

Variant: None
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PMP6025 REV E2 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PMP6025	Any	Printed Circuit Board	
2	C1	1	0.1µF	R82IC3100DQ60J	Kemet	CAP, Film, 0.1uF, 250VDC, Radial	Radial
3	C2	1	0.033µF	B32529C3333K	EPCOS Inc	CAP, Film, 0.033uF, 250VDC, Radial	Radial
4	C3	1	22µF	UVZ2A220MED	Nichicon	CAP, Alum, 22uF, 100V, +/-20%, Radial	Radial, Can
5	C5	1	47µF	UVZ1H470MED	Nichicon	CAP, Alum, 47uF, 50V, +/-20%, Radial	Radial, Can
6	C7	1	0.01uF	C1608C0G1E103J	TDK	CAP, CERM, 0.01uF, 25V, +/-5%, COG/NP0, 0603	0603
7	D1, D13	2	1.25V @ 200mA	BAS20LT1G	ON Semiconductor	Diode, Switch, 200V, 0.2A, SOT-23	TO-236-3, SC-59, SOT-23-3
8	D2, D14, D19, D21	4	1000V	CGRM4007-G	Comchip Technology	Diode, P-N, 1000V, 1A, 3.9x1.7x1.8mm	3.9x1.7x1.8mm
9	D3, D4, D5, D6, D7, D8, D10, D11, D15, D16, D17, D18	12	Warm White	SAW8KG0B-X8Y1-HA	Seoul Semiconductor	LED SMD WARM WHITE 2700K	3x.75x5.2mm
10	D9, D12	2	900mV @ 10mA	MMSZ5268BT1G	ON Semiconductor	Diode, Zener, 82V, 500mW, SOD-123	SOD-123
11	D20	1	12V	MMBZ5242BLT1G	ON Semiconductor	Diode, Zener, 12V, 225mW, SOT-23	SOT-23
12	H1, H2	2				Machine Screw, Round, #2-56	Screw
13	IS1, IS2, VP1, VP2, VS1, VS2	6	SMT	5016	Keystone	Test Point, Compact, SMT	Testpoint_Keystone_Compact
14	J1	1	1x6holes		Harwin Inc	1x6 Hole Pattern	1x6 Header
15	J2	1		M22-2530605	Harwin Inc	SIL VERTICAL PC TAIL PIN HEADER	1x6 Header
16	Q1	1		AOD1N60	Alpha & Omega Semiconductor Inc	MOSFET, N-CH, 600V, 1.3A, DPAK	TO-252-3, DPak (2 Leads + Tab), SC-63
17	Q2	1	0.3V	MMST3904-7-F	Diodes Inc.	Transistor, NPN, 20V, 0.2A, SOT-323	SOT-323
18	R1	1	820	CRCW1210820RJNEA	Vishay Dale	RES, 820 ohm, 5%, 0.5W, 1210	1210 (3225 Metric)
19	R2	1	1.50Meg	CRCW08051M50FKEA	Vishay-Dale	RES, 1.50Meg ohm, 1%, 0.125W, 0805	0805
20	R3, R7	2	806k	CRCW1206806KFKEA	Vishay-Dale	RES, 806k ohm, 1%, 0.25W, 1206	1206
21	R4, R6	2	1.00	RMCF0805FT1R00	Stackpole Electronics Inc	RES, 1.00 ohm, 1%, 0.125W, 0805	0805
22	R5	1	1.40Meg	CRCW06031M40FKEA	Vishay-Dale	RES, 1.40Meg ohm, 1%, 0.1W, 0603	0603
23	R8	1	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499k ohm, 1%, 0.25W, 1206	1206
24	R9	1	200k	CRCW0805200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.125 W, 0805	0805
25	R11, R12	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
26	R13	1	66.5	CRCW080566R5FKEA	Vishay-Dale	RES, 66.5, 1%, 0.125 W, 0805	0805
27	RF1	1	47	EMC2-47RK1	TT Electronics/IRC	RES, 47, 10%, 2 W, Fusible, TH	Axial resistor
28	RV1	1	220V	ERZ-V05D221	Panasonic	Varistor, 220V, 600A, TH	Disc 10x7mm
29	U1, U2	2		TPS92411PDBV	Texas Instruments	Switch Controlled Direct Drive Switch for Offline LED Drivers, DBV0005A	DBV0005A