

TEXAS INSTRUMENTS

PMP11500 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP11500	Any	Printed Circuit Board	Ĭ
C1, C2, C11, C12	4	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
C3	1	10uF	UVR2E100MPD	Nichicon	CAP, AL, 10 μF, 250 V, +/- 20%, TH	10x16mm
C4	1	22uF	EEU-EE2E220	Panasonic	CAP, AL, 22 μF, 250 V, +/- 20%, TH	Cap, 10x20mm
C5	1	0.047uF	GRM32DR72J473KW01L	MuRata	CAP, CERM, 0.047 µF, 630 V, +/- 10%, X7R, 1210	1210
C7	1	0.1uF	B32520C3104K289	TDK	CAP, Film, 0.1 µF, 250 V, +/- 10%, TH	10x4x8.5mm
C8, C9	2	820uF	RL80J821MDN1KX	Nichicon	CAP, AL, 820 µF, 6.3 V, +/- 20%, 0.008 ohm, TH	D8xL8
C10	1	220uF	UKA1A221MED1TD	Nichicon	CAP, AL, 220 µF, 10 V, +/- 20%, TH	D6.3xL11mm
C13	1	1uF	GCM31MR71H105KA55L	MuRata	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C14	1	1000pF	DE1E3KX102MA5BA01	MuRata	CAP, CERM, 1000 pF, 250 V, +/- 20%, E, Disc, 8x12mm	Disc, 8x12mm
D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D2	1	160V	SMCJ160A-TP		ien Diode, TVS, Uni, 160 V, 1500 W, SMC	SMC
D3	1	40V	PDS340	Diodes Inc.	Diode, Schottky, 40 V, 3 A, PowerDI5	PowerDI5
D4	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D5	1	100V	MMDL914-TP		nen 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	806uH	RLTI-1081	Renco Electronics	Coupled inductor, 806 µH, A, 0.27 ohm, TH	360x360x360mil
L3	1	470nH	SPM6530T-R47M170	TDK	Inductor, Shielded, Ferrite, 470 nH, 15.7 A, 0.0036 ohm, SMD	SMD 7.1x3.0x6.5mm
Q1	1	30V	CSD17559Q5	Texas Instruments	MOSFET, N-CH, 30 V, 100 A, SON 5x6mm	SON 5x6mm
Q2	1	650V	IPL60R299CP	Infineon Technologies	MOSFET, N-CH, 650 V, 11.1 A, PG-VSON-4	PG-VSON-4
R1	1	232k	CRCW0402232KFKED	Vishay-Dale	RES, 232 k, 1%, 0.063 W, 0402	0402
R2	1	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, 0402	0402
R4, R14	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R6	1	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402
R7	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R10	1	5.1	CRCW06035R10JNEA	Vishay-Dale	RES, 5.1, 5%, 0.1 W, 0603	0603
R11	1	76.8k	CRCW040276K8FKED	Vishay-Dale	RES, 76.8 k, 1%, 0.063 W, 0402	0402
R12	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
R13, R17	2	30.1k	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, 0402	0402
R15	1	0.82	ERJ-6RQFR82V	Panasonic	RES, 0.82, 1%, 0.125 W, 0805	0805
R16	1	1.00	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, 0805	0805
T1	1	230uH	TBD	Renco Electronics	Transformer, 230 uH, TH	670x720mil
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		UCC24650DBVR	Texas Instruments	200-V Wake-Up Monitor for Fast Transient PSR, DBV0005A	DBV0005A
U2	1		UCC24636DBVR	Texas Instruments	SYNCRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U3	1		UCC28730DR	Texas Instruments	Constant-Voltage Constant-Current Flyback Controller With PSR and Wake-Up Monitoring, D0007A	D0007A
C6	0	2200pF	GRM1885C1H222JA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
		0.022uF	GRM155R71H223KA12D	MuRata	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0402	0402
C15	0	IU.UZZUF	IGUNI 1990/ TUZZONA IZIZ			

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D6	0	30V	BAT54ST-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-523	SOT-523
R3	0	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
R5, R8	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R9	0	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, 0402	0402
R18	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
R19	0	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
R20	0	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R21	0	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R22	0	30.1k	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, 0402	0402
R23	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R24	0	5.23k	CRCW04025K23FKED	Vishay-Dale	RES, 5.23 k, 1%, 0.063 W, 0402	0402
R25	0	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
U4	0		VOS617A-7X001T	Vishay-Semiconductor	OptoCoupler, Phototransitor, 80-160%, SSOP-4	7x2.12x2.6mm
U5	0		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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