

PMP5952_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.1uF	Capacitor, Leaded, 305 VAC, ±yy%	0.157 x 0.512 inch	B3292	Epcos
1	C11	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C12	33uF	Capacitor, Aluminum Electrolytic, 35V	0.197 inch	35ZL00033 5x11	Rubycon
1	C13	0.01uF	Capacitor, Ceramic, 16V, X7R, 10%	0402	Std	Std
1	C14	100pF	Capacitor, Ceramic, 16V, X7R, 10%	0402	Std	Std
2	C17, C18	150uF	Capacitor, Aluminum Electrolytic, 6.3V	0.248 inch	6.3ZL00150 6.3x7	Rubycon
1	C2	47uF	Capacitor, Aluminum, 400V, 47uF, 18mm x 20mm	0.630 inch	Std	Std
1	C3	0.01uF	Capacitor, Polyester Film, 250V, 10%	0.311 x 0.213 inch	ECQ-E2103KB	Panasonic
3	C4, C5, C6	270uF	Capacitor, Aluminum Polymer Electrolytic, 6.3V, 3.7A, 11mohm	0.197 inch	RF80J271MDN1PX	Nichicon
1	C7	470pF	Capacitor, 250VAC, Ceramic Y2/X1	0.236 x 0.315 inch	ECK-NVS471KB	Panasonic
4	C8, C10, C15, C16	0.1uF	Capacitor, Ceramic, 16V, X7R, 10%	0402	Std	Std
1	D1	HD06	Bridge Rectifier, 600V, 0.8A, Glass Passivated, SMD	MINI DIP4	HD06	Diodes, Inc
1	D2	MUR180	Diode, Ultrafast, 800V, 1A	DO-41	MUR180	On Semi
1	D3	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	D4	BAT54	Diode, Schottky, 200-mA, 30-V	SOD323	BAT54HT1	On Semi
1	D5	18V	Diode, Zener, 18-V, 350-mW	SOT-23	BZX84C18LT1	ON Semi
1	F1	2A	Fuse, TR5 Series, 2A, 250V	0.335	37211000001	Wickmann
2	J1, J2	690-004-261-013	Connector, USB A Type	0.298 X 0.55 Inch	690-004-261-013	EDAC
1	L1	1.3uH	Inductor, 0.7A, 500milliohm	0.433 x 0.670 inch	UU9.8V-132	GCI
1	Q1	IRF7842	MOSFET, N-ch, 40-V, 14-A, 6-milliOhms	SO8	IRF7842	IR
1	Q2	SPD06N60C3	MOSFET, N-ch, 650-V, 7.5-A, 0.75-Ohms	DPAK	SPD06N60C3	Infineon
1	R1	100K	Resistor, 1W, 5%	2512	STD	STD
1	R100	200	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R101	1.00K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	66.5K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R12	221K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	51.1K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R14	88.7K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R15, R20	100K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R16	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R17	499	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R18, R21	24.9K	Resistor, Chip, 1/16W, 1%	0402	Std	Std

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1	R19	20.0K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R22, R23	16.9K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4	Open	Resistor, Chip, 1/16W, 5%	0603	Std	Std
2	R5, R7	3MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
3	R6, R9, R10	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	169K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	T1	400 uH	Transformer, ±10%	0.800 x 0.960 inch	750312170	WE
2	TP1, TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	UCC24610D	IC, SECONDARY-SIDE SYNCHRONOUS RECTIFIER CONTROLLER FOR 5V SYSTEMS	SO-8	UCC24610D	TI
1	U2	UCC28610D	IC, Quasi-Resonant Flyback Green-Mode Controller	SO8	UCC28610D	TI
1	U3	FOD817A	IC, Optocoupler, 160% CTR	SMT-4PDIP	FOD817A	Fairchild
1	U4	TL431A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431DBZ	TI
2	U5, U6	TPS2540RTE	IC, USB CHARGING PORT POWER SWITCH & CONTROLLER	QFN-16	TPS2540RTE	TI

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