

PMP23296 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	2.2nF	DE2E3KY222MN2AM01F	Murata	Cap Ceramic Single Suppression X1/Y2 0.0022uF 250VAC E 20% (8 X 5mm) Radial Disc 5mm 125C Ammo	RADIAL
C2	1	100pF	GRM31A5C2J101JW01D	MuRata	CAP, CERM, 100 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C3	1	22uF	UCA2D220MPD1TD	Nichicon	CAP, AL, 22 uF, 200 V, +/- 20%, TH	D10xL20mm
C4, C5, C6	3	0.1uF	C1206C104K2RACTU	Kemet	CAP, CERM, 0.1 uF, 200 V, +/- 10%, X7R, 1206	1206
C7	1	22uF	UPW2D220MPD1TD	Nichicon	CAP, AL, 22 uF, 200 V, +/- 20%, TH	D10xL22mm
C8, C11	2	10pF	C0402C100C8GACTU	Kemet	CAP, CERM, 10 pF, 10 V, +/- 2.5%, C0G/NP0, 0402	0402
C9	1	100nF	06035C104J4Z2A	KYOCERA AVX	0.1 µF ±5% 50V Ceramic Capacitor X7R 0603 (1608 Metric)	0603
C10	1	2.2uF	C3216X5R1H225K160AB	TDK	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X5R, 1206	1206
D1	1		MURS260-E3/5BT	Vishay	Diode Standard 600 V 2A Surface Mount DO-214AA (SMB)	SMB
D2	1	120V	SMAJ120A	Littelfuse	Diode, TVS, Uni, 120 V, 193 Vc, 400 W, 2.1 A, SMA	SMA
D3	1	1000V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000 V, 1 A, SMA	SMA
D4	1	100V	NRVTSA4100ET3G	ON Semiconductor	Diode, Schottky, 100 V, 4 A, AEC-Q101, SMA	SMA
J1, J2, J3, J4	4		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
Q1	1	300V	BSC13DN30NSFD	Infineon Technologies	MOSFET, N-CH, 300 V, 16 A, PG-TDSON-8	PG-TDSON-8
R1, R2, R6	3	470k	RC1206FR-07470KL	Yageo America	RES, 470 k, 1%, 0.25 W, 1206	1206
R3	1	0	ERJ-8GEY0R00V	Panasonic	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R4	1	100k	RC1206FR-07100KL	Yageo America	RES, 100 k, 1%, 0.25 W, 1206	1206
R7	1	15	CRCW120615R0JNEA	Vishay-Dale	RES, 15, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R8	1	4.7	RC1206FR-074R7L	Yageo America	RES, 4.70, 1%, 0.25 W, 1206	1206
R9	1	87.6k	RT0603BRD0787K6L	Yageo America	RES, 87.6 k, 0.1%, 0.1 W, 0603	0603
R10	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R11	1	1.24k	CRCW06031K24FKEA	Vishay-Dale	RES, 1.24 k, 1%, 0.1 W, 0603	0603
R12, R13	2	0.47	ERJ-8RQFR47V	Panasonic	RES, 0.47, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R14	1	28.7k	CRCW060328K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.1 W, 0603	0603
R15, R17	2	10.0k	M55342K12B10E0T	TT Electronics/IRC	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R16	1	100k	RC0402FR-07100KL	Yageo America	RES, 100 k, 1%, 0.0625 W, 0402	0402
T1	1		750320243	Würth Electronics	TRANSFORMER	PTH14_32MM25_27 MM05
TP1	1		5010	Keystone Electronics	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1		5011	Keystone Electronics	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP3	1		5013	Keystone Electronics	Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint
U1	1		UCC28704DBVR-1	Texas Instruments	Off-Line Constant-Voltage Constant-Current Flyback Controller With Primary-Side Regulation (PSR), DBV0006A (SOT-23-6)	DBV0006A
U2	1		VO618A-3	Vishay-Semiconductor	Optocoupler, 5.3 kV, 100-200% CTR, SMT	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
R5	0	100k	RC1206FR-07100KL	Yageo America	RES, 100 k, 1%, 0.25 W, 1206	1206

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