

Capture CIS Standard Bill Of Materials - Standard Report
Report Created on Thursday May 16 09:19:28 2015

Schematic Name = SchematicHE-CPF-P2

Doc = 100221251

Page Modify Date = Wednesday, May 15, 2019

Design File Name = X:\CPF\ELECTRICAL ENGR\ORCAD PROJECTS\EDS STUFF\LOWER HALF ELEX P2\SCHEMATICS\100221251 CPF LOWER HALF ELEX P2.DSN

Engineer = Mellinger

Item Nur	Quantity	Part Reference	Value	Tolerance	Ratir	Description	Manufacturer	Manufacturer PN	PART_NUMBER
1	13	C1 C3 C4 C5 C6 C8 C11 C20 C21 C22 C37 C41 C44	0.1uF	10%		CAP CER 0.1UF 25V X7R 0603	TDK Corporation	CGA3E2X7R1E104K080AA	CGA3E2X7R1E104K080AA
2	2	C2 C7	0.1uF	±5%		CAP CER 0.1UF 50V 5% X7R 0805	AVX Corporation	08055C104JAT2A	08055C104JAT2A
3	3	C9 C12 C36	1.0uF	±10%		CAP CER 1UF 50V 10% X7R 0805	Kemet	C0805C105K5RACTU	C0805C105K5RACTU
4	4	C10 C13 C23 C45	10uF	±20%		CAP CER 10UF 16V 20% X7R 0805	Taiyo Yuden	EMK212BB7106MG-T	EMK212BB7106MG-T
5	12	C14 C15 C16 C17 C18 C19 C30 C31 C32 C33 C34 C35	0.1uF	10%		CAP CER 0.1UF 50V X7R 0603	Murata Electronics North America	GCJ188R71H104KA12D	GCJ188R71H104KA12D
6	2	C24 C26	0.10uF	10%		CAP .10UF 50V CERAMIC X7R 0805	Kemet	C0805C104K5SRAC	C0805C104K5SRAC
7	1	C25	47,000.0pF	10%			Kemet	C0603C473K5SRAC	C0603C473K5SRAC
8	2	C28 C29	15pF	±5%		CAP CERAMIC 15PF 50V NPO 0805	Kemet	C0805C150J5GACTU	C0805C150J5GACTU
9	2	C38 C39	1uF	10%		CAP CER 1UF 25V X7R 0603	TDK Corporation	CGA3E1X7R1E105K080AC	CGA3E1X7R1E105K080AC
10	1	C40	10,000.0pF	10%		CAP CER 10000PF 100V X7R 0603	Kemet	C0603C103K1RACTU	C0603C103K1RACTU
11	2	C42 C43	100uF	20%		CAP ALUM POLY HYB 100UF 50V SMD	Panasonic Electronic Components	EEH-ZA1H101P	EEH-ZA1H101P
12	4	D1 D9 D10 D11	SM8S36AHE3/2D			TVS DIODE 36VWM 58.1VC DO218AB	Vishay Semiconductor Diodes Division	SM8S36AHE3/2D	SM8S36AHE3/2D
13	2	D2 D7	CUS08F30,H3F			DIODE SCHOTTKY 30V 800MA USC	Toshiba Semiconductor and Storage	CUS08F30,H3F	CUS08F30,H3F
