

PMP5517REVA1 BOM

	COUNT	RefDes	Value	Description	Size	Part Number	MFR
x	4	C2	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226M	TDK
x5r	1	C3	47nF	Capacitor, Ceramic, 10V, X7R, 10%	0603	STD	STD
x	1	C4	220nF	Capacitor, Ceramic, 10V, X7R, 10%	0603	STD	STD
	1	C5	open	Capacitor, Ceramic, 10V, X7R, 10%	0603	STD	STD
x		C6	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226M	TDK
x	1	C7	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	C1608X7R1C105M	TDK
x5r		C8	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226M	TDK
x		C9	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226M	TDK
	1	C100	open	Capacitor, Ceramic, 50V, COG, 20%	0603	STD	STD
x	1	D1	MBRS340	Diode, Schottky, 3-A, 40-V	SMC	MBRS340T3G	ONsemi
	5	J1	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 in	PEC02SAAN	Sullins
		J2	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 in	PEC02SAAN	Sullins
		J3	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 in	PEC02SAAN	Sullins
		J4	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 in	PEC02SAAN	Sullins
		J5	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 in	PEC02SAAN	Sullins
	2	J6	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0	ED555/2DS	OST
		J7	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0	ED555/2DS	OST
	1	JP1	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 in	PEC03SAAN	Sullins
x	1	L1	10uH	Dual Inductor, SMT, 2.8Asat, 1.24Arms, 100milliohm	0.484 x	MSD7342 -103ML	Coilcraft
x	1	R1	30.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
x	1	R2	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
x	1	R3	665	Resistor, Chip, 1/16W, 1%	0603	Std	Std
x	1	R4	332K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	1	R5	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
x	1	R6	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	1	SH1		Short jumper			
		TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x	5000	Keystone
	1	TP2	5002	Test Point, White, Thru Hole Color Keyed	0.100 x	5002	Keystone
		TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x	5000	Keystone
	4	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x	5000	Keystone
	1	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x	5001	Keystone
		TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x	5000	Keystone
	1	U1	TPS61175PWP	IC, High Voltage/Current Bosst Converter	HTSSOP	TPS61175PWP	TI

x => different from HPA588A

- 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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