PMP9393 REV 0 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCBA	1		PMP7950 Rev1B		PMP7950 Rev1B PCB	
C2, C7, C13	3	330uF	EEV-FK2A331M	Panasonic	CAP, AL, 330uF, 100V, +/-20%, 0.153 ohm, SMD	SMT Radial K16
C3, C4, C5, C6	4	3.3uF	GRM32DR71H335KA88L	MuRata	CAP, CERM, 3.3uF, 50V, +/-10%, X7R, 1210	1210
C8, C9, C10, C11,	6	1uF	GRM32CR72A105KA35L	MuRata	CAP, CERM, 1uF, 100V, +/-10%, X7R, 1210	1210
C12, Cx					, ,	1.2.0
C15	1	0.1uF	08053C104KAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0805	0805
C16, C20	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C17	1	4.7uF	GRM21BR71C475KA73L	MuRata	CAP, CERM, 4.7uF, 16V, +/-10%, X7R, 0805	0805
C19, C21	2	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603
C22	1	1uF	GRM219R71E105KA88D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0805	0805
C23	1	330pF	C0603C331K5RACTU	Kemet	CAP, CERM, 330pF, 50V, +/-10%, X7R, 0603	0603
C24	1	0.022uF	C0603X223K5RACTU	Kemet	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	0603
D1	1	0.77V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100V, 1A, PowerDI123	PowerDI123
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1	1	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
			1			
J2	1	2x1	1751248	Phoenix Contact	Conn Term Block, 2POS, 3.5mm, TH	11x8.5x7.3mm
L1	1	4.7uH	SER2918H-472KL	Coilcraft	Inductor, Shielded E Core, Ferrite, 4.7uH, 28A, 0.0026 ohm, SMD	SER2918
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
			1	[Side)	11.01.11.01.01.01.11.11.02.02 <u>2</u> 02.01.01.01.01.01.01.01.01.01.01.01.01.01.	0.200"W
Q1, Q3	2	60V	CSD18531Q5A	Texas Instruments	MOSFET, N-CH, 60V, 19A, SON 5x6mm	SON 5x6mm
R3	1	1.74k	CRCW06031K74FKEA	Vishay-Dale	RES, 1.74k ohm, 1%, 0.1W, 0603	0603
R4, Rx5	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R5, R8, R9, R10, R14, Rx4	6	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	0603
R11	1	6.98k	CRCW06036K98FKEA	Vishay-Dale	RES, 6.98k ohm, 1%, 0.1W, 0603	0603
R12	1	2.2	CRCW08052R20JNEA	Vishay-Dale	RES, 2.2 ohm, 5%, 0.125W, 0805	0805
R13	1	23.2k	CRCW060323K2FKEA	Vishay-Dale	RES, 23.2k ohm, 1%, 0.1W, 0603	0603
R15	1	8.06k	CRCW06038K06FKEA	Vishay-Dale	RES, 8.06k ohm, 1%, 0.1W, 0603	0603
R16	1	37.4k	CRCW060337K4FKEA	Vishay-Dale	RES, 37.4k ohm, 1%, 0.1W, 0603	0603
R18	1	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1k ohm, 1%, 0.1W, 0603	0603
R19	1	1.30k	CRCW06031K30FKEA	Vishay-Dale	RES, 1.30k ohm, 1%, 0.1W, 0603	0603
R20	1	51.1k	CRCW080551K1FKEA	Vishay-Dale	RES, 51.1k ohm, 1%, 0.125W, 0805	0805
R21	1	48.7	CRCW080548R7FKEA	Vishay-Dale	RES, 48.7 ohm, 1%, 0.125W, 0805	0805
Rx1, Rx2, Rx3	3	5.23k	CRCW12065K23FKEA	Vishay-Dale	RES, 5.23k ohm, 1%, 0.25W, 1206	1206
TP1, TP3	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose
	_			. 10,0100		Testpoint
TP2, TP7, TP8	3	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose
	Ŭ		00.2	Troyotono	, , , , , , , , , , , , , , , , , , , ,	Testpoint
TP4, TP5	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose
	_	Black		i toyotono	Took Form, Manaparpood, Black, TT	Testpoint
U1	1		LM5122MH	TI		eg: 0603, used in
						PnP report
C1	0	470pF	GRM2165C2A471JA01D	MuRata	CAP, CERM, 470pF, 100V, +/-5%, C0G/NP0, 0805	0805
C14	0	330uF	EEV-FK2A331M	Panasonic	CAP, AL, 330uF, 100V, +/-20%, 0.153 ohm, SMD	SMT Radial K16
C18	0	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C25, C26	0	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C27	0	1uF	GRM32CR72A105KA35L	MuRata	CAP, CERM, 1uF, 100V, +/-10%, X7R, 1210	1210

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
D2	0	0.57V	PMEG6010CEH,115	NXP Semiconductor	Diode, Schottky, 60V, 1A, SOD-123F	SOD-123F
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
H9, H10, H11,	0		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
H12						
Q2	0	150V	SUM40N15-38	Vishay-Siliconix	MOSFET, N-CH, 150V, 40A, DDPAK	DDPAK
Q4, Q6, Q8	0	0.2V	MMBT3904	Fairchild Semiconductor	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23
Q5, Q7, Q9	0	0.25V	MMBT3906	Fairchild Semiconductor	Transistor, PNP, 40V, 0.2A, SOT-23	SOT-23
R1	0	8.2	CRCW20108R20JNEF	Vishay Dale	RES 8.2 OHM 3/4W 5% 2010 SMD	2010 (5025 Metric)
R2	0	0.004	KRL7638-C-R004-F-T1	Susumu	RES 0.004 OHM 3W 1% 3015 WIDE	Wide 3015 (7638
						Metric), 1530
R6, R7, R17	0	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	0603
TP6	0	Yellow	5009	Keystone	Test Point, Compact, Yellow, TH	Yellow Compact
					·	Testpoint

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