PMP30251_RevB BOM

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C100, C101	2	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47 µF, 400 V, +/- 20%, TH	18x20mm
C102, C103	2	0.22uF	890324025027CS	Wurth Elektronik	CAP, Film, 0.22 µF, 275 V, +/- 10%, TH	18x6x11.5mm
C104, C105	2	470uF	35ZLG470MEFC10X20	Rubycon	CAP, [Technology], 470uF, 35V	
C106	1	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 0805	0805
C107	1	2200pF	DE1E3KX222MN4AP01F	MuRata	CAP, CERM, 2200 pF, 300 V, +/- 20%, E, D10	D10xT7mm
C108	1	6.8uF	C3216X7R1V685K160AC	TDK	CAP, CERM, 6.8 µF, 35 V, +/- 10%, X7R, 1206	1206
C109	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C110, C112, C114, R111, R117	5	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [Packa	
C111	1	0.022uF	C0603C223K5RACTU	Kemet	CAP, CERM, 0.022 µF, 50 V,+/- 10%, X7R, 06	0603
C113	1	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 µF, 50 V, +/- 10%, X7R, 06	0603
D100	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D101	1	150V	SMCJ150A-TP	Micro Commercial Componer	Diode, TVS, Uni, 150 V, 1500 W, SMC	SMC
D102	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D103	1	200V	STB15200TR	SMC Diode Solutions	Diode, Schottky, 200 V, 15 A, DDPAK	DDPAK
D104	1	150V	ES1C-13-F	Diodes Inc.	Diode, Superfast Rectifier, 150 V, 1 A, SMA	SMA
D105	1	100V	MMDL914-TP	Micro Commercial Componer	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D106	1	DNP	DNP	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
F100	1		37212000001	Littelfuse	Fuse, 2 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
L100	1	33uH	7447713330	Wurth Elektronik	Inductor, Shielded Drum Core, Ferrite, 33 µH	SMD
L101	1	1mH	744821201	Wurth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
L102	1	DNP	744822222	Wurth Elektronik	Coupled inductor, 2.2 mH, 0.07 ohm, TH	14.7x13mm
Q100	1	710V	STB8N65M5	STMicroelectronics	MOSFET, N-CH, 710 V, 7 A, DDPAK	DDPAK
Q101	1	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
R100	1	20	CRCW201020R0JNEF	Vishay-Dale	RES, 20, 5%, 0.75 W, AEC-Q200 Grade 0, 201	2010
R101	1	33	CRCW080533R0JNEA	Vishay-Dale	RES, 33, 5%, 0.125 W, 0805	0805
R102	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R103	1	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, 0603	0603
R104	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R105	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805

R106	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R107	1	1.47k	CRCW06031K47FKEA	Vishay-Dale	RES, 1.47 k, 1%, 0.1 W, 0603	0603
R108	1	28.7k	CRCW060328K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.1 W, 0603	0603
R109	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603
R110	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R112	1	3.90	ERJ-8RQF3R9V	Panasonic	RES, 3.90, 1%, 0.25 W, 1206	1206
R113	1	0.25	CSRN2010FKR250	Stackpole Electronics Inc	RES, 0.25, 1%, 1 W, 2010	2010
R114	1	11.3k	CRCW060311K3FKEA	Vishay-Dale	RES, 11.3 k, 1%, 0.1 W, 0603	0603
R115	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R116, R118	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
T100	1	150uH	7508113423	Wurth Elektronik	Transformer, 150 uH, TH	32.25x27.05mm
TP100, TP101, TP102, TP103	4	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP104, TP105	2		5000	Keystone	Test Point, Miniature, Red, TH	
TP106	1		5001	Keystone	Test Point, Miniature, Black, TH	
U100	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback	D0007A
U101	1		FOD817A	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	
U102	1		LMV431AIMF	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Sh	MF03A

IMPORTANT NOTICE FOR TI DESIGN INFORMATION AND RESOURCES

Texas Instruments Incorporated ('TI") technical, application or other design advice, services or information, including, but not limited to, reference designs and materials relating to evaluation modules, (collectively, "TI Resources") are intended to assist designers who are developing applications that incorporate TI products; by downloading, accessing or using any particular TI Resource in any way, you (individually or, if you are acting on behalf of a company, your company) agree to use it solely for this purpose and subject to the terms of this Notice.

TI's provision of TI Resources does not expand or otherwise alter TI's applicable published warranties or warranty disclaimers for TI products, and no additional obligations or liabilities arise from TI providing such TI Resources. TI reserves the right to make corrections, enhancements, improvements and other changes to its TI Resources.

You understand and agree that you remain responsible for using your independent analysis, evaluation and judgment in designing your applications and that you have full and exclusive responsibility to assure the safety of your applications and compliance of your applications (and of all TI products used in or for your applications) with all applicable regulations, laws and other applicable requirements. You represent that, with respect to your applications, you have all the necessary expertise to create and implement safeguards that (1) anticipate dangerous consequences of failures, (2) monitor failures and their consequences, and (3) lessen the likelihood of failures that might cause harm and take appropriate actions. You agree that prior to using or distributing any applications that include TI products, you will thoroughly test such applications and the functionality of such TI products as used in such applications. TI has not conducted any testing other than that specifically described in the published documentation for a particular TI Resource.

You are authorized to use, copy and modify any individual TI Resource only in connection with the development of applications that include the TI product(s) identified in such TI Resource. NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER TI INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT OF TI OR ANY THIRD PARTY IS GRANTED HEREIN, including but not limited to any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information regarding or referencing third-party products or services does not constitute a license to use such products or services, or a warranty or endorsement thereof. Use of TI Resources may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

TI RESOURCES ARE PROVIDED "AS IS" AND WITH ALL FAULTS. TI DISCLAIMS ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, REGARDING TI RESOURCES OR USE THEREOF, INCLUDING BUT NOT LIMITED TO ACCURACY OR COMPLETENESS, TITLE, ANY EPIDEMIC FAILURE WARRANTY AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

TI SHALL NOT BE LIABLE FOR AND SHALL NOT DEFEND OR INDEMNIFY YOU AGAINST ANY CLAIM, INCLUDING BUT NOT LIMITED TO ANY INFRINGEMENT CLAIM THAT RELATES TO OR IS BASED ON ANY COMBINATION OF PRODUCTS EVEN IF DESCRIBED IN TI RESOURCES OR OTHERWISE. IN NO EVENT SHALL TI BE LIABLE FOR ANY ACTUAL, DIRECT, SPECIAL, COLLATERAL, INDIRECT, PUNITIVE, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES IN CONNECTION WITH OR ARISING OUT OF TI RESOURCES OR USE THEREOF, AND REGARDLESS OF WHETHER TI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

You agree to fully indemnify TI and its representatives against any damages, costs, losses, and/or liabilities arising out of your non-compliance with the terms and provisions of this Notice.

This Notice applies to TI Resources. Additional terms apply to the use and purchase of certain types of materials, TI products and services. These include; without limitation, TI's standard terms for semiconductor products http://www.ti.com/sc/docs/stdterms.htm), evaluation modules, and samples (http://www.ti.com/sc/docs/sampterms.htm).

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2017, Texas Instruments Incorporated