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Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
!PCB1	1		Printed Circuit Board		PMP9667	Any
C1	1	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402	GRM155R71C104KA88D	MuRata
C2, C3, C4	3	100uF	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	1206	GRM31CR60J107ME39L	MuRata
C6, C7	2	10uF	CAP, CERM, 10uF, 25V, +/-10%, X5R, 0805	0805	C2012X5R1E106K125AB	TDK
C8, C9	2	4.7uF	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C475KAAJ	MuRata
C10	1	2200pF	CAP, CERM, 2200pF, 25V, +/-10%, X7R, 0402	0402	GRM155R71E222KA01D	MuRata
J1	1		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	On-Shore Technology
J2	1		TERMINAL BLOCK 5.08MM VERT 2POS, TH	TERM_BLK, 2pos, 5.08mm	ED120/2DS	On-Shore Technology
L1	1	600nH	Inductor, Shielded, Powdered Iron, 600nH, 10A, 0.0065 ohm, SMD	Inductor, 6.7x3x6.7mm	FDV0630-R60M	Toko
R1	1	49.9	RES, 49.9 ohm, 1%, 0.063W, 0402	0402	CRCW040249R9FKED	Vishay-Dale
R2, R6, R10	3	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402	CRCW0402100KFKED	Vishay-Dale
R3	1	26.7k	RES, 26.7k ohm, 1%, 0.063W, 0402	0402	CRCW040226K7FKED	Vishay-Dale
R4	1	17.8k	RES, 17.8k ohm, 1%, 0.063W, 0402	0402	CRCW040217K8FKED	Vishay-Dale
R5, R7	2	200k	RES, 200k ohm, 1%, 0.063W, 0402	0402	CRCW0402200KFKED	Vishay-Dale
R8, R12	2	0	RES, 0 ohm, 5%, 0.063W, 0402	0402	CRCW04020000Z0ED	Vishay-Dale
R9	1	120k	RES, 120k ohm, 5%, 0.063W, 0402	0402	CRCW0402120KJNED	Vishay-Dale
TP1, TP3	2	Red	Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone
TP2, TP4	2	Black	Test Point, Miniature, Black, TH	Black Miniature Testpoint	5001	Keystone
U1	1		High Performance, 8-A Single Synchronous Step-Down Converter, RVE0028A	RVE0028A	TPS53513RVE	Texas Instruments
C5	0	470pF	CAP, CERM, 470pF, 25V, +/-5%, C0G/NP0, 0402	0402	GRM1555C1E471JA01D	MuRata
R11	0	3.01	RES, 3.01 ohm, 1%, 0.063W, 0402	0402	CRCW04023R01FKED	Vishay-Dale

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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