

Filename: PMP9041_REVA_BOM.xls

Variant: 001

Generated: 7/12/2013 10:18:51 AM

PMP9041 Rev A Bill Of Materials

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1	1	15uF	CAP, AL, 15uF, 400V, +/-20%, 1.909859 ohm, TH	12.5x20	EEUED2G150	Panasonic
C2	1	0.1uF	CAP, CERM, 0.1uF, 250V, +/-10%, X7R, 1808	1808	VJ1808Y104KXPAT5Z	Vishay-Vitramon
C3	1	0.1uF	CAP, Film, 0.1uF, 630V, +/-10%, TH	B32922_10.5mm	B32922C3104K	EPCOS Inc
C4, C5	2	1uF	CAP, CERM, 50V, +/-10%, X7R, 0805	0805	STD	STD
C6, C7	2	470uF	CAP ALUM 470UF 35V 20% RADIAL	10x20	UHE1V471MPT	Nichicon
C8	1	1000pF	CAP, CERM, 1000pF, 300V, +/-20%, Y5U, Radial Disc 7.5mm, Is=7.5	Radial Disc 7.5mm, Is=7.5	VY2102M29Y5UG63V7	Vishay-Bccomponents
C9	1	4.7uF	CAP, CERM, 4.7uF, 50V, +/-10%, X5R, 1206	1206	GRM319R61H475KA12	MuRata
C10, C11, R7	3	DNP	Do Not Populate	0603	N/A	N/A
C12	1	47uF	CAP, AL, 47uF, 400V, +/-20%, 0.609529 ohm, TH	18x20	EEUED2G470S	Panasonic
D1	1	1.1V	Diode, Switching-Bridge, 600V, 1.5A, DF-S	DF-S	DF1506S-T	Diodes Inc.
D2	1	120V	Diode, TVS, Uni, 120V, 1500W, SMC	SMC	SMCJ120A-TP	Micro Commercial Components
D3	1	0.62V	DIODE SBR 200V 10A TO252	DDPAK	SBR10200CTL-13	Diodes Inc
D4, D5	2	1.25V	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123	BAV21W-7-F	Diodes Inc.
D6	1	1.05V	Diode, Ultrafast, 600V, 1A, SMA	SMA	MURA160T3G	ON Semiconductor
F1	1		Fuse, 2A, 250V, TH	TR5 fuse 8.5mm DIA	37212000001	Littelfuse
H2, H4	2		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply
J1	1		AC Receptacle, 10A 250VAC	20X50X28.7mm	703W-00/54	Qualtek Electronics Corporation
J2	1		CONN HEADER .312 VERT 2POS TIN	TH Header	1-1318301-2	AMP
L1	1	33uH	Inductor, Shielded Drum Core, Ferrite, 33uH, 0.97A, 0.165 ohm, SMD	CDRH6D28	CDRH6D28NP-330NC	Sumida
L2	1	600uH	Coupled inductor, 600uH, 1A, 0.2 ohm, TH	Coupled inductor, 17.5x17x11mm	UU9.8V-601LF	GCI Technologies
Q1	1	600V	MOSFET N-CH 600V 7A DPAK	DDPAK	FCD7N60TM_WS	Fairchild Semiconductor
Q2	1	0.25V	Transistor, PNP, 40V, 0.2A, SOT-23	SOT-23	MMBT3906	Fairchild Semiconductor
R1	1	51.1	RES, 1%, 1W, 2010	2010	STD	STD
R2	1	20k	RES, 1%, 0.1W, 0603	0603	STD	STD
R3	1	20	RES, 1%, 0.1W, 0603	0603	STD	STD
R4	1	110k	RES, 1%, 0.1W, 0603	0603	STD	STD
R5	1	1k	RES, 1%, 0.1W, 0603	0603	STD	STD
R6	1	31.6k	RES, 1%, 0.1W, 0603	0603	STD	STD
R8	1	0.27	RES, 1%, 0.33W, 1210	1210	STD	STD
T1	1	180uH	Transformer, 180uH, TH	Transformer, 31.5x14.5x31.5mm	G135049LF	GCI Technologies
TP3	1	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP4	1	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U1	1		Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, D0007A	D0007A	UCC28710D	Texas Instruments

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve 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 (also referred to herein as "components") 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 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.

TI does not warrant or represent that any license, either express or implied, is granted under 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.

Reproduction of significant portions of TI information in TI data books or data sheets 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.

Resale of TI components or services with statements different from or beyond the parameters stated by TI for that component or service voids all express and any implied warranties for the associated TI component or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

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 which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm 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 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 a special agreement specifically governing such use.

Only those TI components which 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 which have **not** been so designated is solely at the Buyer's risk, and that 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.

Products

Audio	www.ti.com/audio
Amplifiers	amplifier.ti.com
Data Converters	dataconverter.ti.com
DLP® Products	www.dlp.com
DSP	dsp.ti.com
Clocks and Timers	www.ti.com/clocks
Interface	interface.ti.com
Logic	logic.ti.com
Power Mgmt	power.ti.com
Microcontrollers	microcontroller.ti.com
RFID	www.ti-rfid.com
OMAP Applications Processors	www.ti.com/omap
Wireless Connectivity	www.ti.com/wirelessconnectivity

Applications

Automotive and Transportation	www.ti.com/automotive
Communications and Telecom	www.ti.com/communications
Computers and Peripherals	www.ti.com/computers
Consumer Electronics	www.ti.com/consumer-apps
Energy and Lighting	www.ti.com/energy
Industrial	www.ti.com/industrial
Medical	www.ti.com/medical
Security	www.ti.com/security
Space, Avionics and Defense	www.ti.com/space-avionics-defense
Video and Imaging	www.ti.com/video

TI E2E Community

e2e.ti.com