Engineering Bill of Materials



Project Name:	UCC28630
Project File:	PMP9643E1.PrjPCB
Base ID:	PMP9643
PCB Rev:	E1
Schematic Rev:	E1
Assembly Variant:	001
Generated:	24/03/2014 11:05:37

Item	Designator	Description	Manufacturer	PartNumber	Quantity	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number
1	!PCB1	Printed Circuit Board	Any	PMP9643	Quantity	Supplier i	Supplier Fart Number 1	Supplier 2	Supplier Fait Number
2	BR1	Diode, Switching-Bridge, 800V, 4A, TH	Vishav-Semiconductor	GBU4K-E3/45	1	Digi-Kev	GBU4K-E3/45GI-ND	Mouser	625-GBU4K-E3
3	C1	CAP, Film, 0.33uF, 630V, +/-20%, TH	Vishay-Semiconductor Vishay-Bccomponents	BFC233840334	1	Mouser	594-222233840334	Farnell	1166449
4	C2	CAP, AL, 22uF, 25V, +/-20%, TH	Rubycon	25ML22MEFC5X5	1	Digi-Key	25ML22MEFC5X5-ND	Farnell	8126402
	C3			12063C105KAT2A	1		478-1567-1-ND		
5	C3	CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	AVX Kemet	C0603C105KA12A	1	Digi-Key	399-1281-1-ND	Mouser	581-12063C105K 80-C0603C104K3R
7	C5	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603			1	Digi-Key		Mouser	
′	C5	CAP, AL, 100uF, 400V, +/-20%, TH	Rubycon	400KXW100MEFC16X30	1	Digi-Key	400KXW100MEFC16X30-ND	Farnell	8126844
8	C6	CAP, CERM, 120pF, 50V, +/-5%, C0G/NP0, 0603	AVX	06035A121JAT2A	1	Digi-Key	478-1176-1-ND	Mouser	581-06035A121J
9	C7	CAP, AL, 27uF, 400V, +/-20%, TH	Nichicon	UCY2G270MHD1TO	1	Digi-Key	493-4825-1-ND		
10	C9	CAP, CERM, 2200pF, 250V, +/-20%, E, Disc 10x8mm	MuRata	DE1E3KX222MA5BA01	1	Digi-Key	490-7048-ND	Mouser	81-DE1010E222M
11	C11	CAP, AL, 680uF, 35V, +/-20%, 0.019 ohm, TH	Nichicon	UHW1V681MPD6	1	Digi-Key	493-6804-ND		
12	C12	CAP, AL, 680uF, 35V, +/-20%, 0.019 ohm, TH	Nichicon	UHW1V681MPD6	1	Digi-Key	493-6804-ND		
13	C13	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	AVX	08055C105KAT2A	1	Digi-Key	478-7956-1-ND	Mouser	581-08055C105KAT2A
14	C14	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0805	AVX	08051C102KAT2A	1	Digi-Key	478-1352-1-ND	Mouser	581-08051C102K
15	C15	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	AVX	06035A100JAT2A	1	Digi-Key	478-1163-1-ND	Mouser	581-06035A100J
16	C16	CAP, CERM, 10pF, 200V, +/-5%, C0G/NP0, 1206	AVX	12062A100JAT2A	1	Digi-Key	12062A100JAT2A-ND	Mouser	581-12062A100JAT2A
17	D1	Diode, Ultrafast, 200V, 1A, SMA	Diodes Inc.	ES1D-13-F	1	Digi-Key	ES1D-FDICT-ND	Mouser	621-ES1D-F
18	D2	Diode, P-N, 1000V, 1A, TH	Fairchild Semiconductor	1N4007	1	Digi-Key	1N4007FSCT-ND	Mouser	512-1N4007
19	D3	Diode, P-N, 1000V, 1A, TH	Fairchild Semiconductor	1N4007	1	Digi-Key	1N4007FSCT-ND	Mouser	512-1N4007
20	D4	Diode, Switching, 70V, 0.25A, SOT-23	Vishay-Semiconductor	BAV70-V	1	Digi-Key	BAV70-V-GS08CT-ND	Mouser	625-BAV70-V
