

PMP30603 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C101	2	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 μ F, 10 V,+/- 10%, X7R, AEC-Q200 Grade 1	1206
C2, C9, C102, C109	4	2.2uF	GRM31CR72A225KA73L	MuRata	CAP, CERM, 2.2 μ F, 100 V,+/- 10%, X7R, 1206	1206
C3	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 μ F, 100 V,+/- 10%, X7R, 0603	0603
C4, C5	2	0.022uF	GRM188R71C223KA01D	MuRata	CAP, CERM, 0.022 μ F, 16 V,+/- 10%, X7R, 0603	0603
C6	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V,+/- 10%, X7R, 0603	0603
C7	1	1000pF	GRM188R72A102KA01D	MuRata	CAP, CERM, 1000 pF, 100 V,+/- 10%, X7R, 0603	0603
C8	1	0.01uF	GRM188R72A103KA01D	MuRata	CAP, CERM, 0.01 μ F, 100 V,+/- 10%, X7R, 0603	0603
D1	1	80V	MBR0580-TP	Micro Commercial Components	Diode, Schottky, 80 V, 0.5 A, SOD-123	SOD-123
Jmp1, Jmp2	2		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
L1	1	33uH	LPS6235-333MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 33 μ H, 1.3 A, 0.18 ohm	SMD LPS6235
R1	1	3.01Meg	CRCW06033M01FKEA	Vishay-Dale	RES, 3.01 M, 1%, 0.1 W, 0603	0603
R2	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R3	1	3.32	CRCW06033R32FKEA	Vishay-Dale	RES, 3.32, 1%, 0.1 W, 0603	0603
R4, R5	2	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R6	1	576k	CRCW0603576KFKEA	Vishay-Dale	RES, 576 k, 1%, 0.1 W, 0603	0603
TP1	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP5	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP3, TP4	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP6	1	Blue	5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
U1	1		LM5161QPWPRQ1	Texas Instruments	Wide Input 4.5-V to 100-V, 1-A Sync Buck / Fly-Buck Conv.	PWP0014A (TSSOP-14)

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