

Variant: 001  
 Generated: 1/24/2024 6:00 PM  
 TID #: N/A



PMP23476 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCBB1	1		PMP23476	Any	Printed Circuit Board	
2	C1	1	0.1uF	GRM43DR72J104KW01L	MuRata	CAP, CERM, 0.1uF, 630V, +/-10%, X7R, 1812	1812
3	C2	1	47uF	GRM32EC81C476ME15L	MuRata	CAP, CERM, 47 uF, 16 V, +/- 20%, X6S, 1210	1210
4	C3	1	0.1uF	GRM155R71H104ME14D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, 0402	402
5	C4	1	1uF	GMK107BJ105KA-T	Taiyo Yuden	CAP, CERM, 1 uF, 35 V, +/- 10%, X5R, 0603	603
6	C5	1	1uF	CL21B105KBFNNE	Samsung Electro-Mechanics	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	805
7	C6, C8, C14	3	47uF	GRM32ER61C476KE15L	MuRata	CAP, CERM, 47 uF, 16 V, +/- 10%, X5R, 1210	1210
8	C7	1	2.2uF	12063D225KAT2A	AVX	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, 1206	1206
9	C9	1	220pF	06031C221KAT2A	AVX	CAP, CERM, 220pF, 100V, +/-10%, X7R, 0603	603
10	C10	1	4.7uF	0805ZD475KAT2A	AVX	CAP, CERM, 4.7uF, 10V, +/-10%, X5R, 0805	805
11	C11	1	0.022uF	GRM155R61C223KA01D	MuRata	CAP, CERM, 0.022 uF, 16 V, +/- 10%, X5R, 0402	402
12	C12	1	820pF	C0402C821J5GAC7867	Kemet	CAP, CERM, 92- pF, 50 V, +/- 5%, COG/NP0, 0402 *manually edited part*	402
13	C13	1	0.1uF	8.85012E+11	Wurth Elektronik	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	402
14	C15	1	390pF	GRM1555C1E391JA01D	MuRata	CAP, CERM, 390 pF, 25 V, +/- 5%, COG/NP0, 0402	402
15	D1, D3, D6, D7, D8	5	150V	SK215ATR	SMC Diode Solutions	Diode, Schottky, 150 V, 2 A, SMA	SMA
16	D2	1	130V	SMAJ130A	Littelfuse	DIODE TVS 130V 400W UNI 5% SMD	SMA
17	D4	1	1.7V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000V, 1A, SMA	SMA
18	D5	1		BAS20HT1G		DIODE SWITCH 200V 200MA SOD323	SOD-323
19	D9	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100V, 0.2A, SOD-323	SOD-323
20	J1	1		877600616	Molex	Connector Header Through Hole, Right Angle 6 position 0.079" (2.00mm)	HDR6
21	J2	1		877600416	Molex	Connector Header Through Hole, Right Angle 4 position 0.079" (2.00mm)	HDR4
22	J3	1		292133-2	TE Connectivity	Connector Header Through Hole 2 position 0.079" (2.00mm)	HDR2
23	Q1	1		IPD80R1K2P7ATMA1	Infineon Technologies	MOSFET N-Channel 800 V 4.5A (Tc) 37W (Tc) Surface Mount PG-TO252-3	DPAK
24	R1	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
25	R2	1	7.50k	CRCW04027K50FKED	Vishay-Dale	RES, 7.50 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
26	R3, R4	2	200k	CRCW1206200KJNEA	Vishay-Dale	RES, 200 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
27	R5	1	2.0k	CRCW12062K00JNEA	Vishay-Dale	RES, 2.0 k, 5%, 0.25 W, 1206	1206
28	R6	1	27.4k	RC0603FR-0727K4L	Yageo	RES, 27.4 k, 1%, 0.1 W, 0603	603
29	R7	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	603
30	R8	1	1.0Meg	CRCW04021M00JNED	Vishay-Dale	RES, 1.0 M, 5%, 0.063 W, 0402	402
31	R9	1	9.53k	CRCW04029K53FKED	Vishay-Dale	RES, 9.53 k, 1%, 0.063 W, 0402	402
32	R10	1	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	402
33	R11	1	499	CRCW0402499RFKED	Vishay-Dale	RES, 499, 1%, 0.063 W, 0402	402
34	R12	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	402
35	R13	1	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, 0402	402
36	R14	1	3.9	RC0603FR-073R9L	Yageo	RES, 3.9, 1%, 0.1 W, 0603 *manually edited*	603
37	R15	1	7.5k	CRCW04027K50JNED	Vishay-Dale	RES, 7.5 k, 5%, 0.063 W, 0402	402
38	T1	1		RLTI-1442	Renco Electronics	Flyback for PMP23126	PTH_XFRMR_0_IN51_0IN56
39	U1	1		UCC3813D-4	Texas Instruments	IC REG CTRLR PWM CM 8SOIC	D0008A

## IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
Copyright © 2024, Texas Instruments Incorporated