

PMP30281 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C3	2	33uF	EKMG401ELL330ML25S	Chemi-Con	CAP, AL, 33 μ F, 400 V, +/- 20%, TH	D16xL25mm
C2	1	0.22uF	R474N32205001K	Kemet	CAP, Film, 0.22 μ F, X2 440 VAC, +/- 10%, AEC-Q200 Grade 2,	26.5x11mm
C4	1	1uF	GRM21BR71A105KA01L	MuRata	CAP, CERM, 1 μ F, 10 V, +/- 10%, X7R, 0805	0805
C5	1	470uF	16ZLJ470MTA8X11.5	Rubycon	CAP, AL, 470 μ F, 16 V, +/- 20%, 0.075 ohm, TH	CAP, 8x11.5mm
C6	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 0805	0805
C7	1	680uF	EEU-FC1V681L	Panasonic	CAP, AL, 680 μ F, 35 V, +/- 20%, TH	Cap 10x20mm
C8	1	10uF	C3216X7R1V106K160AC	TDK	CAP, CERM, 10 μ F, 35 V, +/- 10%, X7R, 1206	1206
C9	1	0.22uF	GRM21BR71H224KA01L	MuRata	CAP, CERM, 0.22 μ F, 50 V, +/- 10%, X7R, 0805	0805
C10, C11	2	22pF	GRM1555C1H220FA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
C12, C13	2	2200pF	DE6E3KJ222MN3A	MuRata	CAP, CERM, 2200 pF, X1 440 VAC/Y2 300 VAC, +/- 20%, E, AEC-Q200 Grade 1, TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm
C101	1	TBD	TBD	TBD	CAP, Film, 0.22 μ F, X2 440 VAC, +/- 10%, AEC-Q200 Grade 2,	26.5x11mm
D1	1	800V	MB8S-TP	Micro Commercial Component	Diode, Switching-Bridge, 800 V, 0.5 A, TO269AA	TO269AA
D2	1	130V	SMBJ130A-13-F	Diodes Inc.	Diode, TVS, Uni, 130 V, 209 Vc, SMB	SMB
D3	1	800V	US1K-13-F	Diodes Inc.	Diode, Fast Rectifier, 800 V, 1 A, SMA	SMA
D4	1	100V	SS110-TP	Micro Commercial Component	Diode, Schottky, 100 V, 1 A, SMA	SMA
D5	1	400V	MURS140-13-F	Diodes Inc.	Diode, Ultrafast, 400 V, 1 A, SMB	SMB
D6	1	400V	ES1G-13-F	Diodes Inc.	Diode, Superfast Rectifier, 400 V, 1 A, SMA	SMA
D7	1	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
D8	1	DNP	MMSZ5257B-7-F	Diodes Inc.	Diode, Zener, 33 V, 500 mW, SOD-123	SOD-123
D9	1	68V	BZX84C68LT1G	ON Semiconductor	Diode, Zener, 68 V, 225 mW, SOT-23	SOT-23
L1, L2	2	220uH	768772221	Würth Elektronik	Inductor, Unshielded Drum Core, Powdered Iron, 220 μ H	Dia 8x10mm
L101	1		TBD	Used in BOM report	Coupled Inductor, xxuH, xxA, x.xx ohm, +/-xx%, [MountType]	Used in PnP output and some BOM reports
Q1	1	800 V	FJP2160D	Fairchild Semiconductor	Transistor, NPN, 2 A, TO-220AB	TO-220AB
R1, R4	2	TBD	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R2, R3, R5, R6	4	3.40Meg	CRCW12063M40FKEA	Vishay-Dale	RES, 3.40 M, 1%, 0.25 W, 1206	1206
R7	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R8	1	2.00k	CRCW08052K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.125 W, 0805	0805
R9, R10, R11, R12	4	1.00Meg	CRCW12061M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.25 W, 1206	1206
R13	1	10.0	RC0805FR-0710RL	Yageo America	RES, 10.0, 1%, 0.125 W, 0805	0805
R14, R16	2	63.4k	CRCW060363K4FKEA	Vishay-Dale	RES, 63.4 k, 1%, 0.1 W, 0603	0603
R15	1	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R17	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R18	1	1.30k	CRCW06031K30FKEA	Vishay-Dale	RES, 1.30 k, 1%, 0.1 W, 0603	0603
R19	1	28.7k	CRCW060328K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.1 W, 0603	0603
R20, R21	2	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	0603
R22	1	1.50	ERJ-6RQF1R2V	Panasonic	RES, 1.20, 1%, 0.125 W, 0805	0805
R23	1	10.0	ERJ-6RQF10	Panasonic	RES, 10.0, 1%, 0.125 W, 0805	0805
T1	1	1.5mH	750317104	Würth Elektronik	Transformer, 1500 uH, TH	25x22.2mm

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP1, TP2, TP3, TP5	4	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP6	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28722DBVR	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, BJT Drive, DBV0006A	DBV0006A

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