Bill of Materials

TITLE		FX2LP-18 DVK		***ALL COMPONENTS ARE ROHS COMPLIANT***			
PCA #		121-31700	**Revision**	**			
SCH #		REF-13466	**Revision**	**			
DATE		4/6/2006					
							For ENG qty orders
Item	**Qty**	**CY Part Number**	**Reference**	**Part**	**Manufacturer**	**Mfr Part Number**	**Digi-key Part Numbers**
1	28	TMP	C1,C2,C3,C7,C8,C9,C11,	CAP .1UF 50V CERAMIC X7R 0805	Panasonic - ECG	ECJ-2YB1H104K	PCC1840TR-ND
			C13,C14,C15,C17,C18,C22,				
			C23,C24,C28,C29,C33,C34,				
			C35,C38,C41,C42,C43,C44,				
			C45,C46,C47				
2	4	TMP	C4,C5,C36,C37	CAP 12PF 50V CERAMIC 0805 SMD	Panasonic - ECG	ECJ-2VC1H120J	PCC120CNTR-ND
3	2	TMP	C39,C10	CAPACITOR 1.0UF/16V TEH SER SMD	Kemet	T491A105M016AS	399-1584-2-ND
4	2	TMP	C40,C12	CAP 2.2UF 10V TANTALUM 20% 3216	AVX Corporation	TAJA225M010R	478-3027-2-ND
5	7	TMP	C16,C19,C20,C25,C26,C30,	CAP 10UF 16V TANTALUM 10% 3216	AVX Corporation	TAJA106K016R	478-1655-1-ND
			C31				
6	3	TMP	C21,C27,C32	CAP 0.01UF 50V CERAMIC X7R 0805	Panasonic - ECG	ECJ-2VB1H103K	PCC103BNTR-ND
7	3	TMP	D1,D2,D4	LED HI EFF RED CLEAR 1206 SMD	Chicago Miniature Lamp, Inc	CMD15-21VRC/TR8	L62201TR-ND
8	2	TMP	D5,D3	LED GREEN CLEAR 1206 SMD	Chicago Miniature Lamp, Inc	CMD15-21VGC/TR8	L62205TR-ND
9	9	TMP	JP1,JP2,JP4,JP5,JP6,JP8,	CONN HDR BRKWAY 2POS STR AU PCB	AMP/TYCO	1-87215-0	A26564-ND
			JP9,JP11,JP12				
10	2	TMP	J3,JP7	CONN HDR BRKWAY 3POS STR AU PCB	AMP/TYCO	3-641215-3	A30787-ND
11	1	TMP	JP10	CONN HDR BRKWAY 6POS STR AU PCB	AMP/TYCO	1-87215-2	A26568-ND
12	2	TMP	J4,J1	CONN HDR BRKWAY 4POS STR AU PCB	AMP/TYCO	87220-4	A26546-ND
13	1	TMP	J2	CONN USB RECEPT TYPE B PCB	AMP/TYCO	292304-1	A31725-ND
14	6	TMP	P1,P2,P3,P4,P5,P6	CONN HEADER/RECEPT 20POS DUAL ROW VERT	AMP/TYCO	87215-7	A26580-ND
15	1	TMP	P7	CONN HDR BRKWAY 40 POS STR DUAL	AMP/TYCO	4-87220-0	A26560-ND
16	1	TMP	P8	CONN D-SUB 9 PIN RECEPTACLE RIGHT ANGLE	AMP/TYCO	5747844-4	A32117-ND
17	1	TMP	R1	RES 1M OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ105V	P1.0MATR-ND
18	7	TMP	R2,R12,R14,R24,R30,R41,	RES 100K OHM 1/16W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ104V	P100KATR-ND
			R45				
19	7	TMP	R3,R20,R23,R29,R40,R46,	RES CHIP 0.0 OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEY0R00V	P0.0ATR-ND
			R51				
20	11	TMP	R4,R5,R6,R7,R8,R9,R10,	RES 390 OHM 1/16W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ391V	P390ATR-ND
			R11,R25,R38,R52				
21	8	TMP	R13,R15,R16,R17,R19,R22,R49,R50	RES 10K OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ103V	P10KATR-ND
22	2	TMP	R47,R48	RES 2.2K OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ222V	P2.2KATR-ND
23	3	TMP	R18,R21,R28	RES 22K OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ223V	P22KATR-ND
24	4	TMP	R26,R27,R34,R44	RES NO LOAD 0805 SMD	NA	NA	
25	1	TMP	R31	RES 330 OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ331V	P330ATR-ND
26	3	TMP	R32,R33,R43	RES 4.7K OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ472V	P4.7KATR-ND
