

PMP4350_BOM

Item	Qty	Reference	Value	Description	Part Number	MFR	Size
1	1	D12	1N5406	DIODE, General Purpose, 600V, 3.0A	1N5406	Fairchild	DO-201AD
2	6	C29 C35 C44 C52 C55 C25	0.1uF	CAP CER .1UF 50V 10% X7R 0805	STD	muRata	805
3	1	C38	0.22uF	CAP CER .22UF 16V 10% X7R 0805	STD	muRata	805
4	1	C49	0.47uF	CAP CER .47UF 25V 10% X7R 0805	STD	muRata	805
5	2	C15 C41	1000pF	CAP CER 1000PF 50V 5% C0G 0805	STD	muRata	805
6	2	C10 C27	100nF	CAP CER 100nF 50V 10% X7R 0805	STD	muRata	805
7	3	C34 C36 C46	100pF	CAP CER 100PF 50V 5% C0G 0805	STD	muRata	805
8	7	C13 C24 C32-33 C37 C45 C56	1uF	CAP CER 1UF 25V X7R 0805	STD	muRata	805
9	1	C42	2.2nF	CAP CER 2200PF 50V 5% C0G 0805	STD	muRata	805
10	3	C16 C22 C43	2.2uF	CAP CER 2.2UF 16V X7R 0805	STD	muRata	805
11	1	C14	220pF	CAP CER 220PF 50V 5% C0G 0805	STD	muRata	805
12	2	C18 C39	330pF	CAP CER 330PF 50V C0G 0805	STD	muRata	805
13	2	C9 C40	470pF	CAP CER 470PF 50V 5% C0G 0805	STD	muRata	805
14	1	C17	47nF	CAP CER 47000PF 50V 10% X7R 0805	STD	muRata	805
15	1	C11	47pF	CAP CER 47PF 100V 5% C0G 0805	STD	muRata	805
16	0	C28 C50	NA	NA		muRata	805
17	1	C23	470pf	CAP CER 470PF 630V 5% U2J 1206	GRM31A7U2J47 1JW31D	muRata	1206
18	1	C47	10uF	CAP CER 10UF 25V X7R 1210	STD	muRata	1210
19	1	C51	10uF	CAP ALUM 10UF 400V 20% RADIAL	EEU-EB2G100	Panasonic	
20	4	C4-7	2.2nF	CAP 2200PF 250VAC E X1Y2 RAD	DE2E3KY222MA 3BM02	muRata	
21	1	C53	120uF/450V	CAP 120UF 450V ELECT TS-ED	EET-HC2W121JA	Panasonic	
22	2	C30-31	8.2nF	CAP FILM .0082UF 1KV METALPOLYPR	B32671L0822J0 00	EPCOS	
23	1	C12	0.1 uF	.1UF/630VDC METAL POLY CAP	ECQE6104KF	Panasonic	
24	1	C8	0.82uF	.82UF/630VDC METAL POLY CAP	ECQ-E6824KF	Panasonic	

25	3	C1-3	0.1uF	CAP .1UF 275VAC INTER SUPP X2	ECQ-U2A104BC1	Panasonic	
26	1	C66	100uF/25V	CAP ALUM 100UF 25V 20% RADIAL	EEU-FR1E101	Panasonic	
27	2	C19-20	82uF/250V	CAP ALUM 82UF 250V 20% RADIAL	EEU-ED2E820S	Panasonic	
28	1	T2	1:01:01	Gate driver	CN6808-A	CoilCraft	
29	1	J7	TSW-111-08-T-S-RA	CONN HEADER 11POS .100" SNGL R/A	TSW-111-08-T-S-RA	Samtec Inc	
30	1	J1	B6B-EH-A	Header, Top Entry 6-pin, 98 mil spacing,	B6B-EH-A	EH	
31	2	D5 D29	S1M-E3/61T	DIODE GPP 1A 1000V SMA	S1M-E3/61T	Diodes	DO-41
32	4	D3 D16-17 D40	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	BAS16	NXP	SOT23
33	0	D2	NA	NA		NXP	SOT23
34	1	D1	KBU6J	Diode, IC BRIDGE RECT 6A 600V KBU	KBU6J	Vishay	
35	0	D18-D19	NA	NA		OnSemi	
36	1	D20	5.1V	DIODE ZENER 5.1V 500MW SOD-123	MMSZ5V1T1G	Onsemi	SOD-123
37	1	D10	5.6V	DIODE ZENER 5.6V 500MW SOD-123	MMSZ5V6T1G	Onsemi	SOD-123
38	4	D6-9	ES3F	Diode, Schottky, 3-A, 40-V	ES3F-E3/57T	Vishay-Liteon	SMC
39	3	D11 D15 D21	1A, 1000V	Standard Rectifier, 1A, 1000V	M7	ON/Diodes	SMA
40	2	D13-14	MURA120	DIODE ULTRA FAST 1A 200V SMA	MURA120T3G	STD	SMA
41	1	D4	STTH5L06D	DIODE UFAST 600V 5A TO-220AC	STTH5L06D	ST	TO-220
42	1	F1	3.15A/250V	FUSE FAST-ACT 3.15A 250V UL TR5	37313150410	Littelfuse /	
43	1	L1	100uH	CHOKE TOROID 100UH 2.0A VERT	7447021	Würth	
44	1	L5	47uH	CHOKE TOROID 47UH 2A VERTICAL	744841247	Würth	
45	1	L6	20mH	CHOKE TOROID 20MH 1.5A VERT	744823220	Würth	
46	1	T3	500uH	LLC Transformer PQ2625 500uH	ZZ0613.232	ZHIZHUO	
47	1	L4	150uH	Resonance Choke PQ2016 150uH	ZZ0612.232	ZHIZHUO	
48	3	E1 E3-4	ERZ-V14D471	MOV, SUR ABSORBER 14MM 470V 4500A ZNR	ERZ-V14D471	Panasonic	
49	1	L3	300uH	PFC choke 300uH PQ2625	ZZ0614.232	ZHIZHUO	
50	1	C21	2.2nF	CAP CER 2200PF 250V 20% RADIAL	DE1E3KX222MA5BA01	muRata	
51	1	R84	1	RES 1/8W 1% 0805 SMD	STD	Yageo	805
52	1	R54	NA	RES 1/8W 1% 0805 SMD	STD	Yageo	805
53	1	R16	1M	Resistor, Chip, 1/4W, 1%,1206	STD	Yageo	1206

