

PMP8849A BOM_30V

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C15 C32	0.1uF	Capacitor, Ceramic Chip, 50V, X7R, 15%	603	Std	Std
2	C10 C34	1000pF	Capacitor, Ceramic Chip, 50V, X7R, 15%	603	STD	STD
1	C23	1000pF	Capacitor, Ceramic Chip, 50V, X7R, 15%	603	Std	Std
1	C16	10pF	Capacitor, Ceramic Chip, 50V, NPO, 10%	603	Std	Std
1	C37	150pF	Capacitor, Ceramic Chip, 50V, X7R, 15%	603	Std	Std
1	C33	1uF	Capacitor, Ceramic Chip, 16V, X5R, 20%	603	Std	Std
1	C35	4.7uF	Capacitor, Ceramic, 16V, X7R, 20%	805	STD	STD
1	C17	1uF	Capacitor, Ceramic Chip, 100V, X7R, 15%	1206	Std	Std
4	C4-5 C26 C28	2.2uF	Capacitor, Ceramic Chip, 100V, ±10%	1210	Std	STD
1	C22	470uF	Capacitor, multi pattern, SM 1210 to E case + F THole	0.492 inch	ZL 50V 12.5x20	Rubycon
3	C11-13	470uF	Capacitor, multi pattern, TH 0.080 to 0.200	0.571 inch	ZL 63V 16x20	Rubycon
1	J1	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
1	L2	15 uH	14A heating, 21A sat, 8.7mOhms	21.5x21.8 mm	7443631500	Wurth
1	R6	0	Resistor, Chip, 1/16W, 5%	603	Std	Std
1	R11	10k	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R8 R14	2.2	Resistor, Chip, 1/16W, 5%	603	Std	Std
1	R20	200k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R18	13k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R3	16.9k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	162k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R22	20k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R21	2k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R19	4.12k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R17	54.9k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R2	806k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R5	0	Resistor, Chip, 1/16W, 5%	805	Std	Std
2	J2-3	ED120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED120/2DS	OST
6	TP1-2 TP4 TP6-7 TP12	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP3 TP9-10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP11	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40170RGY	IC, 4.5V - 60V Wide Input Sync. PWM Buck Controller	QFN-20	TPS40170RGY	TI
2	Q1 Q3	CSD18532Q5B	MOSFET, Nch, 60V, 2.5 milliohm	TDSON-8	CSD18532Q5B	TI
1	PCB	PMP6680 REV A	PCB: 3.8" by 3.2" by 0.063" 4 Layers			any

Notes: On PCB PMP6680A jumper TP1 to junction of R2/R3
 Jumper J1 pin 1 to pin 2
 On PCB PMP6680A jumper out L1 with wide strap

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