PDS BOM-PMP11612.xls
None
3/28/2016 6:35:20 PM
PMP11612

PMP11612 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C2	1	2200pF	GCM155R71H222KA37D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C3	1	470pF	VJ1206Y471KXEAT5Z	Vishay-Dale	CAP, CERM, 470 pF, 500 V, +/- 10%, X7R, 1206	1206
C4, C5	2	10uF	UVC2G100MPD1TD	Nichicon	CAP, AL, 10 µF, 400 V, +/- 20%, 18 ohm, TH	D10xL20mm
C6, C7	2	680uF	6SEPC680MW	Panasonic	CAP, AL, 680 µF, 10 V, +/- 20%, 0.007 ohm, TH	D10x12.5mm
C8	1	100pF	DE1B3KX101KB4BN01F	MuRata	CAP CER 100PF 250V RADIAL	
F1	1	1A	0263001.WRT1L	Littelfuse	Fuse, 1 A, 250VAC/VDC, TH	
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
D2	1	50V	SBRT15U50SP5-13	Diodes Inc.	Diode, Super Barrier Rectifier, 50 V, 15 A, AEC-Q101, PowerDI5	PowerDI5
D3, D5, D6, D7, D8	5	600V	DFLR1600-7	Diodes Inc.	Diode, Standard Recovery Rectifier, 600 V, 1 A, PowerDI123	PowerDI123
D4	1	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
J1	1			Mill-Max	Connector, Receptacle, USB TYPE A, R/A, Top Mount SMT	USB TYPE A CONNECTOR RECEPTACLE 4POS SMD
L1	1	220u	7447462221	Wurth	Inductor, Unshielded Drum Core, Ferrite, 220 µH, 0.5 A, 0.96 ohm, TH	D6 x 8.5mm
Q1	1	650V	SW7N65K	Samwin	MOSFET, N-CH, 600 V, 7 A, IPAK	IPAK
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	4.7Meg	CRCW08054M70JNEA	Vishay-Dale	RES, 4.7 M, 5%, 0.125 W, 0805	0805
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	2.2Meg	CRCW08052M20JNEA	Vishay-Dale	RES, 2.2 M, 5%, 0.125 W, 0805	0805
R17	1	10.0	RC0603FR-0710RL	Yageo America	RES, 10.0, 1%, 0.1 W, 0603	0603
R18	1	47	CRCW060347R0JNEA	Vishay-Dale	RES, 47, 5%, 0.1 W, 0603	0603
R19	1	68.0k	RC0603FR-0768KL	Yageo America	RES, 68.0 k, 1%, 0.1 W, 0603	0603
R20	1	620k	RC0603FR-07620KL	Yageo America	RES, 620 k, 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	1	2.00	RC0805FR-072RL	Yageo America	RES, 2.00, 1%, 0.125 W, 0805	0805
R23	1	2.4	RC0805FR-072R4L	Yageo America	RES, 2.4, 1%, 0.125 W, 0805	0805
R24	1	43.0k	RC0603FR-0743KL	Yageo America	RES, 43.0 k, 1%, 0.1 W, 0603	0603
R26	1	0	RC0805JR-070RL	Yageo America	RES, 0, 5%, 0.125 W, 0805	0805
RT1	1	4.7	B57153S479M51	TDK	ICL 4.7 OHM 20% 3A 8.5MM	
T1	1	850uH	10339-T048	Sumida	Transformer, Flyback, EE16	
U1	1	UCC28704	UCC28704DBVR-1	Texas Instruments	IC, Constant Voltage, Constant Current PWM With Primary Side Regulation	

IMPORTANT NOTICE FOR TI REFERENCE DESIGNS

Texas Instruments Incorporated ("TI") reference designs are solely intended to assist designers (“Buyers”) who are developing systems that incorporate TI semiconductor products (also referred to herein as “components”). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, evaluation and judgment in designing Buyer’s systems and products.

TI reference designs have been created using standard laboratory conditions and engineering practices. **TI has not conducted any testing other than that specifically described in the published documentation for a particular reference design.** TI may make corrections, enhancements, improvements and other changes to its reference designs.

Buyers are authorized to use TI reference designs with the TI component(s) identified in each particular reference design and to modify the reference design in the development of their end products. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER TI INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, 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 components or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services, or a warranty or endorsement thereof. Use of such information 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 REFERENCE DESIGNS ARE PROVIDED "AS IS". TI MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE REFERENCE DESIGNS OR USE OF THE REFERENCE DESIGNS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. TI DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO TI REFERENCE DESIGNS OR USE THEREOF. TI SHALL NOT BE LIABLE FOR AND SHALL NOT DEFEND OR INDEMNIFY BUYERS AGAINST ANY THIRD PARTY INFRINGEMENT CLAIM THAT RELATES TO OR IS BASED ON A COMBINATION OF COMPONENTS PROVIDED IN A TI REFERENCE DESIGN. IN NO EVENT SHALL TI BE LIABLE FOR ANY ACTUAL, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES, HOWEVER CAUSED, ON ANY THEORY OF LIABILITY AND WHETHER OR NOT TI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, ARISING IN ANY WAY OUT OF TI REFERENCE DESIGNS OR BUYER’S USE OF TI REFERENCE DESIGNS.

TI reserves the right to make corrections, enhancements, improvements and other changes to its semiconductor products and services per JESD46, latest issue, and to discontinue any product or service per JESD48, latest issue. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All semiconductor products are sold subject to TI’s terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its components to the specifications applicable at the time of sale, in accordance with the warranty in TI’s terms and conditions of sale of semiconductor products. Testing and other quality control techniques for TI components are used to the extent TI deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed.

TI assumes no liability for applications assistance or the design of Buyers’ products. Buyers are responsible for their products and applications using TI components. To minimize the risks associated with Buyers’ products and applications, Buyers should provide adequate design and operating safeguards.

Reproduction of significant portions of TI information in TI data books, data sheets or reference designs is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Buyer acknowledges and agrees that it is solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of TI components in its applications, notwithstanding any applications-related information or support that may be provided by TI. Buyer represents and agrees that it has all the necessary expertise to create and implement safeguards that anticipate dangerous failures, monitor failures and their consequences, lessen the likelihood of dangerous failures and take appropriate remedial actions. Buyer will fully indemnify TI and its representatives against any damages arising out of the use of any TI components in Buyer’s safety-critical applications.

In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI’s goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed an agreement specifically governing such use.

Only those TI components that TI has specifically designated as military grade or “enhanced plastic” are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components that have ***not*** been so designated is solely at Buyer's risk, and Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2016, Texas Instruments Incorporated