Filename: PMP4992_REVC_bom.xls
Date: 08/05/2009

PMP4992_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
4	C10, C11, C12, C13	3.3uF	Capacitor, Ceramic, 50-V, X7R, 20%	1210	C3225X7R1H335M	TDK
2	C100, C101	220uF	Capacitor, Aluminum Electrolytic, 100V	0.571 inch	100V ZL 220uF 16 X 20	Rubycon
1	C103	68uF	Capacitor, Aluminum, 100V, 20%	0.315 inch	UPJ2A680MHD6	Nichicon
1	C104	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C15	470pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H471K	TDK
2	C16, C23	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
2	C17, C22	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C18	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C20	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H472K	TDK
1	C21	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
4	C4, C5, C6, C7	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C8	0.047uF	Capacitor, Ceramic, 100V, X7R	0603	Std	Std
3	C9, C19, C102	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	D100	33V	Diode, Zener, 33-V, 225-mW	SOT23	BZX84C33LT1	ON Semi
1	D101	12V	Diode, Zener, 33-V, 225-mW	SOT23	BZX84C12LT1	ON Semi
1	D2	MURA120	Diode, Rectifier, 1A, 200V	SMA	MURA120	ON Semi
1	D3	MBRB20100CT	Diode, Schottky Barrier Rectifier, 20A, 100V	D2PAK	MBRB20100CT	ON Semiconductor
1	D6	27V	Diode, Zener, 27V, 3W	SMB	1SMB5935BT3G	On Semi
2	J1, J2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	ED1514	OST
1	J3	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
1	L1	2.2uH	Inductor, SMT, 6A, 12milliohm	0.51x0.37 inch	DO3316P-222	Coilcraft
2	Q1, Q2	FDMS2672	MOSFET, NChannel, 200V, 20A, 77 millohm	PWRPAK S0-8	FDMS2672	Fairchild
3	Q100, Q101, Q103	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q102	MMBT3906	Bipolar, PNP, 40-V, 200-mA	SOT23	MMBT3906LT1	On Semi
2	R1, R2	10k	Resistor, Chip, 1-W, 5%	2512	Std	Std
1	R10	0.015	Resistor, Chip, 1-W, 1%	2512	Std	Std
1	R100	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R102	301k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R103	30.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R106	2MEG	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	61.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	40.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R13, R105	3.01k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	3.02k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	4.75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	0.055	Resistor, Chip, 1-W, 1%	2512	Std	Std
1	R3	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	402k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	15k	Resistor, 1/4 watt, 5%	1206	Std	Std
2	R7, R17	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	6.19k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R9, R15, R101, R104	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

Filename: PMP4992_REVC_bom.xls
Date: 08/05/2009

PMP4992_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	T1	50 uH	Transformer,	1.040 x 1.240 inch	DCT25EFD-UxxS04	TDK
4	TP1, TP3, TP4, TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2, TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boos Controller	DGQ10	TPS40210DGQ	TI
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U4	TL431BIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431BIDBZ	TI
1	U5	TLE2021ID	IC, OpAmp, Low Noise High-Speed	SO-8	TLE2021ID	TI

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		**Applications**	
Audio	www.ti.com/audio	Automotive and Transportation	www.ti.com/automotive
Amplifiers	amplifier.ti.com	Communications and Telecom	www.ti.com/communications
Data Converters	dataconverter.ti.com	Computers and Peripherals	www.ti.com/computers
DLP® Products	www.dlp.com	Consumer Electronics	www.ti.com/consumer-apps
DSP	dsp.ti.com	Energy and Lighting	www.ti.com/energy
Clocks and Timers	www.ti.com/clocks	Industrial	www.ti.com/industrial
Interface	interface.ti.com	Medical	www.ti.com/medical
Logic	logic.ti.com	Security	www.ti.com/security
Power Mgmt	power.ti.com	Space, Avionics and Defense	www.ti.com/space-avionics-defense
Microcontrollers	microcontroller.ti.com	Video and Imaging	www.ti.com/video
RFID	www.ti-rfid.com		
OMAP Mobile Processors	www.ti.com/omap		
Wireless Connectivity	www.ti.com/wirelessconnectivity		
	TI E2E Community Home Page		e2e.ti.com

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265