

## PMP40228 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C2	1	2200pF	C0603C222K5RAC	Kemet	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0603	0603
C3	1	470pF	VJ1206Y471KXEAT5Z	Vishay-Vitramon	CAP, CERM, 470 pF, 500 V, +/- 10%, X7R, 1206	1206
C4, C5	2	10uF	B43851A9106M	TDK	CAP, AL, 10 µF, 400 V, +/- 20%, 18 ohm, TH	D10xL20mm
C6	1	680uF		Chemi-Con	CAP, AL, 680 µF, 6.3 V, +/- 20%, TH	D6.3xL11mm
C7	1	470uF		Chemi-Con	CAP, AL, 470 µF, 6.3 V, +/- 20%, TH	D6.3xL11mm
C8	1	100pF	DE1B3KX101KB4BN01F	MuRata	CAP CER 100PF 250V RADIAL	Disc, 8x12mm
C9	1	2.2uF	C2012X7R1H225K125AC	TDK	CAP, CERM, 2.2 µF, 50 V, +/- 10%, X7R, 0805	0805
C10	1	0.47uF	GRM188R61A474KA61D	MuRata	CAP, CERM, 0.47 µF, 10 V, +/- 10%, X5R, 0603	0603
D1	1	600V	MDB6S	Fairchild Semiconductor	Diode, Switching-Bridge, 600 V, 1 A, MICRODIP_4	MICRODIP_4
D2	1	45V	PS1045L	Chongqing pingwei	Diode, Super Barrier Rectifier, 45 V, 10 A, PowerDI5	PowerDI5
D3	1	600V	DFLR1600-7	Diodes Inc.	Diode, Standard Recovery Rectifier, 600 V, 1 A, PowerDI123	PowerDI123
D4	1	200V	BAV21W-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOD-123	SOD-123
F1	1			Littelfuse	Fuse, 2 A, 250VAC/VDC, TH	8x8.5x4mm
J1	1		896-43-004-00-000000	Mill-Max	Connector, Receptacle, USB TYPE A, R/A, Top Mount SMT	USB TYPE A CONNECTOR RECEPTACLE 4POS SMD
L1	1	10mH			Coupled inductor, 10 mH, TH	14.7x13mm
L2	1	220uH			Inductor, 220 µH, TH	Axial Lead Power Choke
Q1	1	650V	JCS4N65V	JILIN SINO	MOSFET, N-CH, 650 V, 4 A, IPAK	IPAK
R1	1	0	MCR18EZPJ000	Rohm	RES, 0, 5%, 0.25 W, 1206	1206
R5	1	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R6	1	20.0	CRCW080520R0FKEA	Vishay-Dale	RES, 20.0, 1%, 0.125 W, 0805	0805
R7, R14	2	4.75Meg	CRCW12064M75FKEA	Vishay-Dale	RES, 4.75 M, 1%, 0.25 W, 1206	1206
R8	1	470k	RC1206FR-07470KL	Yageo America	RES, 470 k, 1%, 0.25 W, 1206	1206
R10, R12, R30	3	620	RC1206FR-07620RL	Yageo America	RES, 620, 1%, 0.25 W, 1206	1206
R13	1	1.30k	RC0603FR-071K3L	Yageo America	RES, 1.30 k, 1%, 0.1 W, 0603	0603
R16	1	2.20Meg	RC1206FR-072M2L	Yageo America	RES, 2.20 M, 1%, 0.25 W, 1206	1206
R17	1	10.0	CRCW080510R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R18	1	47	CRCW080547R0JNEA	Vishay-Dale	RES, 47, 5%, 0.125 W, 0805	0805
R19	1	68.0k	RC1206FR-0768KL	Yageo America	RES, 68.0 k, 1%, 0.25 W, 1206	1206
R20	1	1.50Meg	CRCW06031M50FKEA	Vishay-Dale	RES, 1.50 M, 1%, 0.1 W, 0603	0603
R21	1	1.80k	RC0603FR-071K8L	Yageo America	RES, 1.80 k, 1%, 0.1 W, 0603	0603
R22, R23	2	2.20	RC0805FR-072R2L	Yageo America	RES, 2.20, 1%, 0.125 W, 0805	0805
R24	1	38.3k	CRCW060338K3FKEA	Vishay-Dale	RES, 38.3 k, 1%, 0.1 W, 0603	0603
RV1	1	560 V		Littelfuse	Varistor, 560 V, TH	Disc, 10mm
T1	1				Transformer EE16-12-8, TH	16.9x13.3x19mm
U1	1		UCC28704DBVR-1	Texas Instruments	CV/CC Flyback Controller with Primary-Side Regulation (PSR) and CC Under-Voltage Protection, DBV0006A (SOT-6)	DBV0006A

## 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