

PMP9727 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP9727	Any	Printed Circuit Board	
C1	1	10uF	UVR2E100MPD	Nichicon	CAP, AL, 10uF, 250V, +/-20%, TH	10x16mm
C2	1	33uF	EEUED2D330	Panasonic	CAP, AL, 33uF, 200V, +/-20%, 0.542573 ohm, TH	10x20
C3	1	470uF	EEU-FM1E471LBJ	Panasonic	CAP, AL, 470uF, 25V, +/-20%, 0.03 ohm, TH	8.0x20mm
C4	1	1uF	C1608X5R1E105K080AC	TDK	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0603	0603
C5	1	4.7uF	C2012X5R1E475K125AB	TDK	CAP, CERM, 4.7uF, 25V, +/-10%, X5R, 0805	0805
C6	1	0.1uF	B32922C3104M	EPCOS Inc	CAP, Film, 0.1uF, 630V, +/-20%, TH	B32922_10.5mm
C7	1	120uF	EEU-FC1J121	Panasonic	CAP, AL, 120uF, 63V, +/-20%, 0.194 ohm, TH	10x16mm
C8	1	0.47uF	C3216X7R2A474K	TDK	CAP, CERM, 0.47uF, 100V, +/-10%, X7R, 1206	1206
C9	1	2200pF	DE1E3KX222MA4BL01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, E, Cap, 7x12x9 mm	Cap, 7x12x9 mm
C10	1	10uF	GRM31CR61E106KA12L	MuRata	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206
C16	1	0.047uF	GRM155R71E473KA88D	MuRata	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0402	0402
D1	1	120V	SMCJ120A-TP	Micro Commercial Componen	Diode, TVS, Uni, 120V, 1500W, SMC	SMC
D2	1	60V	STPS5L60S	ST Microelectronics	Diode, Schottky, 60V, 5A, SMC	SMC
D3	1	400V	HD04-T	Diodes Inc.	Diode, Switching-Bridge, 400V, 0.8A, MiniDIP	MiniDIP
D4	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D5	1	200V	MURS120-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200V, 1A, SMB	SMB
D6	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
F1	1		0452002.	Littelfuse	Fuse, 2A, 125V, SMD	SloBlo452
L1	1	33uH	CDRH6D28NP-330NC	Sumida	Inductor, Shielded Drum Core, Ferrite, 33uH, 0.97A, 0.165 ohm, SMD	CDRH6D28
L2	1	4000uH	744821240	Wurth Elektronik eiSos	Coupled inductor, 4000uH, 1.5A, 0.14 ohm, +/-30%, TH	15 x 18 x 7.5mm
Q1	1	600V	AOD6N50	AOS	MOSFET, N-CH, 600V, 5.3A, DPAK	DPAK
R2	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.25W, 1206	1206
R3	1	60.4k	CRCW040260K4FKED	Vishay-Dale	RES, 60.4k ohm, 1%, 0.063W, 0402	0402
R4	1	20	CRCW040220R0JNED	Vishay-Dale	RES, 20 ohm, 5%, 0.063W, 0402	0402
R5	1	0	STD	STD	RES, 1%, 0.063W, 0402	0402
R7	1	82.5k	CRCW040282K5FKED	Vishay-Dale	RES, 82.5k ohm, 1%, 0.063W, 0402	0402
R9, R10	2	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99k ohm, 1%, 0.063W, 0402	0402
R11	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
R12	1	22.1k	CRCW040222K1FKED	Vishay-Dale	RES, 22.1k ohm, 1%, 0.063W, 0402	0402
R13	1	12.7k	CRCW040212K7FKED	Vishay-Dale	RES, 12.7k ohm, 1%, 0.063W, 0402	0402
R14, R16	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0k ohm, 1%, 0.063W, 0402	0402
R15	1	0.47	ERJ-8RQFR47V	Panasonic	RES, 0.47 ohm, 1%, 0.25W, 1206	1206
R17	1	1.65k	CRCW04021K65FKED	Vishay-Dale	RES, 1.65k ohm, 1%, 0.063W, 0402	0402
R19	1	DNP	N/A	N/A	Do Not Populate	0402
T1	1	330uH	RLTI-1120	Renco Electronics	Transformer, Flyback, 330uH, TH	950x770x890mil
TP1, TP4	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP6	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP3, TP5	2	White	5012	Keystone	Test Point, TH, Multipurpose, White	Keystone5012
U2	1		UCC28740D	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U3	1		LTV-817S	Lite-On	Opto-Isolator, 1 Channel, SMT	DIP-4
U5	1		TL431AIDBZ	Texas Instruments	PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A

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