Filename: PMP2277_REVA_bom.xls

Date: 01/12/2007

PMP2277_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
6	C1, C2, C18, C19, C30, C31	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	Std	Std
3	C11, C25, C37	680uF	Capacitor, POS-Cap, 680uF, 4V, 0.010 Ohms, 20%, 7343	7343	4TPD680M	Sanyo
1	C12	0.047uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	Std	TDK
6	C13, C16, C26, C28, C38, C40	1.0uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	Std	TDK
3	C15, C27, C39	4.7uF	Capacitor, Ceramic, 10V, X5R, 15%	0603	Std	TDK
3	C17, C29, C41	1uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0402	Std	TDK
1	C3	470pF	Capacitor, Ceramic, 16V, X7R, 15%	0402	Std	TDK
2	C4, C14	0.01uF	Capacitor, Ceramic, 16V, X7R, 15%	0402	Std	TDK
1	C5	1500pF	Capacitor, Ceramic, 16V, X7R, 15%	0402	Std	TDK
3	C6, C20, C32	0.022uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	Std	TDK
3	C7, C21, C33	0.22uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	Std	TDK
6	C8, C9, C22, C23, C34, C35	47uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1206	Std	TDK
3	D1, D2, D3	BAT64-02W	Diode, Schottky, Fast-recovery, 250mA, 40V	SCD80	BAT64-02W	Infineon
4	J1, J2, J3, J4		Lug, Solderless, #2 - #8 AWG, 1/4	ILSCO	GSLU-70	Copper"
1	J5	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins
3	L1, L2, L3	0.56uH	Inductor, SMT, 32-A, 1.55-milliohm	0.400 x 0.453 inch	IHLP4040DZERR56M11	Vishay
3	Q1, Q3, Q5	BSC042N03S	MOSFET, Nch, 30V, 89A, 4.2milliohm	TDSON-8	BSC042N03S	Infineon
3	Q2, Q4, Q6	BSC022N03S	MOSFET, Nch, 30V, 100A, 2.2milliohm	TDSON-8	BSC022N03S	Infineon
3	R1, R19, R25	4.7	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R10	32.4K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R11, R22, R28	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R12, R15	68.1K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	3.01K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R14	29.4K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R16	113K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R18, R24, R30	20	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R2	15K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R23	14.7K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R29	47.5K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3	681	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R31	10.0K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R4, R20, R26	16.2K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R5	4.75K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R6	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R7, R21, R27	Open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	750K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R9, R17	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
5	TP1, TP2, TP4, TP7, TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP3, TP8, TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP5, TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
3	U1, U2, U3	TPS40180RGE	IC, Single Phase Stackable Buck Controller	QFN-24	TPS40180RGE	TI

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