PMP11478 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB?	1		PMP7892	Any	PMP7892 REVA	N/A
C1, C6, C101	3	220pF	C0805C221J1GACTU	Kemet	CAP, CERM, 220 pF, 100 V, +/- 5%, C0G/NP0, 0805	0805
C2	1	1500uF	EEV-FK1C152Q	Panasonic	CAP, AL, 1500uF, 16V, +/-20%, 0.06 ohm, SMD	SMT Radial H13
C7	1	0.1uF	C3216X7R2E104K	TDK	Ceramic, X7R, 250V, 10%	1206
C8	1	100uF	EEV-FK1K101Q	Panasonic	CAP, AL, 100uF, 80V, +/-20%, 0.32 ohm, SMD	SMT Radial H13
C9, C10, C11, C12	4	4.7uF	C3225X7S2A475M	TDK	CAP, CERM, 4.7uF, 100V, +/-20%, X7S, 1210	1210
C13, C14	2	0.01uF	VJ1210Y103KXGAT5Z	Vishay-Vitramon	CAP, CERM, 0.01uF, 1000V, +/-10%, X7R, 1210	1210
C15, C18	2	100pF	08051A101FAT2A	AVX	Ceramic, C0G/NP0, 100V, 1%	0805
C16, C17	2	0.1uF	C2012X7R1H104K	TDK	Ceramic, X7R, 50V, 10%	0805
C19	1	1uF	C2012X7R1E105K	TDK	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0805	0805
C20, C21	2	0.33uF	C2012X7R1C334K	TDK	CAP, CERM, 0.33uF, 16V, +/-10%, X7R, 0805	0805
C22	1	0.1uF	C2012X7R1E104K	TDK	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0805	0805
C23	1	4.7uF	C2012X7R1A475M	TDK	Ceramic, X7R, 10V, 20%	0805
C24	1	1uF	C2012X7R1C105K	TDK	Ceramic, X7R, 16V, 10%	0805
C25, C26	2	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805
D1, D3	2	1.25V	BAV3004W-7-F	Diodes Inc	Diode, Switching, 300V, 225mA, SOD-123	SOD-123
D2, D4	2	200V	MBRB20200CTT4G	ON Semiconductor	Diode, Schottky, 200 V, 20 A, DDPAK	DDPAK
D5, D6	2	1.25V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100V, 0.15A, SOD-123	SOD-123
H1, H2, H5, H6	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
H3, H4, H7, H8	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
J1, J2, J3, J4	4	Triple	1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
J5, J6, J7, J8	4	50 ohm	A-1JB	Amphenol	Connector, RF Jack, Vertical, Gold, SMD	A-1JB
L1	1	22uH	7447709220	Wurth Elektronik	Inductor, Shielded Drum Core, Ferrite, 22 µH, 5.3 A, 0.0233 ohm, SMD	WE-PD-XXL
L2	1	3.3mH	LPS6235-335MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3mH, 0.1A, 9.5 ohm, SMD	LPS6235
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
Q1	1	100V	CSD19533Q5A	Texas Instruments	MOSFET, N-CH, 100 V, 13 A, SON 5x6mm	SON 5x6mm
Q2	1	-150V	IRF6217TRPBF	Vishay-Siliconix	MOSFET, P-CH, -150V, -0.7A, SO-8	SOIC-8
R1, R2	2	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
R3	1	49.9k	CRCW080549K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.125W, 0805	0805
R4	1	0.1	ERJ-8RSJR10V	Panasonic	RES, 0.1 ohm, 5%, 0.25W, 1206	1206
R5	1	3.01k	CRCW08053K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.125 W, 0805	0805
R6	1	3.92	CRCW08053R92FKEA	Vishay-Dale	RES, 3.92, 1%, 0.125 W, 0805	0805
R7	1	2.43k	CRCW08052K43FKEA	Vishay-Dale	RES, 2.43k ohm, 1%, 0.125W, 0805	0805
R8	1	470	CRCW0805470RJNEA	Vishay-Dale	RES, 470, 5%, 0.125 W, 0805	0805
R9	1	29.4k	CRCW080529K4FKEA	Vishay-Dale	RES, 29.4 k, 1%, 0.125 W, 0805	0805
R10	1	20.0k	CRCW080520K0FKEA	Vishay-Dale	1%, 0.125W	0805
R11	1	51	CRCW080551R0JNEA	Vishay-Dale	RES, 51 ohm, 5%, 0.125W, 0805	0805
R12	1	8.66k	CRCW08058K66FKEA	Vishay-Dale	1%, 0.125W	0805
R13	1	1.00k	CRCW08051k00FKEA	Vishay-Dale	1%, 0.125W	0805
R14, R15, R16, R17	4	49.9	CRCW080549R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.125W, 0805	0805
R101	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51 ohm, 5%, 0.25W, 1206	1206
T1	1	7T : 13T : 11T	PA6296-AL	Coilcraft	EP17 Power Transformer	
T2	1		PA1005.100NL	Pulse Engineering	SMT Current Sense Transformer	P82XX
TP1, TP3	2	Red	5010	Keystone	Test Point, TH, Multipurpose, Red	Keystone5010

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP2, TP4, TP6	3	Black	5011	Keystone	Test Point, TH, Multipurpose, Black	Keystone5011
TP5	1	White	5012	Keystone	Test Point, TH, Multipurpose, White	Keystone5012
U1	1		LM5026MT	Texas Instruments	Active Clamp Current Mode PWM Controller, 16-pin TSSOP	MTC16
U2	1	FODA817ASD	FOD817ASD	Fairchild Optoelectronics Grou	IC, Optocoupler, 5000V, 80-160% CTR	
U3	1		LMV431AIMF/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23, Pb-Free	MF03A
C3, C4, C5	0	1500uF	EEV-FK1C152Q	Panasonic	CAP, AL, 1500uF, 16V, +/-20%, 0.06 ohm, SMD	SMT Radial H13
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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