PMP12074 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C100, C101, C102	3	180uF	450HXG180MEFCSN22X45	Rubycon	CAP ALUM 180UF 450V 20% SNAP	Cap 22x25mm
C103	1	0.33uF	B32922C3334M	EPCOS Inc	CAP, Film, 0.33uF, 630V, +/-20%, TH	B32922_14.5mm
C104	1	1uF	450MPK105J	Rubycon	CAP FILM 1UF 450VDC RADIAL	18.00x20.00x13.50mm
C105, C106, C109, C110	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
C107, C108	2	0.47uF	ECQ-U2A474ML	Panasonic	CAP, Film, 0.47 µF, 275 V, +/- 20%, TH	Radial 25x8.5x18.5
C111, C127	2	1uF	C3216X7R1H105K160AB	TDK	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 1206	1206
C112, C117	2	0.47uF	C0603C474K8RACTU	Kemet	CAP, CERM, 0.47 µF, 10 V, +/- 10%, X7R, 0603	0603
C113	1	1uF	0805YD105KAT2A	AVX	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0805	0805
C114	1	470pF	06031C471JAT2A	AVX	CAP, CERM, 470 pF, 100 V, +/- 5%, X7R, 0603	0603
C115	1	820pF	06035A821JAT2A	AVX	CAP, CERM, 820 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C116	1	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1 µF, 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 µF, 10 V, +/- 10%, X5R, 1206	1206
C120	1	10uF	UVR1V100MDD1TA	Nichicon	CAP, AL, 10uF, 35V, +/-20%, TH	CAPPR2-5x11
C121	1	22pF	06035A220JAT2A	AVX	CAP, CERM, 22pF, 50V, +/-5%, C0G/NP0, 0603	0603
C122	1	6800pF	GRM31BR72J682KW01L	MuRata	CAP, CERM, 6800 pF, 630 V, +/- 10%, X7R, 1206	1206
C123	1	150uF	EEU-FR1E151B	Panasonic	CAP ALUM 150UF 25V 20% RADIAL	6.3x11.2mm
C124	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
C199	1	15pF	06035A150JAT2A	AVX	CAP, CERM, 15 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D100	1	600V	D25XB60-7000	Shindengen	Diode, Switching-Bridge, 600 V, 3.5 A, TH	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	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D107	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100V, 0.15A, SOD-123	SOD-123
D108	1	600V	ES1J-TP	Diodes Inc.	DIODE FAST REC 600V 1A DO214AC	SMA
D109	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
H26, H27, H28, H29, H30	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	Wurth Elektronik eiSos	Terminal Block, 2x1, 3.81mm, 24-16 AWG, 10A, 300VAC, TH	2x1 Terminal Block
J102	1		703W-00/54	Qualtek Electronics Corporatio	AC Receptacle, 10A 250VAC	20X50X28.7mm
K100	1		875B-1CC-F-S-12VDC	SONG CHUAN	Relay, SPDT (1 Form C), 16A, 12 VDC, TH	21x16mm
L101, L102	2	5mH	7448062105	Wurth Elektronik	Coupled inductor, 5 mH, A, 0.0065 ohm, +/- 50%, TH	48x27mm
L103	1	220uH	RFS1113-224ME	Coilcraft	Inductor, Shielded, Ferrite, 220 µH, 1 A, 0.281 ohm, TH	D11xL12.3mm
L104	1	300uH	G154021LF	GCI Technologies	Inductor, 300 µH, 7 A, 0.194 ohm, TH	43x31mm
Q101	1	650V	IPW65R095C7	Infineon Technologies	MOSFET N-CH 650V 24A TO247	TO-247
Q104	1		STN2580	Diodes Inc.	MOSF NPN 400V 1A SOT-223	SOT-223
R100, R101	2	330k	CRCW2512330KJNEG	Vishay-Dale	RES, 330 k, 5%, 1 W, 2512	2512
R102, R103	2	20k	CRCW120620K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.25 W, 1206	1206

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R104, R105, R108, R109, R111, R112	6	432k	CRCW1206432KFKEA	Vishay-Dale	RES, 432 k, 1%, 0.25 W, 1206	1206
R106	1	0.04	CSRN2512FK40L0	Stackpole Electronics Inc	RES, 0.04, 1%, 2 W, 2512	2512
R107	1	0.033	4-1625827-5	TE Connectivity	RES SMD 0.033 OHM 1% 1W 2512	2512
R113	1	10	TWW10J10RE	Ohmite	RES, 10, 5%, 10 W, TH	12.5x9mm
R114, R117	2	10	CRCW060310R0JNEAHP	Vishay-Dale	RES, 10, 5%, 0.25 W, 0603	0603
R115	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R116	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221, 1%, 0.1 W, 0603	0603
R118, R120	2	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499k ohm, 1%, 0.25W, 1206	1206
R119, R121	2	150	CRCW1206150RJNEA	Vishay-Dale	RES, 150, 5%, 0.25 W, 1206	1206
R122	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90 k, 1%, 0.1 W, 0603	0603
R123	1	10.5k	CRCW060310K5FKEA	Vishay-Dale	RES, 10.5 k, 1%, 0.1 W, 0603	0603
R124	1	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3 k, 1%, 0.1 W, 0603	0603
R125, R126	2	3.3Meg	CRCW12063M30JNEA	Vishay-Dale	RES, 3.3Meg ohm, 5%, 0.25W, 1206	1206
R127	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R128	1	475k	CRCW1206475KFKEA	Vishay-Dale	RES, 475k ohm, 1%, 0.25W, 1206	1206
R129	1	17.8k	CRCW060317K8FKEA	Vishay-Dale	RES, 17.8k ohm, 1%, 0.1W, 0603	0603
R130	1	511	CRCW0603511RFKEA	Vishay-Dale	RES, 511 ohm, 1%, 0.1W, 0603	0603
R131, R132	2	1.2	CRCW08051R20JNEA	Vishay-Dale	RES, 1.2 ohm, 5%, 0.125W, 0805	0805
R135	1	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
TP100	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP102	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U100	1		UCC27511DBVR	Texas Instruments	Single-Channel High-Speed Low-Side Gate Driver (with 4-A Peak Source and 8-A Peak Sink), DBV0006A	DBV0006A
U101	1		UCC28180D	Texas Instruments	8-PIN CONTINUOUS CONDUCTION MODE (CCM) PFC CONTROLLER, D0008A	D0008A
U102	1		UCC28722DBV	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, BJT Drive, DBV0006A	DBV0006A
D102	0	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D103	0	600V	D25XB60-7000	Shindengen	Diode, Switching-Bridge, 600 V, 3.5 A, TH	5S
L100	0	570uH	G154015	GCI Technologies	Inductor, Toroid, Ferrite, 570uH, 13 A, 0.03 ohm, TH	D63xH35mm
L105	0	2.54mH	G154016	GCI Technologies	Inductor, Toroid, Ferrite, 2.54mH, 13 A, 0.091 ohm, TH	D79xH43mm
Q100	0	650V	IPW65R095C7	Infineon Technologies	MOSFET N-CH 650V 24A TO247	TO-247
Q102	0	80V	FMMT620TA	Diodes	TRANS NPN 80V 1.5A SOT23-3	SOT-23
Q103	0	20 V	FMMT718TA	Diodes Inc.	Transistor, PNP, 20 V, 1.5 A, SOT-23	SOT-23
R110	0	0.036	1-2176057-4	TE Connectivity	RES SMD 0.036 OHM 1% 2W 2512	2512

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265