

PMP6011 Bill of Materials

Designator	Quantity	Description	Manufacturer	PartNumber
C1	1	CAP, Film, 0.47uF, 630V, +/-20%, TH	EPCOS Inc	B32923C3474M
C2, C3	2	CAP, Film, 0.1uF, 305VAC, 20%, Radial	EPCOS Inc	B32921C3104M
C4, C14, C21, C27	4	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	AVX	0603YC104JAT2A
C5	1	CAP, CERM, 0.01uF, 500V, X7R, 10%, 1206	AVX Corporation	12067C103KAT2A
C6, C7, C8	3	CAP, Alum, 330uF, 63V, +/-20%, Radial	Nichicon	UVR1J331MPD
C9	1	CAP, CERM, 4700pF, 500V, 20%, Radial	Vishay BC Components	VY1472M63Y5UQ63V0
C10	1	CAP, CERM, 2.2uF, 100V, X7R, 10%, 1210	TDK Corporation	C3225X7R2A225K230AB
C11	1	CAP, CERM, 2.2uF, 50V, X7R, 10%, 0805	TDK Corporation	C2012X7R1H225K125AC
C12, C15	2	CAP, Alum, 22uF, 50V, +/-20%, Radial	Nichicon	UVR1H220MDD
C13	1	CAP, CERM, 0.22uF, 16V, +/-10%, X7R, 0805	AVX	0805YC224KAT2A
C16	1	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0805	AVX	08055C222KAT2A
C18	1	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0805	Kemet	C0805C102K5RACTU
C19	1	CAP, CERM, 2.7uF, 16V, X7R, 10%, 1206	Kemet	C1206C275K4RACTU
C20	1	CAP, CERM, 0.47uF, 50V, +/-10%, X7R, 1206	TDK	C3216X7R1H474K
C22, C24, C25	3	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E105KA12D
C26	1	CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	AVX	12063C105KAT2A
D1, D2, D3, D4	4	Diode, 1000V, 2A, SMB	Micro Commercial Co	S2M-TP
D5, D6	2	Diode, Schottky, 1000V, 1A, POWERLITE123	Micro Commercial Co	SM4007PL-TP
D7	1	Diode, Schottky, Ultra Fast, 600V, 5A, DPAK	STMicroelectronics	STTH5L06B-TR
D8	1	Diode, Fast, 800V, 1A, SMA	Micro Commercial Co	US1K-TP
D9	1	Diode, Schottky, 20V, 0.5A, SOD-123	ON Semiconductor	MBR0520LT1G
D10	1	Diode, Schottky, 100V, 1.5A, SMA	International Rectifier	10MQ100NTRPBF
D11	1	Diode, Zener, 15V, 500mW, SOD-123	Diodes Inc.	MMSZ5245B-7-F
D12	1	Diode, Zener, 12V, 500mW, SOD-123	Diodes Inc.	MMSZ5242B-7-F
D13	1	Diode, Zener, 56V, 3W, SMA	Micro Commercial Co	3SMAJ5943B-TP
D14	1	Diode, P-N, 70V, 0.2A, SOT-323	Fairchild Semiconductor	BAV99WT1G
D15	1	Diode, Zener, 3.3V, 500mW, SOD-123	ON Semiconductor	MMSZ3V3T1G
F1	1	Fuse, Slow, 2A, 250VAC, Radial	Bel Fuse Inc	RST 2
FID1, FID2	2	Fiducial mark. There is nothing to buy or mount.	N/A	N/A
HTSK1	1	HEATSINK AND CLIP FOR TO-220 BLK	Ohmite	WA-T220-101E
J1	1	Conn Term Block, 2POS, 5.08mm, TH	Phoenix Contact	1715721
J3, J5, J6, J7	4	Terminal, Turret, TH, Double	Keystone	1502-2
L1	1	Inductor, Shielded Drum Core, Ferrite, 1mH, 0.68A, 1.33 ohm, SMD	Coilcraft	MSS1278T-105KLB
L3	1	CHOKE POWER LINE 10MH .6A	Würth Electronics Inc	7448640402
MOV1	1	Varistor, 320VAC, 420VDC, 150J, 20mm, Radial	Littelfuse Inc	V320LA40BP
Q1, Q2	2	Transistor, NPN, 40V, 0.2A, SOT-23	Diodes Inc.	MMBT3904-7-F
Q4	1	MOSFET, N-CH, 900V, 18.5A, TO-220FP	STMicroelectronics	STF21N90K5
R1	1	RES, 124k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206124KFKEA
R2	1	RES, 22k ohm, 5%, 1W, 2512	Vishay Dale	CRCW251222K0JNEG
R3, R6	2	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031M50FKEA
R4	1	RES, 20.0k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW120620K0FKEA
R5	1	RES, 47 ohm, 5%, 1W, 2512	Vishay Dale	CRCW251247R0JNEG
R7	1	RES, 3.09k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12063K09FKEA
R8	1	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA
R9	1	RES, 22 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW120622R0JNEA
R10, R13, R21, R23	4	RES, 10.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K0FKEA
R11	1	RES, 51.1 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060351R1FKEA
R12, R20, R34	3	RES, 33k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060333K0JNEA
R14	1	RES, 2.21k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12062K21FKEA

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R15, R27, R31, R37	4	RES, 15.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060315K0FKEA
R16, R22	2	RES, 10.0 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310R0FKEA
R17, R18, R19, R28	4	RES, 1.00 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061R00FNEA
R24, R30	2	RES, 1.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K00FKEA
R25	1	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA
R26	1	RES, 330 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603330RJNEA
R29	1	RES, 0.47 ohm, 1%, 0.25W, 1206	Rohm Semiconductor	MCR18EZHF470
R32	1	RES, 1.00 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061R00FKEA
R33	1	RES, 0.2 ohm, 1%, 0.5W, 1206	Stackpole Electronics Inc	CSR1206FKR200
R35	1	RES, 499 ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW0805499RFKEA
R36	1	RES, 22k ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW120622K0JNEA
R38	1	RES, 0 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12060000Z0EA
R39, R40	2	RES, 33k ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW120633K0JNEA
T1	1	XFMR 3MSSL60W 750312593	Würth_Midcom	750312593
U1, U2, U3	3	IC, Led Drvr, Multi-CH, 8PSOP	Texas Instruments	LM3466MR/NOPB
U4	1	Optoisolator, Phototrans, 1CH, 600%, 4SOP	Vishay Semiconductor Opto Division	TCMT1100
U5	1	LED Lighting Power Controller, -40 to +105 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	Texas Instruments	UCC28810DR
U6	1	IC, Op Amp GP, Dual, 900kHz, SO-8	Texas Instruments	TL103WIDR
C17	0	DNP	AVX	DNP
C23	0	DNP	AVX	

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