PMP9291 REV rev4 Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB	1		PMP9291	Any	Printed Circuit Board	
C30	1	1000pF	VJ1210Y102KXGAT5Z	Vishay-Vitramon	Ceramic, X7R, 1000V, 10%	1210
C31, C32	2	2.2uF	GRM21BR71E225KA73L	MuRata	CAP, CERM, 2.2uF, 25V, +/-10%, X7R, 0805	0805
C33	1	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0603	0603
C34, C41	2	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C35	1	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603
C36	1	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01uF, 100V, +/-5%, X7R, 0603	0603
C37, C38	2	2.2uF	GRM31CR61H225KA88L	MuRata	CAP, CERM, 2.2uF, 50V, +/-10%, X5R, 1206	1206
C39	1	2.2uF	C2012X7R1C225K	TDK	CAP, CERM, 2.2uF, 16V, +/-10%, X7R, 0805	0805
D4	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
GND1, GND2, GNDin	3	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
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
Q13	1	60V	CSD18537NQ5A	Texas Instruments	MOSFET, N-CH, 60V, 50A, SON 5x6mm	SON 5x6mm
Q14	1	0.2V	MMBT3904-7-F	Diodes Inc.		SOT-23
Q15	1	0.25V	MMBT3906	Fairchild Semiconductor		SOT-23
R1, R32	2	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.25W, 1206	1206
R3	1	0	CRCW08050000Z0EA	Vishay-Dale		0805
R27	1	10	CRCW060310R0JNEA	Vishay-Dale		0603
R29	1	30k	CRCW060310K0FKEA	Vishay-Dale		0603
R30	1	137k	CRCW0603137KFKEA	Vishay-Dale		0603
R31	1	127k	CRCW0805127KFKEA	Vishay-Dale		0805
R33	1	6.04k	CRCW06036K04FKEA	Vishay-Dale		0603
R35	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00k ohm, 1%, 0.1W, 0603	0603
R36	1	0	CRCW060310R0JNEA	Vishay-Dale		0603
R37	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
SW1, SW2, Vin, Vo1, Vo2	5	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
T1	1		VP2xxxx_VPH2xxxx	Cooper Bussmann Coiltronics	1:1:1:1:1 Turns Ratio Versatile Transformers	VP2 VPH2
U2	1		LM5017MRX/NOPB	Texas Instruments	100V, 600mA Constant On-Time Synchronous Buck Regulator, DDA0008B	DDA0008B
C40	0	2.2uF	GRM21BR71E225KA73L	MuRata		0805
D6	0	45V	CD0603-B0240	Bourns	Diode, Schottky, 45V, 0.2A, 0603 Diode	0603 Diode
FID1, FID2, FID3	0		N/A	N/A		Fiducial
R28	0		CRCW06032K00FKEA	Vishay-Dale		0603
R34	0	8.25k	CRCW08058K25FKEA	Vishay-Dale	RES, 8.25k ohm, 1%, 0.125W, 0805	0805

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