14	2	D3 D5	SMBJ33A			TVS DIODE 33V 53.3V DO214AA	Vishay Semiconductor Diodes Division	SMBJ33AHE3/52	SMBJ33AHE3/52
15	3	D4 D6 D8	SMBJ5.0A-13-F			TVS 600W 5.0V UNIDRECT SMB	Diodes Inc	SMBJ5.0A-13-F	SMBJ5.0A-13-F
16	3	D12 D13 D14	BA519-7-F			DIODE SWITCH 100V 250MW SOT23-3	Diodes Inc	BA519-7-F	BA519-7-F
17	9	D15 D16 D17 D18 D19 D20 D21 D22 D23	LTST-C190GKT			LED GREEN CLEAR 0603 SMD	Lite-On Inc	LTST-C190GKT	LTST-C190GKT
18	1	F1	0154003.DR			FUSE FAST 125VAC, 125VDC 3A SMD	Littelfuse Inc	0154003.DR	0154003.DR
19	1	F2	015406.3DR			FUSEBLOCK W/6.3A FUSE SMD FAST	Littelfuse Inc	015406.3DR	015406.3DR
20	1	F3	0452012.MRL			FUSE BRD MNT 12A 72VAC 60VDC SMD	Littelfuse Inc.	0452012.MRL	0452012.MRL
21	2	J1 J3	M80-5100842			2X4 POS MALE VERT 3M TAIL	Harwin Inc.	M80-5100842	M80-5100842
22	1	J2	M80-5100442			2X2 POS MALE VERT 3M TAIL	Harwin Inc.	M80-5100442	M80-5100442
23	1	J4	M80-5000000M3-04-332-00-00C			CONN HEADER VERT 4POS 4MM	Harwin Inc.	M80-5000000M3-04-332-00-00C	M80-5000000M3-04-332-00-00C
24	1	J7	M80-5000000M3-06-332-00-00C			CONN HEADER VERT 6POS 4MM	Harwin Inc.	M80-5000000M3-06-332-00-00C	M80-5000000M3-06-332-00-00C
25	4	JP1 JP4 JP5 JP6	LS=0.100"			MISC 2 PIN JUMPER 0.100" PITCH 0.025" SQ			MISC_JMPR-TH-2PIN
26	2	JP2 JP3	LS=0.100"			MISC 3 PIN JUMPER 0.100" PITCH 0.025" SQ			MISC_JMPR-TH-3PIN
27	2	K1 K2	S4EB-24V			RELAY GEN PURPOSE 4PST 4A 24V	Panasonic Electric Works	S4EB-24V	S4EB-24V
28	7	L1 L2 L4 L5 L6 L7 L8	MMZ1608S601A			FERRITE CHIP 600 OHM 500MA 0603	TDK Corporation	MMZ1608S601A	MMZ1608S601A
29	3	L3 L9 L10	BNX024H01L			EMI/RFI Suppressors & Ferrites 100M Ohm 15A SMD	Murata	BNX024H01L	BNX024H01L
30	6	P1 P2 P3 P4 P5 P6	CB07W2M35S000			Conn D-Sub 7W2 Vert Solder	Positronic	CB07W2M35S000	CB07W2M35S000
