Filename: PMP1402REVA_bom.xls

Date: 07/25/2005

PMP1402REVA BOM

COUNT	RefDes	Description	Size	MFR	Part Number
1	C11	Capacitor, Ceramic, 22uF, 6.3V, X5R	1206	TDK	C3216X5R0J226KT
1	C12	Capacitor, Ceramic, 2200pF, 50V, X7R	603	Std	Std
1	C13	Capacitor, Ceramic, 4.7uF, 6.3V, X5R	603	TDK	C1608X5R0J475KT
3	C3, C4, C5	Capacitor, Ceramic, 22uF, 16V, X7R	1210	TDK	C3225X7R1C226MT
1	C6	Capacitor, Ceramic, 470pF, 50V, X7R	603	Std	Std
1	C7	Capacitor, Ceramic, 22pF, 50V, C0G	603	Std	Std
2	C8, C14	Capacitor, Ceramic, 0.1uF, 16V, X5R	603	Std	Std
2	C9, C10	Capacitor, Aluminum, 330uF, 2.5V, 5 milliOhms	7343	Panasonic	EEFSE0E331R
1	D1	Diode, Schottky, 0.5-A, 30-V	SOD123	On Semi	MBR0530T1
1	L1	Inductor, SMT, 1uH, 29A, 2.5 milliOhm	0.51 x 0.51 inch	Vishay	IHLP5050EZER1R0M01
1	Q1	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	Vishay	2N7002
2	Q2, Q3	MOSFET, NChannel, 20V, 17.4A, 7.8 millohm	PWRPAK 1212-8	Vishay	Si7110DN
2	Q4, Q5	MOSFET, NChannel, 20V, 40A, 3.0 millohm	PWRPAK S0-8	Vishay	Si7866ADP
2	R1, R3	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	603	Std	Std
1	R10	Resistor, Chip, 30.9K-Ohms, 1/16-W, 1%	603	Std	Std
1	R2	Resistor, Chip, 3.01K Ohms, 1/16-W, 1%	603	Std	Std
1	R4	Resistor, Chip, 49.9 Ohms, 1/16-W, 1%	603	Std	Std
1	R6	Resistor, Chip, 3.3 Ohms, 1/16-W, 1%	603	Std	Std
1	R8	Resistor, Chip, 20K Ohms, 1/16-W, 1%	603	Std	Std
1	R9	Resistor, Chip, 4.02K Ohms, 1/16-W, 1%	603	Std	Std
1	U1	IC, Low cost synchronous buck controller	DRC10	Texas Instruments	TPS40190DRC
MISC					
1	J1	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	Sullins	PTC36SAAN
1	J2	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	OST	ED1514
1	J3	Terminal Block, 2-pin, 32-A, 9.5mm	0.75 x 0.49	OST	ED1981
4	TP1, TP3, TP4, TP5	Test Point, Red, 1mm	0.038",Farnell"	240-345	
3	TP2, TP6, TP7	Test Point, Black, 1mm	0.038",Farnell"	240-333	
1	R5	Resistor, Chip, open	603	Std	Std

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