

Filename: PMP3843_REVA_bom.xls

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PMP3843_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C1, C2	0.047uF	Capacitor, Ceramic, 0.047uF, 25V, X7R, 10%, 0402	0402	Std	Std
1	C14	330uF	Capacitor, POSCAP, 330uF, 6.3V, 0.009 Ohms, 20%, Case D3L	7343	6TPF330M9L	Sanyo
3	C16, C17, C22	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603	0603	Std	Std
1	C18	150uF	Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B2	3528(B)	6TPE150MAZB	Sanyo
2	C20, C21	0.1uF	Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%, 0402	0402	Std	Std
2	C3, C4	220pF	Capacitor, Ceramic, 220pF, 25V, X7R, 10%, 0402	0402	Std	Std
1	C5	0.22uF	Capacitor, Ceramic, 0.22uF, 6.3V, X7R, 10%, 0603	0603	Std	Std
2	C6, C7	0.1uF	Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%, 0402	0603	Std	Std
4	C8, C11, C12, C13	1uF	Capacitor, Ceramic, 1uF, 25V, X7R, 10%, 0603	0603	Std	Std
2	C9, C10	47uF	Capacitor, POSCAP, 47uF, 10V, 1.4A, 20%, B2 Size	7343(D)	10TPE47MAZB	Sanyo
3	J1, J2, J3	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST
2	J4, J5	PTC36SAAN	Header, Male 3-pin, 100mil spacing, (36-pin strip)	0.100 inch x 3	PTC36SAAN	Sullins
1	L1	1.5uH	Inductor, SMT, 1.5uH, 9A, 0.015 Ohms	0.255 x 0.270	IHLP2525CZER1R5M01	Vishay Dale
1	L2	4.7uH	Inductor, SMT, 4.7uH, 6.5A, 0.0303 Ohms	0.255 x 0.270	IHLP2525CZER4R7M01	Vishay Dale
1	Q1	FDMS9600S	MOSFET, Dual N-Ch, 30V, 30A, 12.4/7mOhms, Power 56	Power-56	FDMS9600S	Fairchild
1	Q2	RJK0305DPB	MOSFET, N-Ch, 30V, 15A, 0.013 Ohms, LFPAK	LFPAK	RJK0305DPB	Renesas
1	Q3	Si7110DN	MOSFET, N-Ch, 20V, 17.4A, 0.0078 Ohms, PowerPak 1212-8	LFPAK	Si7110DN	Vishay Siliconix
1	R1	2.49K	Resistor, Chip, 2.49K Ohms, 1%, 0402	0402	Std	Std
1	R11	1.40K	Resistor, Chip, 1.40K Ohms, 1%, 0402	0402	Std	Std
1	R12	1.24K	Resistor, Chip, 1.24K Ohms, 1%, 0402	0402	Std	Std
1	R13	7.32K	Resistor, Chip, 7.32K Ohms, 1%, 0402	0402	Std	Std
1	R14	4.87K	Resistor, Chip, 4.87K Ohms, 1%, 0402	0402	Std	Std
1	R17	249K	Resistor, Chip, 249K Ohms, 1%, 0402	0402	Std	Std
	R18, R20, R22,					
4	R25	0	Resistor, Chip, 0.0 Ohms, 0402	0402	Std	Std
1	R2	4.99K	Resistor, Chip, 4.99K Ohms, 1%, 0402	0402	Std	Std
2	R3, R4	20.0K	Resistor, Chip, TBD, 0402	0402	Std	Std
1	R5	40.2K	Resistor, Chip, 40.2K Ohms, 1%, 0402	0402	Std	Std
2	R6, R8	49.9	Resistor, Chip, 49.9 Ohms, 5%, 0402	0402	Std	Std
	R7, R10, R15, R16,					
5	R19	10K	Resistor, Chip, 10K Ohms, 1%, 0402	0402	Std	Std
1	R9	23.2K	Resistor, Chip, 23.2K Ohms, 1%, 0402	0402	Std	Std
	TP1, TP2, TP3,					
9	TP4, TP5, TP6,	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP7, TP11, TP14	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS51220RHB	IC, Fixed Freq. 99% Duty Cycle, NoteBook System Power Controller	QFN-32	TPS51220RHB	TI

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