Filename Date: 02/		37REVA_bom.>	ds			
		507DE\//	N POM			
PMP2587REVA BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
4	C1	10uF	Capacitor, Ceramic, 10-uF, 25-V, X5R, 15%	1210	Std	TDK
	C2	10uF	Capacitor, Ceramic, 10-uF, 25-V, X5R, 15%	1210	Std	TDK
	C3	10uF	Capacitor, Ceramic, 10-uF, 25-V, X5R, 15%	1210	Std	TDK
1	C4	OPEN	Capacitor, Aluminum, 330-µF, 35-V, 20%	0.457 x 0.406	EEVFK1V331P	Panasonic
1	C5	2.2nF	Capacitor, Ceramic, 2.2nF, 50-V, X7R, 10%	0603	Std	Std
1	C6	100nF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C7	68pF	Capacitor, Ceramic, 68-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C8	OPEN	Capacitor, Ceramic, 10-uF, 25-V, X5R, 15%	1210	Std	TDK
1	C9	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
	C10	10uF	Capacitor, Ceramic, 10-uF, 25-V, X5R, 15%	1210	Std	TDK
1	C11	OPEN	Capacitor, Ceramic, 4700-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C12	OPEN	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C13	33nF	Capacitor, Ceramic, 33-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C14	100n	Ceramic, 25V	0603	std	std
1	C15	1u	Ceramic, 25V	0603	std	std
1	C16	150n	Ceramic, 25V	0603	std	std
1	C17	OPEN	Ceramic, 100nF, 25V	0603	std	std
1	C18	33nF	Capacitor, Ceramic, 33nF, 50-V, X7R, 10%	0603	Std	Std
1	D4	OPEN	Diode, Schottky, 3-A, 40-V	SMA	MBRA340	Motorola
1	D5	MBRD640	Diode, Schottky, 6-A, 40-V	DPAK	STD	ONsemi
1	D6	BZX84C5V1T	Diode, Zener, 5V1, 350-mW	SOT-23	BZX84C5V1T	Diodes
1	D7	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
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	J3	PTC36DAAN	Header, 2x3-pin, 100mil spacing (36-pin strip)	0.20 inch x 0.30	PTC36DAAN	Sullins

1	J4	PTC36SAAN	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 inch x 3	std	std
1	L1	2.2uH	Inductor, SMT, 2.2uH, 11.4A, 14milliohm	0.484 x 0.484 inch	MSS1260-xxxxX_	Coilcraft
1	L2	OPEN	Inductor, SMT, 22uH, 1.3A, 82milliohm	0.287 x 0.287 inch	MSS7341-xxxX_	Coilcraft
1	Q1	OPEN	MOSFET, P-Ch, -40, 54mOhm, 2.7A	SOP-8	Si4447DY	Vishay
1	Q2	FDD4243	MOSFET, P-ch, 40-V, 6.7-A	DPAK	FDD4243	Fairchild
1	Q3	FDV301N	MOSFET, Nch,25V, 220-mA, 5 ohms	SOT23	FDV301N	Fairchild
1	R1	100K	Resistor, Chip, 127K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	0.01	Resistor, Chip, 0.01Ohm, 0.5W, 1%	1206	2.35052E+11	PHYCOMP
1	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	1.2k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R6	25.5	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
4	R7	2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
	R8	2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
	R9	2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
	R10	2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
2	R11	2.2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
	R12	2.2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R13	OPEN	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R14	OPEN	Resistor, Chip, 30.1K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R15	1.2k	Resistor, Chip, 1/8W, 5%	1206	CRCW1206-xxx-J	Vishay
1	R16	1K	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R17	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
2	R18	300	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R19	OPEN	Resistor, Chip, 26.7K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R20	10k				
	R21	300	Resistor, Chip, 1/16W, 1%	0603	std	std
5	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone

	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI
1	U2	NE555DR	IC, Precision Timer	SO8	NE555DR	TI
Notes:	1. These assemblies are ESD sensitive, ESD precautions shall be observed.					
	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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