

Variant: 001  
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PMP41155\_ORING REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	100nF	8.85012E+11	Würth Electronics	0.1 $\mu$ F $\pm$ 10% 100V Ceramic Capacitor X7R 0603 (1608 Metric)	0603
2	C2	1	1 $\mu$ F	KAF21KR72A105KU	AVX	CAP, CERM, 1 $\mu$ F, 100 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
3	C3	1	0.1 $\mu$ F	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 10%, X7R, 0603	0603
4	D1	1	15V	MMSZ5245BS-7-F	Diodes Inc.	Diode, Zener, 15 V, 200 mW, SOD-323	SOD-323
5	D2	1	100V	BAS316,115	Nexperia	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
6	D3	1	80V	B180B-13-F	Diodes Inc.	Diode, Schottky, 80 V, 1 A, SMB	SMB
7	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20	20		IQD016N08NM5CGATMA1	Infineon	N-Channel 80 V 31A (Ta), 323A (Tc) 3W (Ta), 333W (Tc) Surface Mount PG-TTFN-9-U02	TTFN-9
8	R1	1	100	RMCF0402FT100R	Stackpole Electronics	100 $\Omega$ $\pm$ 1% 0.063W 0402 Thick Film Chip Resistor AEC-Q200 compliant	0402
9	R1a, R1b, R1c, R2	4	1.00k	MCR01MZPF1001	Rohm	RES, 1.00 k, 1%, 0.063 W, 0402	0402
10	U1	1		LM5050MK-1/NOPB	Texas Instruments	High Side OR-ing FET Controller, DDC0006A (SOT-23-T-6)	DDC0006A