

## PMP6013 Bill of Materials

Designator	Quantity	Description	Manufacturer	PartNumber
C1	1	CAP, CERM, 0.33uF, 250VDC, +/-5%, X7R, Radial	EPCOS Inc	B32521C3334J
C3, C5	2	CAP, CERM, 0.1uF, 250VDC, +/-10%, Radial	EPCOS Inc	B32529C3104K
C4	1	Cap, Film, 0.047uF, 630VDC, 20%, Radial	Vishay BC Components	BFC233920473
C6	1	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 0805	AVX	08055C104JAT2A
C7, C13	2	CAP, CERM, 2.2uF, 50V, +/-10%, X7R, 1206	MuRata	GRM31CR71H225KA88L
C8	1	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	MuRata	GRM188R71H104KA93D
C9	1	CAP AL, 470uF, 35V, +/-20%, Radial	Panasonic Electronic Components	EEU-FR1V471L
C12	1	CAP, Alum, 22uF, 50V, +/-20%, Radial	Panasonic Electronic Components	EEU-FR1H220
CN1, CN2	2	Conn Term Block, 2POS, 5.08mm PCB	Phoenix Contact	1715721
CY1	1	CAP, CERM, 2200pF, 250VAC, X1Y1, TH	Murata Electronics North America	DE1E3KX222MA4BL01
D1	1	Diode, Switching-Bridge, 600V, 0.8A, MiniDIP	Diodes Inc.	HD06-T
D2	1	Diode, Schottky, 100V, 1A, SMA	Diodes Inc.	B1100-13-F
D3	1	Diode, Ultrafast, 600V, 1A, SMA	Diodes Inc	US1J-13-F
D4	1	Diode, Switch, 200V, 400mA, SOT-23	Diodes Inc	BAV23A-7-F
D5	1	Diode, TVS, 250V, 400W, SMA	Littelfuse Inc	SMAJ250A
D6	1	Diode, Schottky, 30V, 0.2A, SOD-323	ON Semiconductor	BAT54HT1G
D7	1	Diode, Zener, 36V, 500mW, SOD-123	Vishay-Semiconductor	MMSZ4715-V
D8	1	Diode, Zener, 27V, 225mW, SOT-23	ON Semiconductor	BZX84C27LT1G
D9	1	Diode, Zener, 3.3V, 225mW, SOT-23	ON Semiconductor	BZX84C3V3ET1G
F1	1	Fuse, 500mA, 250V, Axial	Littelfuse Inc	0677.500MXEP
FID1, FID2	2	Fiducial mark. There is nothing to buy or mount.	N/A	N/A
H1, H2, H3, H4	4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH
H5, H6, H7, H8	4	Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C
H15	1	RTV167 Adhesive Sealant	Used in BOM report	RTV167
J1, J2, J3, J4	4	Jumper Wire, 300mil spacing, Orange, pkg of 200	3M	923345-03-C
L1	1	Inductor, 3300uH, 0.14A, 8.5 ohm, Radial	TDK Corporation	TSL0808RA-332KR14-PF
LED+, LED-	2	Terminal, Turret, TH, Double	Keystone	1502-2
Q1	1	MOSFET, N-CH, 800V, 2.5A, DPAK	STMicroelectronics	STD3NK80ZT4
Q2	1	Transistor, PNP, 40V, 0.2A, SOT-23	Diodes Inc.	MMBT3906-7-F
R1	1	RES, 330 ohm, 5%, 1W, 2512	Vishay Dale	CRCW2512330RJNEG
R2	1	RES, 47 ohm, 10%, 2W, Axial	TT Electronics/Welwyn	EMC2-47RKI
R3	1	RES, 1.10k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K10FKEA
R4	1	RES, 10.0k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080510K0FKEA
R6	1	RES, 20.0 ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080520R0FKEA
R8	1	RES, 1.43 ohm, 1%, 0.25W, 1206	Yageo	RC1206FR-071R43L
R10	1	RES, 6.34k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06036K34FKEA
R11	1	RES, 200k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206200KFKEA
R15	1	RES, 100k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206100KFKEA
R17	1	RES, 64.9k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060364K9FKEA
R19	1	RES, 20.0k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080520K0FKEA
R20	1	RES, 200 ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW0805200RFKEA
R21	1	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA
R22	1	RES, 2.00Meg ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12062M00FKEA
R24	1	RES, 39.2k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060339K2FKEA
T1	1	Transformer EE-16	WE	750341086
TP1, TP2	2	Test Point, SMT, Miniature	Keystone	5015
U1	1	120VAC Flyback LED Driver EVM (Dimmable)	Texas Instruments	TPS92310EVM-12DM
VR1	1	Varistor, 300VAC, 385VDC, 30J, 7mm, Radial	EPCOS Inc	S07K300E2

Designator	Quantity	Description	Manufacturer	PartNumber
------------	----------	-------------	--------------	------------

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

### Applications

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

### TI E2E Community

[e2e.ti.com](http://e2e.ti.com)