21	D5	Diode, Ultrafast, 100V, 0.25A, SOD-323	NXP Semiconductor	BAS316.115	1	Digi-Key	568-5003-1-ND	Farnell	8734275
22	D6	Diode, Ultrafast, 600V, 1A, SMB	Diodes Inc.	MURS160-13-F	1	Digi-Key	MURS160-FDICT-ND	Mouser	621-MURS160-F
23	D7	DIODE SCHOTTKY 150V 10A TO220AB	Vishay Semiconductor Diodes Division	MBR20H150CT-E3/45	1	Digi-Key	MBR20H150CT-E3/45GI-ND		
24	D8	Diode, Zener, 82V, 550mW, SMB	ON Semiconductor	1SMB5947BT3G	1	Mouser	863-1SMB5947BT3G	Farnell	1887115
25	D8	Diode, Zener, 100V, 550mW, SMB	ON Semiconductor	1SMB5947BT3G	1	Mouser	863-1SMB5947BT3G	Farnell	1431186
26	F1	Fuse, 3.15A, 250V, TH	Littelfuse	39213150000	1	Digi-Key	F5504CT-ND	Mouser	576-3921315000
27	H1	MACHINE SCREW PAN PHILLIPS M3	B&F Fastener Supply	MPMS 003 0005 PH	1		H742-ND	wouser	576-3921315000
	H2		B&F Fastener Supply	MPMS 003 0005 PH	1	Digi-Key	H742-ND		
28		MACHINE SCREW PAN PHILLIPS M3			1	Digi-Key	H/42-ND		
29	H3	HEX STANDOFF M3 ALUMINUM 5MM	Keystone Electronics	24430					
30	H4	HEX STANDOFF M3 ALUMINUM 5MM	Keystone Electronics	24430	1	D: : ! /	LITTE NID		
31	H5	MACHINE SCREW PAN PHILLIPS M3	B&F Fastener Supply	MPMS 003 0005 PH	1	Digi-Key	H742-ND		
32	H6	MACHINE SCREW PAN PHILLIPS M3	B&F Fastener Supply	MPMS 003 0005 PH		Digi-Key	H742-ND		
33	H7	HEX STANDOFF M3 ALUMINUM 5MM	Keystone Electronics	24430	1				
34	H8	HEX STANDOFF M3 ALUMINUM 5MM	Keystone Electronics	24430	1				
35	HS1	BOARD LEVEL HEATSINK .375" TO-220	Aavid Thermalloy	7173DG		Digi-Key	HS415-ND		
36	HS2	BOARD LEVEL HEATSINK .375" TO-220	Aavid Thermalloy	7173DG	1	Digi-Key	HS415-ND		
37	J2	Output Connector	TE Connectivity	1546927-2	1				
38	J3	Output Connector	TE Connectivity	1546927-2	1				
39	L1	Inductor, Toroid, 4.5mH, 0.05 ohm, TH	Renco Electronics	RLTI-1099	1				
40	L2	Inductor, Toroid, 47.7uH, 0.04 ohm, TH	Renco Electronics	RLTI-1098	1				
41	LED1	LED, Green, TH	Everlight	HLMP1523	1	Digi-Key	HLMP1523EL-ND	Mouser	638-HLMP1523
42	Q1	MOSFET, N-CH, 600V, 11A, TO-220 FullPAK	ST Microelectronics	STF13NM60ND	1	Digi-Key	497-13865-5-ND	Mouser	511-STF13NM60ND
43	R1	RES, 4.70 ohm, 1%, 0.125W, 0805	Panasonic	ERJ-6RQF4R7V	1	Digi-Key	P4.7DCT-ND	Mouser	667-ERJ-6RQF4R7V
14	R2	RES, 100k ohm, 1%, 0.25W, 1206	Yageo America	RC1206FR-07100KL	1	Digi-Key	311-100KFRCT-ND	Mouser	603-RC1206FR-07100KL
45	R3	RES, 100k ohm, 1%, 0.25W, 1206	Yageo America	RC1206FR-07100KL	1	Digi-Key	311-100KFRCT-ND	Mouser	603-RC1206FR-07100KL
46	R4	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA	1	Digi-Key	541-100HCT-ND	Mouser	71-CRCW0603-100-E3
17	R5	RES, 1.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K00FKEA	1	Digi-Key	541-1.00KHCT-ND	Mouser	71-CRCW0603-1.0K-E3
18	R6	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1	Digi-Key	541-0.0GCT-ND	Mouser	71-CRCW0603-0-E3
