

PMP22606 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
15V, Vout	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
C100	1	1uF	450MPK105J	Rubycon	CAP, Film, 1 μ F, 450 V,+/- 5%, TH	18x9.5mm
C101, C102, C103	3	180uF	450HXG180MEFCSN22X45	Rubycon	CAP ALUM 180UF 450V 20% SNAP	Cap 22x25mm
C104, C105, C108, C109	4	2200pF	DE6E3KJ222MN3A	MuRata	CAP, CERM, 2200 pF, 300 V, +/- 20%, E, TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm
C106, C107	2	0.47uF	ECQ-U2A474ML	Panasonic	CAP, Film, 0.47 μ F, 275 V, +/- 20%, TH	Radial 25x8.5x18.5
C110, C111	2	1uF	C3216X7R1H105K160AB	TDK	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 1206	1206
C112, C117	2	0.47uF	C0603C474K8RACTU	Kemet	CAP, CERM, 0.47 μ F, 10 V, +/- 10%, X7R, 0603	0603
C113	1	1uF	0805YD105KAT2A	AVX	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0805	0805
C114	1	680pF	06031C681JAT2A	AVX	CAP, CERM, 680 pF, 100 V,+/- 5%, X7R, 0603	0603
C115	1	2700pF	06031C272JAT2A	AVX	CAP, CERM, 2700 pF, 100 V,+/- 5%, X7R, 0603	0603
C116	1	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1 μ F, 16 V, +/- 10%, X5R, 0603	0603
C118	1	1000pF	CL10C102JB8NNNC	Samsung Electro-Mechanics	CAP, CERM, 1000 pF, 50 V, +/- 5%, X7R, 0603	0603
C119	1	10uF	GRM31MR61A106KE19L	MuRata	CAP, CERM, 10 μ F, 10 V, +/- 10%, X5R, 1206	1206
C120	1	0.1uF	12065C104JAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 1206	1206
C121	1	0.022uF	12065C223KAT2A	AVX	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 1206	1206
C122	1	1uF	ECA-2WHG010	Panasonic	CAP, AL, 1 μ F, 450 V, +/- 20%, TH	D8xL13
C123	1	220uF	EKMG250ELL221MHB5D	Chemi-Con	CAP, AL, 220 μ F, 25 V, +/- 20%, TH	D8xL11.5
D100, D103	2	600V	DFB2560	On Semi	Bridge Rectifiers 600V 25A Glass Pass. Bridge Rectifier	5S
D101	1	650V	CVFD20065A	Cree	DIODE SCHKY SIC 650V 20A TO-220	TO-220-2
D104	1	12V	MMSZ4699T1G	ON Semiconductor	Diode, Zener, 12 V, 500 mW, SOD-123	SOD-123
D105	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
D106	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D107	1	600V	ES1J-TP	Diodes Inc.	DIODE FAST REC 600V 1A DO214AC	SMA
D108	1	600V	MURS160-13-F	Diodes Inc.	Diode, Ultrafast, 600V, 1A, SMB	SMB
F100	1		0325020.MXP	Littelfuse	Fuse, 20 A, 60 V, TH	3AB
GND	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
H100, H102, H104, H106, H108, H113	6		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
H101, H103, H105, H107, H109, H114	6		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H110, H111, H112, H115, H116	5		MAX01NG	Aavid Thermalloy	MAX Clip	Clip
HS100, HS101	2		782653B04250G	Aavid	HEATSINK VERT MAX CLIP, BLACK, 4.25 INCHES	4.25 INCH EXTRUDED HEAT SINK
J100, J101	2		691214310002	Würth Elektronik eiSos	Terminal Block, 2x1, 3.81mm, 24-16 AWG, 10A, 300VAC, TH	2x1 Terminal Block
J102	1		703W-00/54	Qualtek Electronics Corporation	AC Receptacle, 10A 250VAC	20X50X28.7mm
K100	1		G5LE-1-E-36-DC12	Omron	Relay, SPDT (1 Form C), 16A, 12 VDC, TH	21x16mm
L100	1		RLTI-1328	Renco Electronics	INDUCTOR WITH KOOL MU MAX CORE	PTH_INDUCTOR
L101, L102	2	1.68mH	750318527	Würth	Coupled inductor, 1.68 mH, A, ohm, TH	D1064xT570mil

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L103	1	2.2mH	744741222	Wurth Elektronik	FIXED IND 2.2MH 210MA 11 OHM TH	Dia 8.5x5.5mm
Q100, Q101	2	650V	IPW65R095C7	Infineon Technologies	MOSFET N-CH 650V 24A TO247	TO-247
Q102	1	80V	FMMT620TA	Diodes	TRANS NPN 80V 1.5A SOT23-3	SOT-23
Q103	1	20 V	FMMT718TA	Diodes Inc.	Transistor, PNP, 20 V, 1.5 A, SOT-23	SOT-23
R100	1	330k	CRCW2512330KJNEG	Vishay-Dale	RES, 330 k, 5%, 1 W, 2512	2512
R101, R102	2	20k	CRCW120620K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.25 W, 1206	1206
R103, R104, R107, R108, R110, R111	6	432k	CRCW1206432KFKEA	Vishay-Dale	RES, 432 k, 1%, 0.25 W, 1206	1206
R105, R106, R109	3	0.033	RLP73M3AR033FTDF	TE Connectivity	RES 0.033 OHM 1% 2W 2512	2512
R112	1	10	TWW10J10RE	Ohmite	RES, 10, 5%, 10 W, TH	12.5x9mm
R115	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221, 1%, 0.1 W, 0603	0603
R116	1	10	CRCW060310R0JNEAHP	Vishay-Dale	RES, 10, 5%, 0.25 W, 0603	0603
R117, R119	2	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499k ohm, 1%, 0.25W, 1206	1206
R118, R120	2	150	CRCW1206150RJNEA	Vishay-Dale	RES, 150, 5%, 0.25 W, 1206	1206
R121	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90 k, 1%, 0.1 W, 0603	0603
R122	1	16.2k	CRCW060316K2FKEA	Vishay-Dale	RES, 16.2 k, 1%, 0.1 W, 0603	0603
R123	1	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3 k, 1%, 0.1 W, 0603	0603
R124	1	137k	CRCW0603137KFKEA	Vishay-Dale	RES, 137 k, 1%, 0.1 W, 0603	0603
R125	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R126, R127	2	12k	CRCW120612K0JNEA	Vishay-Dale	RES, 12k ohm, 5%, 0.25W, 1206	1206
RV100	1		S10K275E2	EPCOS Inc	Varistor 275V RMS 10MM Radial, TH	10mm Radial
U101	1		UCC28180D	Texas Instruments	8-PIN CONTINUOUS CONDUCTION MODE (CCM) PFC CONTROLLER, D0008A	D0008A
U102	1		UCC28880DR	Texas Instruments	High Voltage Switcher for Non-isolated AC/DC Conversion, D0007A (SOIC7)	D0007A
D102	0	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
R113	0	10	CRCW060310R0JNEAHP	Vishay-Dale	RES, 10, 5%, 0.25 W, 0603	0603
R114	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
U100	0		UCC27511DBVR	Texas Instruments	Single-Channel High-Speed Low-Side Gate Driver (with 4-A Peak Source and 8-A Peak Sink), DBV0006A	DBV0006A

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