

Filename: PMP8522RevA - BoM.xls

Date: 1/22/2013

PMP8522RevA - Bill of Material

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C12	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	Std	Std
1	C10	0.01uF	CAP, CERM, 0.01uF, 6.3V, +/-10%, X7R, 0603	0603	Std	Std
1	C103	100pF	CAP, CERM, 100pF, 50V, +5%, C0G/NP0, 0603	0603	Std	Std
1	C104	470uF	CAP, AL, 35V, 28mOhm, 1.7A, 20%	10x16	EKZM350ELL471MJ16S	Chemi-Con
1	C11	47pF	CAP, CERM, 47pF, 50V, +/-5%, C0G/NP0, 0603	0603	Std	Std
3	C2, C4, C6	4.7uF	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1210	1210	Std	Std
1	C3	680uF	CAP, AL, 25V, 23mOhm, 1.8A, 20%	10x20	25ZL680M10X20	Rubycon
3	C7, C101, C102	1000pF	CAP, CERM, 1000pF, 16V, +/-10%, X7R, 0603	0603	Std	Std
1	C8	1uF	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	0603	Std	Std
1	C9	2.2uF	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0805	0805	Std	Std
1	D1	MBRD640	Diode, Schottky, 60V, 3A, DPAK	DPAK	MBRD640CTG	ON Semi
3	J1-J2, J4-J5, J6		CONN HEADER .312 VERT 2POS TIN	TH Header	1-1318301-2	AMP
1	L1	6.8uH	Inductor, SMT, 9mOhm, 13.0A rms, 13.0A sat	WE-HCC	7443320680	Wurth
1	Q1	40V	MOSFET, N-CH, 40V, 6.3mOhm, 58A	PowerPAK SO-8	SQJ858AEP	Vishay
1	Q2	40V	MOSFET, N-CH, 40V, 40mOhm, 6A	SOT-23	SQ2318ES	Vishay
1	Q3	60V	MOSFET, N-CH, 60V, 0.26A, SOT-23	SOT-23	2N7002ET1G	ON Semi
1	R1	12.4k	RES, 12.4k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R10	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R102	4.7	RES, 4.7 ohm, 5%, 0.1W, 0603	0603	Std	Std
1	R11	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	Std	Std
3	R12, R14, R15	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R13	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R17	511k	RES, 511k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R2	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	Std	Std
3	R3, R20, R101	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R4	21.0k	RES, 21.0k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R5	3.01k	RES, 3.01k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R6	0.01	RES, 0.01 ohm, 1%, 2W, 2512	2512	Std	Std
3	R7, R8, R103	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	Std	Std
1	R9	0.033	RES, 0.033 ohm, 1%, 0.5W, 1206	1206	Std	Std
1	U1		N-Channel Controllers for Constant Current LED Drivers	MXA20A	LM3423Q0MH/NOPB	Texas Instruments

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