

PMP4986_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
9	C1, C2, C4, C14, C19, C20, C29, C32, C33	10uF	Capacitor, Ceramic, 16V, X5R, 15%	0805	C2012X5R1C106M	TDK
1	C11	100uF	Capacitor, Aluminum, 16V, 20%	0.260 x 0.276 inch	EEEFK1C101P	Panasonic
5	C12, C15, C23, C101, C102	47uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1206	STD	STD
1	C16	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
2	C22, C28	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
4	C3, C24, C34, C37	10pF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H100	TDK
1	C38	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
13	C5, C8, C13, C18, C21, C25, C26, C27, C30, C36, C39, C40, C100	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C6	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
2	C7, C31	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
4	C9, C10, C17, C35	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
2	D1, D5	B340A	Diode, Schottky Barrier Rectifier, 3-A, 40-V	SMA	B340A	Diodes
2	D100, D101	BAT54HT1	Diode, Schottky, 200-mA, 30-V	SOD323	BAT54HT1	On Semi
2	D2, D3	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Diodes Inc.
2	D4, D7	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D6	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
8	J1, J2, J3, J4, J5, J6, J7, J8	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
4	L1, L2, L3, L5	10uH	Inductor, 0.25A	.260x.175 inch	DS1608C-103	Coilcraft
1	L4	330uH	Inductor, SMT, 0.22A, 2ohm	0.276 sq inch	SLF7032T-331MR22-2PF	TDK
1	Q1	BSS169N	MOSFET, Nch, Depletion Mode, 100V, 0.09A, 12 Ohm	SOT23	BSS169N	Infineon
1	Q2	IRF5802	MOSFET, N-ch, 150-V, 0.9-A, 1.2-Ohms	Micro6	IRF5802	International Rectifier
1	Q3	MMBT3904	Bipolar, NPN, 40-V, 200-mA	SOT23	MMBT3904LT1	On Semi
2	R1, R19	392k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R10, R38, R101	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	0.56	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R14	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R17, R22, R23, R24	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	20k	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R20	60.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3, R21	332k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R32	3.16k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

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1	R33	30.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R34	13.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R35	4.02k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R36	1.1MEG	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R37	316k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R4, R15, R16, R31	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	21.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	1MEG	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	0.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std
6	R8, R11, R18, R26, R27, R29	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R9, R25, R28, R30	DNP	Do Not Populate	0603	N/A	N/A
1	T1	60 uH	Transformer, ±10%	0.591 x 0.591 inch	DCT13EP-UxxH005	DTK
3	U1, U3, U8	TPS62110	IC, Synchronous Step-Down Converter, 17V, 1.2A	QFN-16	TPS62110	TI
1	U2	UCC2581D	IC, Micropower Voltage Mode PWM	SOIC14	UCC2581D	TI
1	U4	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U5	TLV431A	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI
1	U6	ISO7242DW	IC, 1-Mbps Two Chan each Direcction DIGITAL ISOLATORS	SO-16	ISO7242DW	TI
1	U7	TPS54060DGQ	IC, 0.5A, 60V Step-Down Converter	MSOP-10	TPS54060DGQ	TI

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