

Variant: 001
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PMP23126.2 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C15	2	47pF	C0603C470J5GACTU	Kemet	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
2	C2, C3, C16, C17	4	1uF	C0603C105K3RACTU	Kemet	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	603
3	C4, C5, C6, C7, C8, C18, C19, C20, C21, C22	10	1uF	GRM31MR71H105KA88L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 1206	1206
4	C9, C12, C23, C26	4	47pF	GRM1555C1H470FA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0402	402
5	C10, C13, C24, C27	4	0.1uF	C0603C104K3RACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	603
6	C11, C14, C25, C28	4	1uF	CGA3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
7	D2, D4	2	60V	SS16T3G	ON Semiconductor	Diode, Schottky, 60 V, 1 A, SMA	SMA
8	J1	1		M50-3900642	Harwin	Connector Header Through Hole, Right Angle 12 position 0.050" (1.27mm)	HDR12
9	Q1, Q10	2	30V	BSC016N06NSATMA1	Infineon	MOSFET, N-CH, 60 V, 261A, 5x6	PG-TDSON-8
10	Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18	16	30V	BSC014N06NSSC	Infineon	MOSFET, N-CH, 60 V, 261A, 5x6	PG-TDSON-8
11	R1, R23	2	2.2	ERJ-3RQF2R2V	Panasonic	RES, 2.20, 1%, 0.1 W, 0603	603
12	R2, R24	2	5.11	RC0603FR-075R11L	Yageo	RES, 5.11, 1%, 0.1 W, 0603	603
13	R3, R25	2	10.0k	RC0402FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.063 W, 0402	402
14	R4, R26	2	200k	RC1206FR-07200KL	Yageo America	RES, 200 k, 1%, 0.25 W, 1206	1206
15	R5, R16, R30, R36	4	2.2	RCS04022R20FKED	Vishay-Dale	RES, 2.20, 1%, 0.2 W, 0402	402
16	R6, R7, R8, R9, R14, R15, R17, R18, R27, R28, R29, R31, R37, R38, R39, R40	16	0	RC0402JR-070RL	Yageo America	RES, 0, 5%, 0.063 W, 0402	402
17	R10, R11, R12, R13, R19, R20, R21, R22, R32, R33, R34, R35, R41, R42, R43, R44	16	10.0k	RT0402BRD0710KL	Yageo America	RES, 10.0 k, .1%, .0625 W, 0402	402
18	U1, U4	2		UCC5350SBDR	Texas Instruments	3-kVRMS Single-Channel Isolated Gate Drivers, D0008B (SOIC-8)	D0008B
19	U2, U3, U5, U6	4		UCC27614DSG	Texas Instruments	Single Channel 30V 10A High Speed Low Side Gate Driver	WS0N8
20	D1, D3	0	36V	3SMAJ5938B-TP	Micro Commercial Componen	Diode, Zener, 36 V, 3 W, SMA	SMA
21	J2, J3	0		575-4	Keystone	Standard Banana Jack, Uninsulated, 5.5mm	Keystone_575-4
22	T1	0		PAT6561NL	Pulse	XFMR, PSFB, 3KW, EW39, TH	PTH_TRANSFORMER_40MM5_32MM5