

Variant: 001  
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PMP22504 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		PMP22504	Any	Printed Circuit Board	
2	C2	1	330uF	EEE-FT1H331AP	Panasonic	CAP, AL, 330 µF, 50 V, +/- 20%, 0.12 ohm, AEC-Q200 Grade 2, SMD	SMT Radial G
3	C3, C4	2	2.2uF	GRM188Z71C225KE43	MuRata	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X7R, 0603	0603
4	D1, D2	2	12V	MMSZ5242BS-7-F	Diodes Inc.	Diode, Zener, 12 V, 200 mW, SOD-323	SOD-323
5	J1	1		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
6	Q1, Q2	2	60V	CSD88539ND	Texas Instruments	MOSFET, 2-CH, N-CH, 60 V, 6.3 A, D0008A (SOIC-8)	D0008A
7	R1, R2	2	12.0k	RC0603FR-0712KL	Yageo	RES, 12.0 k, 1%, 0.1 W, 0603	0603
8	TP1	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
9	TP2, TP4, TP5, TP6	4		5129	Keystone	Test Point, Multipurpose, Purple, TH	Purple Multipurpose Testpoint
10	TP3	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
11	U1, U2	2		LM74610QDGKRQ1	Texas Instruments	Zero Iq Reverse Polarity Protection Smart Diode Controller, DGK0008A (VSSOP-8)	DGK0008A
12	C1	0	220uF	EEE-FK1H221GP	Panasonic	CAP, AL, 220 uF, 50 V, +/- 20%, 0.18 ohm, AEC-Q200 Grade 2, SMD	SMT Radial G