

Filename: PMP5567REVA_bom.xls							
Date: 08/11/2010							
PMP5567REVA BOM							
COUNT	RefDes	Value	DESCRIPTION	SIZE	PART NUMBER	MFR	AREA
1	C1	33nF	Capacitor, Ceramic, 0.033uF, 25V, X7R, 10%	0603	Std	Std	5650
1	C2	OPEN	Capacitor, open	0603		Std	5650
1	C3	1000pF	Capacitor, Ceramic, 1000pF, 50V, X7R, 10%	0603	Std	Std	5650
2	C4	1uF	Capacitor, Ceramic, 1uF, 25V, X7R, 15%	0805	C2012X7R1E105M	TDK	10560
	C5	1uF	Capacitor, Ceramic, 1uF, 25V, X7R, 15%	0805	C2012X7R1E105M	TDK	10560
6	C7	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 10%	1210	C3225X7R1C226MT	TDK	24200
	C8	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 10%	1210	C3225X7R1C226MT	TDK	24200
	C9	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 10%	1210	C3225X7R1C226MT	TDK	24200
	C10	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 10%	1210	C3225X7R1C226MT	TDK	24200
	C11	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 10%	1210	C3225X7R1C226MT	TDK	24200
	C101	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 10%	1210	C3225X7R1C226MT	TDK	24200
2	D1	MBRD835L	Diode, Schottky, 8.0A, 35V,	DPAK	MBRD835L	On Semi	110000
	D101	MBRD835L	Diode, Schottky, 8.0A, 35V,	DPAK	MBRD835L	On Semi	110000
1	D102	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semi	14105
3	J1		Terminal Block, 2-pin, 6-A, 3.5mm	75525	ED1514	OST	n/a
	J2		Terminal Block, 2-pin, 6-A, 3.5mm	75525	ED1514	OST	n/a
	J101		Terminal Block, 2-pin, 6-A, 3.5mm	75525	ED1514	OST	n/a
1	L1	6uH	Inductor, SMT, 7.1-Arms, 6.05-milliohm	0.508 x 0.516 inch	SER1360-602KLD	Coilcraft	692,080
1	Q1	CSD16321Q5	MOSFET, N-Chan, 25V, 31 A	QFN-8 POWER	CSD16321Q5	TI	86800
3	R1	100K	Resistor, Chip, 100K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R2	1.65K	Resistor, Chip, 1.65K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R3	9.31K	Resistor, Chip, 9.31K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R4	187K	Resistor, Chip, 187K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R5	1K	Resistor, Chip, 1K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R6	7.15K	Resistor, Chip, 7.15K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R7	49.9	Resistor, Chip, 49.9 Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R103	5.11K	Resistor, Chip, 5.11K Ohms, 1/16W, 1%	0603	Std	Std	5650
	R104	100K	Resistor, Chip, 100K Ohms, 1/16W, 1%	0603	Std	Std	5650
	R105	100K	Resistor, Chip, 100K Ohms, 1/16W, 1%	0603	Std	Std	5650
1	R106	10K	Resistor, Chip, 10K Ohms, 1/16W, 1%	0603	Std	Std	5650

6	TP1		Test Point, Black, 1mm	0.038",6400"	240-333	Farnell	10
	TP2		Test Point, Black, 1mm	0.038",6400"	240-333	Farnell	10
	TP3		Test Point, Black, 1mm	0.038",6400"	240-333	Farnell	10
	TP4		Test Point, Black, 1mm	0.038",6400"	240-333	Farnell	10
	TP5		Test Point, Black, 1mm	0.038",6400"	240-333	Farnell	10
	TP6		Test Point, Black, 1mm	0.038",6400"	240-333	Farnell	10
1	U1	TPS43000	IC, Multi-topology High Frequency, PWM Ctrl	TSSOP-16	TPS43000PW	TI	61785
1	U101	LM311P	IC, Differential Comparators With Strobes	SO-8	LM311P	TI	75900
Notes:	1. These assemblies are ESD sensitive, ESD precautions shall be observed.						
	2. These assemblies must be clean and free from flux and all contaminants.						
	Use of no clean flux is not acceptable.						
	3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.						
	4. Ref designators marked with an asterisk (***) cannot be substituted.						
	All other components can be substituted with equivalent MFG's components.						

IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, modifications, enhancements, improvements, and other changes to its products and services at any time and to discontinue any product or service without notice. Customers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All products are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its hardware products to the specifications applicable at the time of sale in accordance with TI's standard warranty. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by government requirements, testing of all parameters of each product is not necessarily performed.

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

TI does not warrant or represent that any license, either express or implied, is granted under any TI patent right, copyright, mask work right, or other TI intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information published by TI regarding third-party products or services does not constitute a license from TI 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 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. Reproduction of this information with alteration is an unfair and deceptive business practice. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

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

TI products are not authorized for use in safety-critical applications (such as life support) where a failure of the TI product would reasonably be expected to cause severe personal injury or death, unless officers of the parties have executed an agreement specifically governing such use. Buyers represent that they have all necessary expertise in the safety and regulatory ramifications of their applications, and acknowledge and agree that they are solely responsible for all legal, regulatory and safety-related requirements concerning their products and any use of TI products in such safety-critical applications, notwithstanding any applications-related information or support that may be provided by TI. Further, Buyers must fully indemnify TI and its representatives against any damages arising out of the use of TI products in such safety-critical applications.

TI products are neither designed nor intended for use in military/aerospace applications or environments unless the TI products are specifically designated by TI as military-grade or "enhanced plastic." Only products designated by TI as military-grade meet military specifications. Buyers acknowledge and agree that any such use of TI products which TI has not designated as military-grade is solely at the Buyer's risk, and that they are solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI products are neither designed nor intended for use in automotive applications or environments unless the specific TI products are designated by TI as compliant with ISO/TS 16949 requirements. Buyers acknowledge and agree that, if they use any non-designated products in automotive applications, TI will not be responsible for any failure to meet such requirements.

Following are URLs where you can obtain information on other Texas Instruments products and application solutions:

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
RF/IF and ZigBee® Solutions	www.ti.com/lprf

Applications

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
Transportation and Automotive	www.ti.com/automotive
Video and Imaging	www.ti.com/video
Wireless	www.ti.com/wireless-apps

TI E2E Community Home Page

e2e.ti.com

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2011, Texas Instruments Incorporated