54	1	R27	910K	Resistor, Chip, 1/4W, 1%,1206	STD	Yageo	1206
55	5	R5 R58 R37 R45 R9	10	RES 1/8W 1% 0805 SMD	STD	Yageo	805
56	13	R8 R12 R23-24 R28-29 R33-35 R63 R31 R47 R52	10K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
57	1	R53	150K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
58	1	R38	15K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
59	1	R69	2K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
60	8	R11 R25-26 R66-68 R71 R22	2.2	RES 1/8W 1% 0805 SMD	STD	Yageo	805
61	1	R60	2.2K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
62	3	R44 R55 R57	20K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
63	1	R59	23.2K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
64	4	R4 R39-40 R7	24K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
65	1	R3	30	RES 1/8W 1% 0805 SMD	STD	Yageo	805
66	1	R41	30K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
67	1	R36	34.8K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
68	3	R18 R20-21	390K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
69	1	R51	4.7Meg	RES 1/8W 1% 0805 SMD	STD	Yageo	805
70	1	R15	430K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
71	1	R6	470	RES 1/8W 1% 0805 SMD	STD	Yageo	805
72	2	R65 R62	47K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
73	1	R46	5.1K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
74	1	R32	5.6K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
75	1	R49	51K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
76	4	R10 R13-14 R19	560K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
77	1	R48	6.8K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
78	1	R70	75K	RES 1/8W 1% 0805 SMD	STD	Yageo	805
79	0	R42-43 R61 R74	NA	NA		Yageo	805
80	1	R85	0	Resistor, Chip, 1/4W, 1%	STD	Yageo	1206
81	1	R81	270K	Resistor, Chip, 1/4W, 1%	STD	Yageo	1206
82	2	R56 R78	750K	Resistor, Chip, 1/4W, 1%	STD	Yageo	1206
83	0	R50 R86	NA	NA		Yageo	1206
84	1	R2	0.22	RES WIREWOUND .22 OHM 3W	RWM0410R220J R15E1	Vishay	

85	1	R17	1	RES WIREWOUND 1.0 OHM 3W	RWM04101R00J R15E1	Vishay	
86	1	R1	3R	CURRENT LIMITER INRSH 3 OHM 5.4A	B57236S0309L0 02	EPCOS	
87	1	X1	A81-A600X	SURGE ARRESTER 600V GASTUBE 2PIN	A81-A600X	EPCOS	
88	1	T5		EE16		mid-com	
89	1	U1	LM2904	IC, Dual OpAmp With Internal Reference	LM2904	TI	SO8
90	1	Q10	MMBT3904LT1	TRANSISTOR HI-VOLT NPN SOT-23	MMBT3904LT1	NXP	SOT23
91	2	Q5 Q11	MMBT3906LT1	TRANSISTOR SWITCHING PNP SOT-23	MMBT3906LT1	NXP	SOT23
92	0	Q2-4	NA	NA			SOT23
93	1	Q6	STP12NK30Z	MOSFET N-CH 300V 9A TO-220	STP12NK30Z	ST	TO-220
94	1	Q9	STD2Hnk60Z	MOSFET N-CH 600V 3.2A TO252-3	STD2Hnk60Z	ST	DPAK
95	3	Q1 Q7-8	AOT20S60L	MOSFET N-CH 600V 20.2A TO220	AOT20S60L	Alpha &	TO-220V
96	1	U3	UCC28700	Flyback Controller With Primary-Side Regulation		TI	SOT23-6
97	1	U4	UCC25710DW	IC, LLC Half Bridge LED Multi-String Controller		TI	SO-20
98	1	U5	UCC27324D	IC, Dual 4A Peak High Speed Low-Side MOSFET Driver		TI	SO8
99	1	U2	UCC28810D	IC, LED LIGHTING POWER CONTROLLER		TI	SO8

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	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
OMAP Applications Processors	www.ti.com/omap
Wireless Connectivity	www.ti.com/wirelessconnectivity

Applications

Automotive and Transportation	www.ti.com/automotive
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
Video and Imaging	www.ti.com/video

TI E2E Community

e2e.ti.com