

PMP22992 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 μ F, 25 V,+/- 10%, X7R, 0603	603
C2, C4, C6, C9	4	10u	GCM31CC71E106KA03L	MuRata	CAP, CERM, 10 μ F, 25 V,+/- 10%, X7S, 1206	1206
C3, C5, C7, C8	4	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 μ F, 50 V,+/- 10%, X7R, 0603	603
D1, D2	2	30V	SBAT54CLT1G	ON Semi	200 mA, 30 V, Dual Schottky Diode, Common Cathode, AEC-Q101	SOT23-3
J1, J2, J3, J4	4		TSW-102-07-G-S	Samtec	PCB Header Strips, 0.100	THT, 100mil pitch
L1	1	4.7uH	78438356047	Würth Elektronik	Inductor WE-MAIA SMD 4020 4.7uH 2.9A 76mOhms	SMD 4x4x2mm
R1	1	68k	CRCW060368K0FKEA	Vishay-Dale	RES, 68.0k ohm, 1%, 0.1W, 0603	603
R2	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1k ohm, 1%, 0.1W, 0603	603
U1	1		LMR50410YQDBVRQ1	Texas Instruments	Automotive qualified SIMPLE SWITCHER 4-V to 36-V, 1-A synchronous step-down converter	SOT23-6
U2	1		SN6505AQDBVRQ1	Texas Instruments	Automotive, low-noise, 1-A, 160-kHz transformer driver with soft start for isolated power supplies	SOT23-6
XFMR1, XFMR2	2		750316853	Würth Elektronik	Low Profile Push-Pull Transformers for Isolated Power Supplies	SMD 14.8x8.3x4.2mm

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