOUNT RIGHT ANGLE SW.	C&K		8121SD9AGE		Digi-Key	2	6	7	10.5500	21.1	73.85			
42	1	SW3	16 POSITION HEXADECIMAL PUSHWHEEL ROTARY SWITCH, 5-pin header	APEM		PICOD301AL2	89F4554	Newark		6			0	0			
43	1	SW4	10 POSITION BCD PUSHWHEEL ROTARY SWITCH, 5-pin header	APEM		PICOD131AL2	89F4554	Newark		6			0	0			
44	2	TP1-TP2	PROBE TEST POINT			TPOINT_2P				6			0	0	DNI		
45	4	TP3-TP6	SURFACE MOUNT TEST POINT ON TAPE AND REEL	KEYSTONE		5015		Digi-Key	5	6	30	0.9100	4.55	27.3	NOTE: Digi-Key PN 5015KCT-ND		
46	5	U1-U5	UNIVERSAL BUS TRANSCEIVER WITH SPLIT LVTTL, FEEDBACK, AND 3-STATE OUTPUT	TEXAS INSTRUMENTS		SN74VMEH22501ADGGR		Digi-Key	6	6	36	5.1800	31.08	186.48			
47	1	U6	PLATFORM FLASH IN-SYSTEM CONFIG PROMs	XILINX		XCF02SV020C	XCF02SV0G20C	Digi-Key	2	6	7	4.2500	8.5	29.75	(Lead-free)		
48	1	U7	SPARTAN-3 FPGA 256 PIN	XILINX		XC3S200FT256	XC3S200-4FTG256C	Digi-Key	2	6	7	22.2000	44.4	155.4	NOTE: Lead-free package!		
49	3	U10-U12	LOW VOLTAGE, 4A DC/DC POWER SUPPLY	LINEAR TECHNOLOGY		LTM4604	LTM4604EV#PBF	Digi-Key	4	6	22	18.0800	72.32	397.76			
50	2	U15-U16	3.0V - 5.5V LOW POWER TRANSMITTER	INTERSIL		ISL3295E	ISL3295EIHZ-T	Digi-Key	3	6	18	2.1500	6.45	38.7			
51	3	U17-U19	5V TO 3V OCTAL TRANSCEIVER	FAIRCHILD		74LVX4245WM		Digi-Key	4	6	24	1.1400	4.56	27.36			
52	2	U22-U23	Optical Transceiver	AVAGO		AFBR-57M5APZ		Future Electronics	3	6	13	35.8400	107.52	465.92			
53	1	U28	OSC 25 MHZ 3.3V SMD	KYOCERA	25	KC3225A25.0000C30E00		Digi-Key	2	6	7	2.9700	5.94	20.79			
54	2		SFP Cage for Optical Transceiver (item 50)	Finisar			V23838-S5-N1	Digi-Key	2	6	13	6.1500	12.3	79.95			
55	2		SFP Connector for Optical Transceiver (item 50)	Molex			74441-0001	Digi-Key	2	6	13	2.8000	5.6	36.4			
56	100		low profile socket pins, for 0.025" square posts (MOD5270) (item 20)	Mill-Max			0305-2-15-15-47-27-10	Digi-Key	120	6	1000	0.2937	35.244	195.8			
57	90		low profile socket pins, for 0.020" round pins (G-Link, DLP-2232) (items 21, 24)	Mill-Max			0552-2-15-15-11-27-10	Digi-Key	110	6	1000	0.0957	10.527	63.8			
57	5	Q1-Q5	DIGITAL FET, N-CHANNEL	FAIRCHILD		FDV303N		Team Technologies	10	6	35	0.0800	0.8	2.233			
							TOTALS						747.025	3138.08			