

PMP12027 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.1uF	VJ1812Y104KXEAT5Z	Vishay-Vitramon	CAP, CERM, 0.1 μ F, 500 V, +/- 10%, X7R, 1812	1812
C2	1	15uF	EEUED2G150	Panasonic	CAP, AL, 15uF, 400V, +/-20%, 1.909859 ohm, TH	12.5x20
C3	1	47uF	EEUED2G470S	Panasonic	CAP, AL, 47uF, 400V, +/-20%, 0.609529 ohm, TH	18x20
C4	1	0.1uF	890324025017	Würth	CAP FILM 0.1UF 10% 275VAC RADIAL	B32922 12.5mm
C5	1	1uF	GRM31CR72A105KA01L	MuRata	CAP, CERM, 1 μ F, 100 V, +/- 10%, X7R, 1206	1206
C6	1	220uF	EEU-FR1J221LB	Panasonic	CAP, AL, 220 μ F, 63 V, +/- 20%, 0.033 ohm, TH	D10xL25mm
C8	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 μ F, 100 V, +/- 10%, X7R, 0805	0805
C9	1	1000pF	VY2102M29Y5UG63V7	Vishay-Bccomponents	CAP, CERM, 1000 pF, 300 V, +/- 20%, Y5U, Radial Disc 7.5mm, ls=7.5	Radial Disc 7.5mm, ls=7.5
C10, C200	2	10uF	GRM31CR61H106KA12L	MuRata	CAP, CERM, 10 μ F, 50 V, +/- 10%, X5R, 1206_190	1206_190
C11	1	2700pF	GRM1885C1H272JA01D	MuRata	CAP, CERM, 2700 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1	1	1.1V	DF1506S-T	Diodes Inc.	Diode, Switching-Bridge, 600V, 1.5A, DF-S	DF-S
D2	1	150V	SMCJ150A-TP	Micro Commercial Component	Diode, TVS, Uni, 150 V, 1500 W, SMC	SMC
D3	1	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D5	1	200V	BAS21-TP	Micro Commercial Component	Diode, P-N, 200V, 200A, SOT-23	SOT-23
D200	1	400V	MURS340T3G	ON Semiconductor	Diode, Ultrafast, 400 V, 3 A, SMC	SMC
D201	1	33V	MMSZ5257B-7-F	Diodes Inc.	Diode, Zener, 33 V, 500 mW, SOD-123	SOD-123
F1	1		37212000001	Littelfuse	Fuse, 2A, 250V, TH	TR5 fuse 8.5mm DIA
L1	1	33uH	CDRH6D28NP-330NC	Sumida	Inductor, Shielded Drum Core, Ferrite, 33uH, 0.97A, 0.165 ohm, SMD	CDRH6D28
L100	1	1uH	GLCR2012T1R0M-HC	TDK	Inductor, Shielded, Ceramic, 1 μ H, 0.85 A, 0.09 ohm, SMD	2.0x1.25x1.25mm
Q1	1	650V	SPP07N60C3	Infineon Technologies	MOSFET, N-CH, 650V, 7.3A, TO-220AB	TO-220AB
R1	1	0	CRCW25120000Z0EG	Vishay-Dale	RES, 0, 5%, 1 W, 2512	2512
R2, R6, R9, R12	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R3	1	54.9k	CRCW060354K9FKEA	Vishay-Dale	RES, 54.9 k, 1%, 0.1 W, 0603	0603
R4, R201	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R5	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	0603
R7	1	0.39	MCR25JZHFLR390	Rohm	RES, 0.39, 1%, 0.5 W, 1210	1210
R8, R100	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R11	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R13	1	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, 0603	0603
R200	1	1.0	CRCW12061R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.25 W, 1206	1206
T1	1	300uH	G154069LF	GCI Technologies	Transformer, 300 uH, TH	30.1x23.4mm
TP1, TP2	2	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP3	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP4	1	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC28740D	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U2	1		LTV-817	Lite-On	Opto-Isolator, 1 Channel, TH	DIP-4
U3	1		TL431AIDBZ	Texas Instruments	PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A

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