

9/12/2013

PMP9103 REVB BOM

Designator	Quantity	Value	Description	Package	PartNumber	Mfr
C1	1	0.47uF	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	0603	GRM188R71C474KA88D	MuRata
C2	1	100uF	CAP, AL, 100uF, 100V, +/-20%, TH	10x20mm	100ZL100MEFC10X20	Rubycon
C3, C4, C5, C6	4	4.7uF	CAP, CERM, 4.7uF, 100V, +/-20%, X7S, 1210	1210	C3225X7S2A475M200AB	TDK
C7	1	1000pF	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H102K	TDK
C8	1	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805	C2012X7R2A104K	TDK
C9	1	470pF	CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H471J	TDK
C10, C11	2	10uF	CAP, CERM, 10uF, 50V, +/-20%, X7R, 1210	1210	C3225X7R1H106M250AC	TDK
C12	1		CAP, CERM, open	1210		
C13	1	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
D1	1	B3100	Diode, Schottky, 100V, 3A, SMC	SMC	B3100	Diodes Inc.
J1, J2	2		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	OST
L1	1	33uH	Inductor, Shielded Drum Core, Ferrite, 33uH, 2.42A, 0.08 ohm, SMD	MSS1048	MSS1048-333MLB	Coilcraft
Q1	1	Si7113DN	MOSFET, Fast Switching, PChan, -100V, 13.2A, 135milliohm	PWRPAK 1212	Si7113DN	Vishay
R1	1	619k	RES, 619k ohm, 1%, 0.1W, 0603	0603	CRCW0603619KFKEA	Vishay-Dale
R2	1	2.80k	RES, 2.80k ohm, 1%, 0.1W, 0603	0603	CRCW06032K80FKEA	Vishay-Dale
R3	1	499k	RES, 499k ohm, 1%, 0.1W, 0603	0603	CRCW0603499KFKEA	Vishay-Dale
R4	1	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
R5	1	1.13k	RES, 1.13k ohm, 1%, 0.1W, 0603	0603	CRCW06031K13FKEA	Vishay-Dale
R6	1	0.025	RES, 0.025 ohm, 1%, 0.5W, 1206	1206	CSR1206FK25L0	Stackpole
TP1, TP3, TP4, TP6	4	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP2, TP5	2	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U1	1	LM5085	75V Constant On-Time PFET Buck Switching Controller, 8-pin LLP, Pb-Free	SDA08A	LM5085SD/NOPB	TI

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