

Filename: PMP3978_REVB_bom.xls

Date: 11/26/2008

PMP3978_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C10, C16	1.0uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	Std	TDK
2	C11, C13	0.047uF	Capacitor, Ceramic, 16V, X7R, 15%	0402	Std	TDK
1	C17	4.7uF	Capacitor, Ceramic, 6.3V, X7R, 15%	0603	Std	TDK
1	C21	3300pF	Capacitor, Ceramic, 50V, X7R, 15%	0402	Std	TDK
1	C22	22pF	Capacitor, Ceramic, 50V, X7R, 15%	0402	Std	TDK
4	C23, C24, C30, C31	330uF	Capacitor, Sanyo, POSCap, 4V, 18mohm, 20%	7343 (D)	4TPE330MI	Sanyo
2	C25, C26	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	Std	TDK
6	C4, C5, C6, C27, C28, C29	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	Std	TDK
3	C7, C8, C14	0.1uF	Capacitor, Ceramic, 16V, X7R, 15%	0402	Std	TDK
1	C9	10uF	Capacitor, Ceramic, 10V, X5R, 15%	0805	Std	TDK
2	D1, D2	MBR0520	Diode, Schottky, 0.5A, 40V	SOD-123	MBR0540	On Semi
2	L1, L2	0.82uH	Inductor, SMT, 16.5A, 4.9-milliohm	0.255 x 0.270 inch	IHLP2525EZ	Vishay
2	Q1, Q2	PH3230	Mosfet, N-Ch, 30V, 50A, 3.7 miliOhms	LFAK	PH3230	Philips
2	Q3, Q4	PH6325L	Mosfet, N-Ch, 25V, 81.4A, 8.9 miliOhms	LFAK	PH6325L	Philips
2	R15, R16	4.7	Resistor, Chip, 1/16W, 1%	0402	Std	Std
7	R17, R18, R19, R31, R39, R63, R70	10.0K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R24	57.6K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R26	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R30	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R33	100K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R34	1M	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R35	43.2K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R36	17.4K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
4	R37, R38, R40, R41	7.15K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	U1	TPS40140RHH	IC, 2 Phase, Stackable Controller	QFN-36	TPS40140RHH	TI

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