31	12	Q10 Q11 Q12 Q13 Q1 Q2 Q3 Q4 Q5 Q6 Q8 Q9	SI4909DY-T1-GE3			MOSFET 2P-CH 40V 8A 850	Vishay Siliconix	SI4909DY-T1-GE3	SI4909DY-T1-GE3
32	1	Q7	PSMN1R5-30BLEJ			MOSFET N-CH 30V 120A D2PAK	Nexperia USA Inc.	PSMN1R5-30BLEJ	PSMN1R5-30BLEJ
33	2	R1 R7	47.0K	5%			Vishay	CRCW060347K0JNEA	CRCW060347K0JNEA
34	5	R2 R31 R33 R34 R35	10.0K	1%		RES SMD 10K OHM 1% 1/10W 0603	Vishay	CRCW060310K0FKEA	CRCW060310K0FKEA
35	2	R3 R16	698.0K	1%			Vishay	CRCW0603698KFKEA	CRCW0603698KFKEA
36	2	R4 R17	68.1K	1%			Vishay	CRCW060368K1FKEA	CRCW060368K1FKEA
37	4	R5 R6 R28 R29	TBD			TO BE DETERMINED, HEIGHT 0.022"			TBD_R0603
38	1	R8	2.00K	1%			Vishay	CRCW06032K00FKEA	CRCW06032K00FKEA
39	4	R9 R11 R12 R41	4.70K	5%			Vishay	CRCW06034K70JNEA	CRCW06034K70JNEA
40	4	R10 R13 R21 R40	1	1%			Vishay	CRCW06031R00FKEA	CRCW06031R00FKEA
41	2	R14 R30	2.2k	±5%		RES 2.2K OHM 1/2W 5% 1210 SMD	Panasonic Electronic Components	ERJ-14YJ222U	ERJ-14YJ222U
42	2	R15 R18	100k	5%		RES ARRAY 8 RES 100K OHM 2512	Panasonic Electronic Components	EXB-A10P104J	EXB-A10P104J
43	1	R22	0.005	1%		RES SMD 0.005 OHM 1% 1W 2512	Vishay Dale	WSL2512S1000FEA	WSL2512S1000FEA
44	1	R23	10	1%			Vishay	CRCW060310R0FKEA	CRCW060310R0FKEA
45	1	R24	22.1K	1%			Vishay	CRCW060322K1FKEA	CRCW060322K1FKEA
46	1	R25	1.00M	5%		RES SMD 1M OHM 5% 1/10W 0603	Vishay	CRCW06031M00JNEA	CRCW06031M00JNEA
47	1	R26	33	5%			Vishay	CRCW060333R0JNEA	CRCW060333R0JNEA
48	1	R27	53.6K	1%			Vishay	CRCW060353K6FKEA	CRCW060353K6FKEA
49	1	R32	1.18K	1%			Vishay	CRCW06031K18FKEA	CRCW06031K18FKEA
50	1	R36	48.7K	1%			Vishay	CRCW060348K7FKEA	CRCW060348K7FKEA
51	1	R37	25k	10%		TRIMMER 25K OHM 0.5W	TT Electronics/BI	67WR25KLF	67WR25KLF
52	1	R38	100	5%			Vishay	CRCW0603100RJNEA	CRCW0603100RJNEA
53	1	R39	0.0	Jumper		RES 0.0 OHM 1/10W 0603 SMD	Vishay/Dale	CRCW06030000Z0EA	CRCW06030000Z0EA
54	6	R42 R43 R44 R45 R46 R47	620	5%			Vishay	CRCW0603620RJNEA	CRCW0603620RJNEA

