

PMP30602 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C6	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C2	1	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 μF, 10 V,+/- 10%, X7R, AEC-Q200 Grade 1	1206
C3, C10	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μF, 25 V,+/- 10%, X7R, 0603	0603
C4, C7, C12	3	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 μF, 25 V,+/- 10%, X7R, 0603	0603
C5, C8, C100	3	2.2uF	GRM31CR72A225KA73L	MuRata	CAP, CERM, 2.2 μF, 100 V,+/- 10%, X7R, 1206	1206
C9	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 μF, 100 V,+/- 10%, X7R, 0603	0603
C11	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V,+/- 10%, X7R, 0603	0603
D1	1	100V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100 V, 1 A, PowerDI123	PowerDI123
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	THT 7.0x8.2x6.5mm
L1	1	10uH	LPD5030-103MRB	Coilcraft	Coupled inductor, 10 μH, 1.2 A, 0.21 ohm, SMD	SMD 4.8x4.8x2.9mm
R1	1	42.2k	CRCW060342K2FKEA	Vishay-Dale	RES, 42.2 k, 1%, 0.1 W, 0603	0603
R2	1	46.4k	CRCW060346K4FKEA	Vishay-Dale	RES, 46.4 k, 1%, 0.1 W, 0603	0603
R3	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
R4	1	4.64k	CRCW06034K64FKEA	Vishay-Dale	RES, 4.64 k, 1%, 0.1 W, 0603	0603
R5	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R6, R9	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R7	1	402k	CRCW0603402KFKEA	Vishay-Dale	RES, 402 k, 1%, 0.1 W, 0603	0603
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
TP1, TP4, TP6	3	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP2, TP10	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP5, TP8	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP7	1	Blue	5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
TP9	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
U1	1		LM5001IDRQ1	Texas Instruments	Automotive Grade 3.1-75V Wide Vin, 1A CM Non-Sync Reg	D0008A (SOIC-8)
U2	1		TLV271QDBVRQ1	Texas Instruments	Automotive 550 uA/Ch, 3 MHz, Rail-to-Rail Output OpAmp	DBV0005A (5-pin SOT-23)

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2019, Texas Instruments Incorporated