Filename:	PMP9778	8-BOM.xls			
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Low Radiated EMI Boost Converter with TPS61088

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB	1		Printed Circuit Board		PMP9778	Any	-	-
C1, C2, C4,	4	22uF	CAP, CERM, 22 µF, 16 V, +/- 10%, X5R, 1206	1206	GRM31CR61C226KE15	MuRata		
C5					L			
C3	1	1uF	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603	GRM188R71E105KA12	MuRata		
					D			
C6	1	0.01uF	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0603	0603	GRM188R71E103KA01	MuRata		
					D			
C7	1	10uF	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 0805	0805	GRM219R61E106KA12	MuRata		
C8	1	4700pF	CAP, CERM, 4700 pF, 50 V, +/- 10%, X5R, 0402	0402	GRM155R61H472KA01	MuRata		
					D			
C9, C16	2	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X5R, 0402	0402	GRM155R61C104KA88	MuRata		
C14	1	4./uF	CAP, CERM, 4.7 μF, 25 V, +/- 10%, X5R, 0603	0603	GRM188R61E475KE11	MuRata		
045		0.047 5		0.400	D			
C15	1	0.047uF	CAP, CERM, 0.047 μF, 16 V, +/- 10%, X/R, 0402	0402	GRM155R71C473KA01	MuRata		
1.04	4	00 sha		0005		Mu Dete		
LUI	1		Ferrite Bead, 30 onm @ 100 MHz, 6 A, 0805	0805	BLM21PG3005N1	MuRata		
L1	1	1.8UH	Inductor, Shielded Drum Core, Metal Composite, 1.2 µH,	9.5x8.7mm	CDMC8D28NP-1R2MC	Sumida		
D4	4	7001	12.9 A, 0.007 Onm, SMD	0.400		Mahavi Dala		
R1	1	768K	RES, 768 K, 1%, 0.063 W, 0402	0402	CRCW0402768KFKED	Vishay-Dale		
R2, R3, R4	3	120K	RES, 120 K, 1%, 0.063 W, 0402	0402	CRCW0402120KFKED	Vishay-Dale		
R5, R8	2	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402	CRCW0402100KFKED	Vishay-Dale		
R6	1	17.4K	RES, 17.4k ohm, 1%, 0.063W, 0402	0402	CRCW040217K4FKED	Vishay-Dale		
R7	1	330k	RES, 330 k, 5%, 0.063 W, 0402	0402	CRCW0402330KJNED	Vishay-Dale		
R20	1	0	RES, 0, 5%, 0.063 W, 0402	0402	RC0402JR-070RL	Yageo America		
U1	1		13.2-V Output, Synchronous Boost Converter with 10-A Switch, RHL0020A	RHL0020A	TPS61088RHLR	Texas Instruments	TPS61088RHLT	Texas Instruments
C12	0	2200pF	CAP, CERM, 2200 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603	GRM1885C1H222JA01D	MuRata		
010	0	47 5		0.400	00046550414705404			
C13	0	47p⊢	CAP, CERM, 47 pF, 50 V, +/- 1%, COG, 0402	0402	GRM1555C1H470FA01	Mukata		
					D			
R11	0	1.00	RES, 1.00, 1%, 0.125 W, 0805	0805	CRCW08051R00FKEA	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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