

Filename: PMP30339RevA - BoM.xls
 Variant: None
 Generated: 8/29/2017 10:57:20 AM
 TID #: <Parameter TID not found>



PMP30339 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C4, C7, C10, C31, C33	5	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 μ F, 50 V,+/- 10%, X7R, 1210	1210
2	C5, C14, C17, C22, C26, C32	6	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
3	C6	1	150uF	EEHZC1V151P	Panasonic	CAP, Polymer Hybrid, 150 uF, 35 V, +/- 20%, 27 ohm, 8x10 SMD	8x10
4	C15	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 μ F, 100 V, +/- 10%, X7R, 0805	0805
5	C16	1	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7 μ F, 16 V, +/- 10%, X5R, 0603	0603
6	C20, C21	2	150uF	6SVPE150M	Panasonic	CAP, Aluminum Polymer, 150 uF, 6.3 V, +/- 20%, 0.012 ohm, E61 SMD	E61
7	C24	1	10uF	GRM31CR70J106KA01L	MuRata	CAP, CERM, 10 μ F, 6.3 V,+/- 10%, X7R, 1206	1206
8	C25	1	33pF	06035A330JAT2A	AVX	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
9	C27	1	0.01uF	C1608X7R2A103M	TDK	CAP, CERM, 0.01 μ F, 100 V, +/- 20%, X7R, 0603	0603
10	C28	1	470pF	GRM188R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V,+/- 10%, X7R, 0603	0603
11	C30	1	0.015uF	GRM188R71H153KA01D	MuRata	CAP, CERM, 0.015 μ F, 50 V,+/- 10%, X7R, 0603	0603
12	C34	1	5600pF	GRM188R71H562KA01D	MuRata	CAP, CERM, 5600 pF, 50 V,+/- 10%, X7R, 0603	0603
13	D2	1	60V	PMEG6010CEJ,115	NXP Semiconductor	Diode, Schottky, 60 V, 1 A, SOD-323F	SOD-323F
14	D3	1	40V	B340A-13-F	Diodes Inc.	Diode, Schottky, 40 V, 3 A, SMA	SMA
15	J1	1		1729018	Phoenix Contact	TERM BLOCK 2POS 5mm, TH	10x10x8.1 mm
16	J2, J5	2		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
17	J4, J6	2		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
18	L1	1	160nH	XAL7070-161MEB	Coilcraft	Inductor, Shielded, Composite, 160 nH, 36.1 A, 0.00075 ohm, SMD	7.2x7x7.5mm
19	L4	1	2.2uH	XAL1010-222MEB	Coilcraft	Inductor, Shielded, Composite, 2.2 μ H, 32 A, 0.00255 ohm, SMD	Inductor, 11.3x10x10mm
20	Q1, Q2, Q3, Q4	4	40V	SQJA88EP	Vishay-Siliconix	MOSFET, N-CH, 40 V, 30 A, AEC-Q101, PowerPAK_SO-8L	PowerPAK_SO-8L
21	R4	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
22	R6, R8, R9, R12, R14, R19	6	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
23	R10	1	0.004	ERJ-M1WSF4M0U	Panasonic	RES, 0.004, 1%, 1 W, 2512	2512
24	R15, R16	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
25	R17	1	5.36k	CRCW06035K36FKEA	Vishay-Dale	RES, 5.36 k, 1%, 0.1 W, 0603	0603
26	R18	1	34.8k	CRCW060334K8FKEA	Vishay-Dale	RES, 34.8 k, 1%, 0.1 W, 0603	0603
27	R20	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
28	R22	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
29	R23	1	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.25 W, 1206	1206
30	TP1, TP2	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
31	TP3, TP4	2	Triple	1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
32	TP6	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
33	U2	1		LM5141QRGEQ1	Texas Instruments	IC, PWM, Buck Controller, w/ Dither	RGE0024H

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/sampterm.htm) (<http://www.ti.com/sc/docs/sampterm.htm>).

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