

Filename: PMP5670REVA-2 BOM.xls

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PMP5670REVA-2 BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C3	100uF	Capacitor, Aluminum, 100V, 20%	0.543 x 0.543	EEVFK1K101Q	Panasonic
1	C4	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C5	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C9	6.8nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C10	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C12	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C15	22uF	Capacitor, Aluminum, SMT, 100V, 20%	8x10mm	EEVFK2A220P	Panasonic
1	C100	10uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	Std	Std
4	C1-2 C1-2 C2-2	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Std
2	C13-14	470nF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Std
4	C6-8 C11	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	D1	ES3C	Diode, Rectifier, 150V, 3A	DO-214AB	ES3C	Fairchild
1	D3	12V	Diode, Zener, 12V, SOT23	SOT23	BZX84C12LT	On Semi
2	J1-2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	ED1514	OST
1	L1	47uH	Inductor, SMT, 72mOhm, 5.0A sat, 2.0A rms	0.472 x 0.472 inch	MSS1278-473MLC	Coilcraft
1	Q1	Si7846DP	MOSFET, NChannel, 150V, 6.7A, 50 millohm	PWRPAK S0-8	Si7846DP	vishay
1	Q2	MMBT2222	Bipolar, NPN, 30V, 600mA	SOT23	MMBT2222LT1	ON Semi
1	Q3	FZT655	Bipolar, NPN, 150V, 1A	SOT223	FZT655	Zetex
1	R1	0.15	Resistor, Chip, 1/4 watt, 1%	1206	Std	Std
1	R2	1.00k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	20.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	76.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	6.34k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	11.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	49.9k	Resistor, Chip, 1/10W, 1%	0805	Std	Std
2	R11-12	32.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4 R7	3.65k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8-9	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	TP1-4 TP7		Test Point, Red, 1mm	0.038	240-345	Farnell
2	TP5-6		Test Point, Black, 1mm	0.038"□240-333"	240-333	Farnell
1	U1	UCC2813-0	IC, Current-mode PWM, Von = 7.2V	SO8	UCC2813-0D	Texas Instruments
1	U2	TLV271	IC, Op-Amp, Rail-to-rail, 600uA per Ch	DBV (SOT23-5)	TLV271DBV	Texas Instruments

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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