

PMP3080_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C12	1uF	Capacitor, Ceramic, 0603, 6.3V	0603	Std	Std
2	C14, C18	47 uF	Capacitor, Ceramic, 1210, 6.3V, X5R	1210	Std	Std
1	C20	OPEN	Capacitor, Ceramic, OPEN, 0603	0603	Std	Std
1	C21	10uF	Capacitor, Ceramic, xxx-uF, 6.3-V, X5R	0603	std	std
1	C22	1000pF	Capacitor, Ceramic, 0603, X7R	0603	Std	Std
1	C23	330pF	Capacitor, Ceramic, NPO, 0603	0603	Std	Std
1	C24	47pF	Capacitor, Ceramic, 0603	0603	Std	Std
2	C3, C9	22uF	Capacitor, Ceramic, 1210, 25V, X7R	1210	C3225X5R1E226K	TDK
1	C6	1uF	Capacitor, Ceramic, 25V, X7R	0805	std	std
1	FH1	5HF[P]xxx	Fuse Clip, 5X20MM	0.200 x 0.787 inch	5HF[P]xxx	Bel Fuse
1	J1	ED1609-ND	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	ED1609	OST
1	J2		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	ED1609	OST
1	L1	4.7uH	Inductor, SMT, 12A, 15-milliohm	0.51 x 0.51 inch	IHLP5050EZER4R7M0	Vishay
3	Q1, Q3, Q4	FDS6298	MOSFET, N-ch, 30-V, 13-A, 9.0-milliOhms	SO8	FDS6298	Fairchild
1	R1	100k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R10	49.9k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R11	49.9	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R13	3.01k	Resistor, Chip, 0603	0603	Std	Std
1	R14	11.0k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R16	0	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R17	17.8k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R2	191k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R22	0	Resistor, Chip, 0603, 1%	0603	Std	Std
3	R3, R4, R8	0	Resistor, Chip, xx-Ohms, 1/16-W, yy%	0603	Std	Std
1	R5	OPEN	Resistor, Chip, OPEN, 1210	1210	Std	Std
1	R6	51.1k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R7	41.2k	Resistor, Chip, 0603, 1%	0603	Std	Std
1	R9	15.0k	Resistor, Chip, 0603, 1%	0603	Std	Std
6	TP1, TP3, TP5, TP7, TP8, TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP2, TP6, TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP4	5015	Test Point, SMT	0.105 x 0.040 inch	5015	Keystone
1	U1	TPS40195RGY	IC, 4.5V to 20V Sync buck controller with sync and pgood	QFN-16	TPS40195RGY	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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