19	R7	RES, 22.6k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW120622K6FKEA	1	Digi-Key	541-22.6KFCT-ND	Mouser	71-CRCW1206-22.6K-E3
50	R8	RES, 47k ohm, 5%, 0.25W, 1206	Vishay Dale	CRCW120647K0FKEA	1	,			
51	R9	RES, 220k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-07220KL	1	Digi-Key	311-220KHRCT-ND	Mouser	603-RC0603FR-07220KL
52	R10	RES, 3,90k ohm, 1%, 0,1W, 0603	Yageo America	RC0603FR-073K9L	1	Digi-Key	311-3.90KHRCT-ND	Mouser	603-RC0603FR-073K9L
53	R10	RES, 47.0 ohm, 1%, 0.1W, 0603	Yageo America	RC1206FR-0747RL		Digi-Key Digi-Key	311-47.0FRCT-ND	Mouser	603-RC1206FR-0747RL

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54	R13	RES, 4.7 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12064R70JNEA	1	Digi-Key	541-4.7ECT-ND	Mouser	71-CRCW1206J-4.7-E3
55	R15	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1	Digi-Key	541-100KHCT-ND	Mouser	71-CRCW0603-100K-E3
56	R16	RES, 0.2 ohm, 1%, 2W, 2512	Stackpole Electronics Inc	CSRN2512FKR200	1	Digi-Key	CSRN2512FKR200CT-ND		
57	R18	RES, 12.0k ohm, 1%, 0.25W, 1206	Yageo America	RC1206FR-0712KL	1	Digi-Key	311-12.0KFRCT-ND	Mouser	603-RC1206FR-0712KL
58	R20	RES, 0 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12060000Z0EA	1	Digi-Key	541-0.0ECT-ND	Mouser	71-CRCW1206-0-E3
59	RT1	Thermistor NTC, 470k ohm, 5%, Disc, 5.5x5mm	EPCOS Inc	B57164K474J	1	Digi-Key	495-2084-ND	Mouser	871-B57164K474J
60	T1	RM10/I - P-1031 5-pin Bobbin			1				
61	TP1	Test Point, Compact, Red, TH	Keystone	5005	1	Digi-Key	5005K-ND		
62	TP2	Test Point, Compact, White, TH	Keystone	5007	1	Digi-Key	5007K-ND		
63	TP3	Test Point, Compact, Black, TH	Keystone	5006	1	Digi-Key	5006K-ND		
64	TP4	Test Point, Compact, Red, TH	Keystone	5005	1	Digi-Key	5005K-ND		
65	TP5	Test Point, Compact, Black, TH	Keystone	5006	1	Digi-Key	5006K-ND		
66	TP6	Test Point, Compact, Red, TH	Keystone	5005	1	Digi-Key	5005K-ND		
67	TP7	Test Point, Compact, Black, TH	Keystone	5006	1	Digi-Key	5006K-ND		
68	TP8	Test Point, Compact, Black, TH	Keystone	5006	1	Digi-Key	5006K-ND		
69	TP9	Test Point, Compact, Red, TH	Keystone	5005	1	Digi-Key	5005K-ND		
70	TP11	Test Point, Compact, Red, TH	Keystone	5005	1	Digi-Key	5005K-ND		
71	TP12	Test Point, Compact, Black, TH	Keystone	5006	1	Digi-Key	5006K-ND		
72	U1	Green-Mode Flyback Controller, D0007A	Texas Instruments	UCC28630D	1				
73	V1	Varistor, 430V, 4.5KA, TH	EPCOS Inc	B72214S0271K101	1	Digi-Key	495-1412-ND	Mouser	871-B72214S271K101
74	C10	CAP, CERM, 0.082uF, 16V, +/-10%, X7R, 0603	AVX	0603YC823KAT2A	0	Digi-Key	478-1238-1-ND	Mouser	581-0603YC823KAT2A
75	R17	RES, 1.00k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K00FKEA	0	Digi-Key	541-1.00KFCT-ND	Mouser	71-CRCW1206-1.0K-E3

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