

PMP3970_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
8	C1, C2, C4, C5, C100, C101, C102, C103	3.3uF	Capacitor, Ceramic, 50-V, X7R, 20%	1210	C3225X7R1H335M	TDK
2	C10, C20	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C17	1uF	Capacitor, Ceramic, 50V, X7R, 15%	1206	Std	Std
1	C18	0.22uF	Capacitor, Ceramic, 16V, X7R, 10%	0805	Std	Std
1	C23	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H152K	TDK
2	C7, C16	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
2	C8, C21	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
5	C9, C11, C12, C13, C15	22uF	Capacitor, Ceramic, 16V, X7R	1210	C3225X7R1C226MT	TDK
2	J1, J2		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35"	ED1609	OST
1	L1	10uH	Inductor, 20A, 1.8milliohm	1.100 x 1.100 inch	SER2915H-103KL	Coilcraft
3	Q3, Q100, Q101	IRF7471	MOSFET, N-ch, 40-V, 10-A, 13-milliohm	SO8	IRF7471Pbf	IR
1	Q5	IRFR4104	MOSFET, NChannel, 40V, 42A, 5.5 milliohm	DPAK	IRFR4104	Vishay
2	R1, R10	249k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	24.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R5, R6, R8, R14	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9, R13	523	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	TP1, TP5, TP6, TP9, TP10		Test Point, Red, 1mm	0.038",Farnell"		240-345
2	TP7, TP8		Test Point, Black, 1mm	0.038",Farnell"		240-333
1	U1	TPS40055PWP	IC, Wide Input Synchronous Buck Controller, 10-40 V Input	PWP16	TPS40055PWP	TI

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