

PMP30805 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C3	2	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C2	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C4, C7, C9	3	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805, CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805, CAP, CERM, 1 uF, 50 V, +/-	0805
C5	1	1uF	GRM21BR71A105KA01L	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X7R, 0805	0805
C6, C10	2	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C8	1	0.01uF	GCM188R71H103KA37D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0603	0603
C11, C16, C19	3	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C12, C13, C14	3	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 10%, X7R, 1210	1210
C15	1	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X7R, 0603	0603
C17	1	560pF	GRM1885C1E561JA01D	MuRata	CAP, CERM, 560 pF, 25 V, +/- 5%, C0G/NP0, 0603	0603
C18	1	22pF	GRM1885C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1, D3	2	100V	BAS16LT1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOT-23	SOT-23
D2	1	60V	B360AM-13-F	Diodes Inc.	Diode, Schottky, 60 V, 3 A, AEC-Q101, SMA	SMA
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	THT, 7.0x8.2x6.5mm
L1	1	10uH	SRF0703A-100M	Bourns	Coupled inductor, 10 uH, 2.47 A, 0.1652 ohm, SMD	SMD 7.6x7.6x3.6mm
L2	1	470nH	SRN4012TA-R47M	Bourns	Inductor, Shielded, Ferrite, 470 nH, 3.2 A, 0.03 ohm, SMD	SMD 4.0x4.0x1.2mm
Q1	1	100V	IAUZ18N10S5L420	Infineon Technologies	MOSFET, N-CH, 100 V, 40 A, 8-PG-TSDSON	8-PG-TSDSON
R1, R9	2	10	CRCW060310R0JNEAHP	Vishay-Dale	RES, 10, 5%, 0.25 W, 0603	0603
R2, R4	2	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3	1	261k	CRCW0603261KFKEA	Vishay-Dale	RES, 261 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R6	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	1	93.1k	CRCW060393K1FKEA	Vishay-Dale	RES, 93.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	0.03	WSLP0805R0300FEB	Vishay-Dale	RES, 0.03, 1%, 0.5 W, 0805	0805
R10	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
R12	1	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R13	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
TP1, TP2	2		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP4, TP6	2		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP5	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
U1	1		LM51551QDSSRQ1	Texas Instruments	Automotive Grade 2.2-MHz Wide Input Non-sync Boost Ctrl	DSS0012C (WSON-12)

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