

Filename: PMP2636REVA_bom.xls

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PMP2636REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C2	100uF	Capacitor, Aluminum, 50V, ±20%	0.328 x 0.390 inch	EEEFK1H101P	Panasonic
2	C3	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 15%	1210	Std	TDK
	C4	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 15%	1210	Std	TDK
1	C5	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C6	1.5nF	Capacitor, Ceramic, 15n-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C7	270pF	Capacitor, Ceramic, 680-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C8	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C9	220uF	Capacitor, Aluminum, 10V, ±20%	0.328 x 0.354 inch	EEEFK1A221P	Panasonic
1	C11	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 15%	1210		Murata
1	C13	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C14	100nF	Capacitor, Ceramic, 100nF, 16-V, X7R, 15%	0603	Std	TDK
1	C15	1.8nF	Capacitor, Ceramic, 4n7, 50-V, X7R, 15%	0603	Std	TDK
1	D1	MBRD650CT	Diode, Dual Schottky, 2x 3A, 50V	DPAK	MBRD650CT	On Semi
2	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	47uH	Inductor, Power, 3.65A, 72milliohms	0.543 x 0.516 inch	HC9-470-R	Cooper
1	Q1	Si7465DP	MOSFET, PChan, -60V, -5A, 64milliohms	PWRPAK S0-8	Si7465DP	Vishay
1	R1	100k	Resistor, Chip, 100k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	0.022	Resistor, Chip, 0.022-Ohms, 1/2-W, 1%	2010	Std	Std
1	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	14.7k	Resistor, Chip, 12K7-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	1.78k	Resistor, Chip, 464-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	10K	Resistor, Chip, 10K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	1k62	Resistor, Chip, 1k62-Ohms, 1/16-W, 1%	0603	Std	Std
1	SH20		Short jumper			
6	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
3	TP2		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP3		Test Point, Red, 1mm	0.038	240-345	Farnell

	TP4		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP5		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP6		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP7		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP8		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP9		Test Point, Red, 1mm	0.038	240-345	Farnell
1	U1	TPS40200-Q1	IC, Low Cost Sync Buck Controller	SO-8	TPS40200-Q1	TI

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (**) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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