27	1	TMP	R35	RES 33 OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ330V	P33ATR-ND
28	3	TMP	R36,R37,R39	RES 1K OHM 1/10W 5% 0805 SMD	Panasonic - ECG	ERJ-6GEYJ102V	P1.0KATR-ND
29	1	TMP	R42	RES 200 OHM 1/16W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ201V	P200GTR-ND
30	4	N/A	SP1,SP2,SP3,SP4	SOLDER PADS, 0603 PACKAGE			
31	2	TMP	SW1,SW2	SWITCH SLIDE MINI SPDT PCMNT SLV	ITT Industries, C&K Div	1101M2S3CQE2	CKN5001-ND
32	6	TMP	S1,S2,S3,S4,S5,S6	LT SWITCH 6MM 100GF H=7MM TH	Panasonic - ECG	EVQ-PBC07K	P8015S-ND
33	6	TMP	TP1,TP2,TP3,TP4,TP5,TP6	TEST POINT 43 HOLE 65 PLATED BLACK	Keystone Electronics	5001	5001K-ND
34	1	TMP	TP9	TEST POINT 43 HOLE 65 PLATED ORANGE	Keystone Electronics	5003	5003K-ND
35	1	TMP	TP10	TEST POINT 43 HOLE 65 PLATED RED	Keystone Electronics	5000	5000K-ND
36	1	TMP	U1	SEVEN SEGMENT DISPLAY, LOW CURRENT, DIP	Avago Technologies US Inc.	HDSP-E101	516-1226-5-ND
37	2	TMP	U4,U2	IC REMOTE I/O EXPANDER 16-SOIC	PHILIPS SEMICONDUCTOR	PCF8574T	568-1076-5-ND
38	1	CY7C68053-56BAXI	U3	IC, FX2LP 1.8V HIGH-SPEED USB VFBGA 56	Cypress Semiconductor	CY7C68053-56BAXI	
39	2	TMP	U5,U8 **Socketed**	IC SERIAL EEPROM 1K 1.8V DIP8	Microchip Technology	24AA01-I/P	24AA01-I/P-ND
39a	2	TMP	U5,U8 Socket	Assmann Electronics Inc	Assmann Electronics Inc	AR08-HZL/07-TT-R	AE10034-ND

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40	1	TMP	U6	IC REGULATOR LDO 3.3V 500MA SO8	Linear Technology	LT1763CS8-3.3#PBF	LT1763CS8-3.3#PBF-ND
41	2	TMP	U13,U7 **Socketed**	IC SERIAL EEPROM 128K 1.8V DIP8	Microchip Technology	24AA128-I/P	24AA128-I/P-ND
41a	2	TMP	U13,U7 Socket	Assmann Electronics Inc	Assmann Electronics Inc	AR08-HZL/07-TT-R	AE10034-ND
42	1	TMP	U9	IC REGULATOR LDO 2.5V 500MA SO8	Linear Technology	LT1763CS8-2.5#PBF	LT1763CS8-2.5#PBF-ND
43	1	TMP	U10	IC REGULATOR LDO 3.3V 500MA SO8	Linear Technology	LT1763CS8-1.8#PBF	LT1763CS8-1.8#PBF-ND
44	1	CY7C68013A-100AXC	U11	IC, High speed USB microcontroller, TQFP100	Cypress Semiconductor	CY7C68013A-100AXC	
45	1	TMP	U12	IC DR/RECV LOPWR RS232 3.3V SOIC16	Linear Technology	LTC1386CS#PBF	LTC1386CS#PBF-ND
46	2	TMP	Y2,Y1	CRYSTAL 24.000MHZ 20PF HC-49/US	ECS Inc.	ECS-240-20-4	X442-ND
47	1	PCB	PCB	PRINTED CIRCUIT BOARD	Cypress Semiconductor	PCB: PDR-9317 REV **	
48	13	** SEE ASSY DWG **	** SEE ADDITIONAL ASSY INST.**	SHUNTS 2 POSITION	SULLINS	SSC02SYAN	S9002-ND
49	1		LABEL (DO NOT PLACE NEAR J1)	SERIAL NUMBER		XXXXXX	
50	1	PCA: 121-25300	LABEL (DO NOT PLACE NEAR J1)	ASSEMBLY NUMBER	PCA: 121-31700	PCA: 121-31700	
51	6	** SEE ASSY DWG **	** SEE ADDITIONAL ASSY INST.**	FEET RUBBER SELF ADHESIVE	3M	SJ-5518-BLACK	
Additional Assembly Instructions							
1	Place one shunt on each of the following jumpers: JP1,2,4,5,6,8,9,11,12						
2	Place one shunt on pins 1 and 2 of each of the following jumpers: JP7						
3	Place one shunt on pins 5 and 6 of each of the following jumpers: JP10						
4	Place the labels (items 49-50) on the top side of the board						