

PMP5191_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	0.068uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217 inch	ECQU2A683ML	Panasonic
1	C12	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C14	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C15	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C17	0.01uF	Capacitor, Ceramic, 250V, C0G, 10%	1206	Std	TDK
2	C19, C20	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
1	C2	22uF	Capacitor, Aluminum Electrolytic, 400V	12.5 x20 mm	EKXG401ELL220MK20S	United Chemicon
3	C4, C5, C9	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C6	330uF	Capacitor, Aluminum Electrolytic, 6.3V	0.248 inch	6.3V ZL 330uF 6.3 X 11	Rubycon
1	C7	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	D1	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D2	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D4	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D5	PDS340	Diode, Schottky, 3A, 40-V	Power DI	PDS340	Diodes
1	F1	1A	Fuse, TR5 Series, 1A, 250V	0.335	3701100041	Wickmann
1	L2	1uH	Inductor, 3A, 50milliohm	0.11x0.09 inch	ME3220-102-MLB	Coilcraft
1	L3	14 mH	Inductor, Common Mode Choke, 30%	4.50 x 10.00 mm	744841414	WE
1	Q2	IRFRC20	MOSFET, N-ch, 600V, 2A, 4.4 ohm	DPAK	IRFRC20PbF	Vishay
2	R1, R100	200k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R11, R14	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	1.30k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1.5	Resistor, Chip, 1/16W, 5%	0805	Std	Std
2	R2, R4	1MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R6	78.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	2.3mH	Transformer, Flyback	21.50 x 22.50 mm	750311844	Würth
4	TP1, TP2, TP3, TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP4, TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U3	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U5	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI
1	U6	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay

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	
Amplifiers	amplifier.ti.com	Audio	www.ti.com/audio
Data Converters	dataconverter.ti.com	Automotive	www.ti.com/automotive
DLP® Products	www.dlp.com	Communications and Telecom	www.ti.com/communications
DSP	dsp.ti.com	Computers and Peripherals	www.ti.com/computers
Clocks and Timers	www.ti.com/clocks	Consumer Electronics	www.ti.com/consumer-apps
Interface	interface.ti.com	Energy	www.ti.com/energy
Logic	logic.ti.com	Industrial	www.ti.com/industrial
Power Mgmt	power.ti.com	Medical	www.ti.com/medical
Microcontrollers	microcontroller.ti.com	Security	www.ti.com/security
RFID	www.ti-rfid.com	Space, Avionics & Defense	www.ti.com/space-avionics-defense
RF/IF and ZigBee® Solutions	www.ti.com/lprf	Video and Imaging	www.ti.com/video
		Wireless	www.ti.com/wireless-apps