

PMP20771 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP20771	Any	Printed Circuit Board	
C1, C2	2	22uF	EEU-EE2E220	Panasonic	CAP, AL, 22 µF, 250 V, +/- 20%, TH	Cap, 10x20mm
C3	1	0.047uF	GRM32DR72J473KW01L	MuRata	CAP, CERM, 0.047 µF, 630 V, +/- 10%, X7R, 1210	1210
C4	1	0.1uF	B32520C3104K289	TDK	CAP, Film, 0.1 µF, 250 V, +/- 10%, TH	10x4x8.5mm
C5, C6	2	820uF	RL80J821MDN1KX	Nichicon	CAP, AL, 820 µF, 6.3 V, +/- 20%, 0.008 ohm, TH	D8xL8
C7	1	220uF	UKA1A221MED1TD	Nichicon	CAP, AL, 220 µF, 10 V, +/- 20%, TH	D6.3xL11mm
C8, C9, C10	3	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
C11	1	2200pF	GRM1885C1H222JA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C14	1	0.47uF	GRM21BR71H474KA88L	MuRata	CAP, CERM, 0.47 µF, 50 V, +/- 10%, X7R, 0805	0805
C15	1	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D2	1	200V	SMCJ200A	Littelfuse	TVS DIODE 200VWM 324VC SMC	SMC
D3	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D4	1	40V	PDS340	Diodes Inc.	Diode, Schottky, 40 V, 3 A, PowerDI5	PowerDI5
D5	1	100V	MMDL914-TP	Micro Commercial Componen	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
F1	1		0452003.MRL	Littelfuse	Fuse, 3 A, 125VAC/VDC, SMD	SloBlo452
J1	1		1-1318301-2	TE Connectivity	Polarized Header, 7.92 mm, 2x1, Tin, TH	TH Header
L1	1	33uH	NR6028T330M	Taiyo Yuden	Inductor, Wirewound, Ferrite, 33 µH, 1.1 A, 0.22 ohm, SMD	6.0x2.8x6.0mm
L2	1	470nH	SPM6530T-R47M170	TDK	Inductor, Shielded, Ferrite, 470 nH, 15.7 A, 0.0036 ohm, SMD	SMD 7.1x3.0x6.5mm
L3	1	600uH	UU9.8V-601LF	GCI Technologies	Coupled inductor, 600 µH, 1 A, 0.2 ohm, TH	Coupled inductor, 17.5x17x11mm
Q2	1	30V	CSD17559Q5	Texas Instruments	MOSFET, N-CH, 30 V, 100 A, DQH0008A (VSON-CLIP-8)	DQH0008A
Q3	1	650V	IPD60R380C6ATMA1	Infineon Technologies	MOSFET, N-CH, 650 V, 10.6 A, DPAK	DPAK
R3, R7	2	1.00	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, 0805	0805
R4	1	232k	CRCW0402232KFKED	Vishay-Dale	RES, 232 k, 1%, 0.063 W, 0402	0402
R5	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R6	1	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, 0402	0402
R8	1	28.7k	CRCW040228K7FKED	Vishay-Dale	RES, 28.7 k, 1%, 0.063 W, 0402	0402
R9, R15	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R10	1	66.5k	CRCW040266K5FKED	Vishay-Dale	RES, 66.5 k, 1%, 0.063 W, 0402	0402
R11	1	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
R12	1	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402
R13	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R14	1	499	CRCW0402499RFKED	Vishay-Dale	RES, 499, 1%, 0.063 W, 0402	0402
R17	1	2.0Meg	CRCW12062M00JNEA	Vishay-Dale	RES, 2.0 M, 5%, 0.25 W, 1206	1206
R100	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
T1	1	300uH	RLTI-1222	Renco Electronics	Transformer, 300 uH, TH	870x830mil
TP1	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC24636DBVR	Texas Instruments	Synchronous Rectifier Controller With Ultra-Low Standby Current, DBV0006A (SOT-6)	DBV0006A
U2	1		UCC28704DBVR-1	Texas Instruments	Off-Line Constant-Voltage Constant-Current Flyback Controller With Primary-Side Regulation (PSR), DBV0006A (SOT-6)	DBV0006A
Q4	0	650V	IPL60R299CP	Infineon Technologies	MOSFET, N-CH, 650 V, 11.1 A, PG-VSON-4	PG-VSON-4

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R1, R2	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206

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