

Filename: PMP5657REVB_26V_BILLOFMATERIALS_bom.xls						
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PMP5657REVB_26V_BILLOFMATERIALS BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	220uF	Capacitor, Electrolytic, SMT, 220uF, 50Vdc	0.457 x 0.406	EEEVFK1H221P	Panasonic
1	C5	1u	Capacitor, Ceramic, 50V	0805	Std	Std
1	C11	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
1	C13	220nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	std	std
1	C15	22nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std
1	C16	220pF	Capacitor, Ceramic, 50V, NPO, 15%	0603	std	std
2	C12 C14	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
2	C17-18	220uF	Capacitor, Aluminum Electrolytic, 25V, ±20%	0.328 x 0.390 inch	EEEFK1V221P	Panasonic
6	C2-4 C6-8	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R, 20%	1210	C3225X7R1H475M	TDK
1	D1	V8P10	Diode, Schottky, 100V, 8A	TO277-A = SMPC	V8P10	Vishay
1	D3	6.8V	Diode, Zener, 500mW	SOD123	MMSZ5235BT1	On Semi
1	D4	4.7V	Diode, Zener, 500mW	SOD123	MMSZ5230BT1	On Semi
2	J1-2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L1	22 uH	Inductor, SMT, 22uH, ±10%	15x15mm	JA4590AL	Coilcraft
1	Q1	BSC123N08LS3G	MOSFET, N-Ch, 80V, 12.3 millohm	PWRPAK S0-8	BSC123N08LS3G	Infineon
1	Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	Q4	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	R2	205K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R4	1K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	0.01	Resistor, 1W, 5%	2512	STD	STD
1	R10	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	2.74K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R12	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R1 R3	4.7	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R101	464K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R6 R9	100K	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R7-8	20K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP1 TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone

3	TP2 TP5 TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
2	TP6-7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40210	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	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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