55	3	R48 R49 R50	5.10K	5%		Vishay	CRCW06035K10JNEA	CRCW06035K10JNEA
56	1	R51	0	Jumper	RES SMD 0 OHM JUMPER 1/2W 20 Amp 0805	Keystone Electronics	5106	5106
57	14	SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11 SB12	0603		MISC 2 PIN JUMPER SOLDER BRIDGE 0603			MISC_SOLDERBRIDGE_SM0603
58	1	TP1	5127		TEST POINT PC MULTI PURPOSE BLUE	Keystone Electronics	5127	5127
59	1	TP2	5129		TEST POINT PC MULTI PURPOSE PRPL	Keystone Electronics	5129	5129
60	3	TP3 TP14 TP19	YELLOW		TEST POINT PC COMPACT .063"D YEL	Keystone Electronics	5009	5009
61	3	TP4 TP15 TP20	BLACK		TEST POINT PC COMPACT .063"D BLK	Keystone Electronics	5006	5006
62	4	TP5 TP6 TP11 TP12	RED		TEST POINT PC COMPACT .063"D RED	Keystone Electronics	5005	5005
63	4	TP7 TP10 TP13 TP18	BROWN		TEST POINT PC COMPACT T/H BROWN	Keystone Electronics	5120	5120
64	2	TP8 TP9	5010		TEST POINT PC MULTI PURPOSE RED	Keystone Electronics	5010	5010
65	1	TP16	ORANGE		TEST POINT PC COMPACT .063"D ORN	Keystone Electronics	5008	5008
66	2	TS1 TS2	824011		TVS DIODE 5VWM 8.5VC SOT23	Würth Electronics Inc	824011	824011
67	2	U1 U6	MC14536BDWG		IC OSC PROG TIMER 2MHZ 16SOIC	ON Semiconductor	MC14536BDWG	MC14536BDWG
68	1	U2	MC74HC161ADG		IC COUNTER 4BIT PRESET 16SOIC	ON Semiconductor	MC74HC161ADG	MC74HC161ADG
69	1	U3	SN74HC138QDRG4Q1		IC DECODER/DEMUX 3-8LINE 16SOIC	Texas Instruments	SN74HC138QDRG4Q1	SN74HC138QDRG4Q1
70	2	U4 U30	LTC2934ITS8-2#TRMPBF		IC SUPERVISOR ADJ LP TSOT23-8	Linear Technology	LTC2934ITS8-2#TRMPBF	LTC2934ITS8-2#TRMPBF
71	9	U5 U11 U12 U26 U27 U28 U46 U47 U48	SN74LVC1G00DBVR		IC NAND GATE 2-IN SOT-23-5	Texas Instruments	SN74LVC1G00DBVR	SN74LVC1G00DBVR
72	2	U7 U13	TPS7A1650DGNR		IC REG LDO 5V 0.1A 8MSOP	Texas Instruments	TPS7A1650DGNR	TPS7A1650DGNR
73	1	U8	MC74HC174ADG		IC FF D-TYPE SNGL 6BIT 16SOIC	ON Semiconductor	MC74HC174ADG	MC74HC174ADG
74	1	U9	74LVC1G27GV,125		IC GATE NOR 1CH 3-INP 6TSOP	Nexperia USA Inc.	74LVC1G27GV,125	74LVC1G27GV,125
75	1	U10	SN74LVC1G74DCUR		IC SGL POS EDG TRIG D F-F US8	Texas Instruments	SN74LVC1G74DCUR	SN74LVC1G74DCUR
76	6	U14 U16 U18 U34 U36 U38	ADG802BRTZ-500RL7		IC SWITCH SPST SOT23-6	Analog Devices Inc.	ADG802BRTZ-500RL7	ADG802BRTZ-500RL7
77	6	U15 U17 U19 U35 U37 U39	ADG1611BRUZ		IC SWITCH QUAD SPST 16TSSOP	Analog Devices Inc.	ADG1611BRUZ	ADG1611BRUZ
78	12	U20 U21 U22 U23 U24 U25 U40 U41 U42 U43 U44 U45	LTC4412HV		IC OR CTRLR SRC SELECT TSOT23-6	Linear Technology/Analog Devices	LTC4412HVIS6#TRPBF	LTC4412HV
79	2	U29 U31	TCA6408APWR		IC I/O EXPANDER I2C 8B 16TSSOP	Texas Instruments	TCA6408APWR	TCA6408APWR
80	1	U32	LTC2946CMS#PBF		IC ENERGY MONITOR I2C 16MSOP	Linear Technology	LTC2946CMS#PBF	LTC2946CMS#PBF
81	1	U33	LTC4380IMS-3#PBF		IC LOW CUR SURGE STOPPER 10MSOP	Linear Technology	LTC4380IMS-3#PBF	LTC4380IMS-3#PBF
82	1	U49	LT3010EMS8E#PBF		IC REG LDO ADJ 50MA 8MSOP	Linear Technology	LT3010EMS8E#PBF	LT3010EMS8E#PBF
83	1	U50	LT1782CSS		IC OPAMP GP 225KHZ RRO TSOT23-5	Linear Technology	LT1782CSS#TRMPBF	LT1782CSS#TRMPBF
84	1	U52	TPS76933DBVR		IC REG LDO 3.3V 0.1A SOT23-5	Texas Instruments	TPS76933DBVR	TPS76933DBVR
85	1	U53	PCA9512		IC ACCELERATOR I2C HOTSWAP 8SO	NXP USA Inc.	PCA9512AD,118	PCA9512AD,118
86	1	Y1	4MHz		CRYSTAL 4.000MHZ 20PF SMD	ECS Inc	ECS-40-20-5P-TR	ECS-40-20-5P-TR