

Filename: PMP2719REVA - SEPIC 24V_bom.xls

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PMP2719REVA - SEPIC 24V BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	220pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C2	0.22uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	std	std
1	C3	1.5nF	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std
1	C4	18nF	Capacitor, Ceramic, 50V, X7R [tol]	0603	std	std
1	C5	0.1u	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	std
1	C6	100uF	Capacitor, Aluminum, 35V, ±20%	0.328 x 0.328 inch	EEETK1V101UP	Panasonic
1	C7	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
5	C8	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 20%	1210	C3225X7R1H335M	TDK
1	C9	330pF	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std
	C10	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 20%	1210	C3225X7R1H335M	TDK
	C12	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 20%	1210	C3225X7R1H335M	TDK
	C13	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 20%	1210	C3225X7R1H335M	TDK
	C15	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 20%	1210	C3225X7R1H335M	TDK
1	D1	B560C	Diode, Schottky, 5A, 60V	SMC	B560C	Diodes Inc.
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L4	0	Inductor, SMT, yyA, zzmilliohm	0.200 x 0.200 inch	MSS5131-xxxMX	Coilcraft
1	L30	56uH	Inductor, SMT, 4.5A, 190milliohm	0.484 x 0.484 inch	MSD1278-563ML	Coilcraft
1	Q1	HAT2174H	Mosfet, N-Ch, 100V, 21milliOhms, 100A	LFAK	HAT2174H	Hitachi
1	R1	249k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R2	10k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R3	1.5K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	49.9k	Resistor, Chip, 1/16W, 1%	0603	std	std
3	R6	0	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R7	2.2	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R10	1.21k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	0.01	Resistor, Chip, 1W, 5%	2512	STD	STD
	R14	0	Resistor, Chip, 1/16W, 1%	0603	std	std
	R15	0	Resistor, Chip, 1/16W, 1%	0603	std	std

5	TP1	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
2	TP2	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
2	TP4	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
	TP5	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
	TP7	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
	TP10	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
	TP11	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
	TP34	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40210DGS	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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