

Filename: PMP2719REVA - INVERTING BUCK-BOOST -15V_bom.xls

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PMP2719REVA - INVERTING BUCK-BOOST -15V BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R	1210	GRM32ER71H475KA88	muRata
1	C2	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C3	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C4	10nF	Capacitor, Ceramic, 4700-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C5	100nF	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C6	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C7	180pF	Capacitor, Ceramic, 33-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C9	1.2nF	Capacitor, Ceramic, 50-V, X7R, 15%	0603	Std	TDK
	C10	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R	1210	GRM32ER71H475KA88	muRata
2	C11	22uF	Capacitor, Ceramic, 22-uF, 25-V, X5R	1210	GRM32ER61E226KE15	Murata
	C12	22uF	Capacitor, Ceramic, 22-uF, 25-V, X5R	1210	GRM32ER61E226KE15	Murata
1	D1	MBRS360T3	Diode, Schottky,60V, 3A	SMC	MBRS340T3	OnSemi
2	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	150uH	Inductor, Power, 1.2A rms, 215milliohm	0.484 x 0.484 inch	MSS1260-154KLD	Coilcraft
1	Q1	Si7415DN	MOSFET, Fast Switching, PChan, -60V, 5.7A, 65 milliohm	PWRPAK 1212	Si7415DN	Vishay
1	R1	0.033	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
1	R2	68.1k	Resistor, Chip, 127K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	10	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	18.7k	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	2.80K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R7	4.87k	Resistor, Chip, 26.7K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	100k	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
7	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP2		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP4		Test Point, Red, 1mm	0.038	240-345	Farnell
3	TP5		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP6		Test Point, Black, 1mm	0.038	240-333	Farnell

	TP7		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP8		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP9		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP10		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP11		Test Point, Red, 1mm	0.038	240-345	Farnell
1	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk ('**') cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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