

PMP5239_REVA BOM

COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
1	C101	1500pF	Capacitor, Ceramic, 50V, X7R, 0603	0603	Std	Std	5650
1	C102	33pF	Capacitor, Ceramic, 50V, COG, 0603	0603	Std	Std	5650
1	C103	6800pF	Capacitor, Ceramic, 50V, X7R, 0603	0603	Std	Std	5650
1	C104	0.022uF	Capacitor, Ceramic, 50V, X7R, 0603	0603	Std	Std	5650
3	C105, C107, C108	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 0603	0603	Std	Std	5650
1	C106	10uF	Capacitor, Ceramic, 10-uF, 6.3-V, X5R, 15%, 1206	1206	Std	Std	15390
	C111, C112, C113, C114, C123, C124,						
7	C125	22uF	Capacitor, Ceramic, 6.3-V, X5R, 20%, 1210	1210	Std	Std	24200
2	C121, C122	47uF	Capacitor, Ceramic, 6.3-V, X5R, 20%, 1210	1210	Std	Std	24200
1	C1	0.01uF	Capacitor, Ceramic, 50V, X7R, 0805	0805	Std	Std	
1	D101	BAT54HT1	Diode, Schottky, 200-mA, 30-V	SOD323	BAT54HT1	On Semi	14105
2	J101, J102	ED1609-ND	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	ED1609	OST	148830
1	L101	0.56uHy	Inductor, SMT, 22A, 1.8milliohm	0.400 x 0.453	IHLP4040DZERR56M11	Vishay	342900
2	Q103, Q104	CSD16407Q5	MOSFET, NChan, 25V, 100A, 2.5 milliohm	QFN5X6mm	CSD16407Q5	TI	86800
1	R1	0.33	Resistor, Chip, 5%, 1206	1206	Std	Std	15390
1	R101	10k	Resistor, Chip, 1%, 0603	0603	Std	Std	5650
2	R102, R104	1k	Resistor, Chip, 1%, 0603	0603	Std	Std	5650
1	R103	13.7k	Resistor, Chip, 1%, 0603	0603	Std	Std	5650
1	R105	110k	Resistor, Chip, 1%, 0603	0603	Std	Std	5650
1	R106	1.21k	Resistor, Chip, 1%, 0603	0603	Std	Std	5650
1	R107	2	Resistor, Chip, 2 Ohms, 5%, 0603	0603	Std	Std	5650
1	R108	130	Resistor, Chip, 5%, 0603	0603	Std	Std	5650
	TP101, TP103, TP105, TP106,						
5	TP108	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone	10
	TP102, TP104,						
3	TP107	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5001	Keystone	10
1	TP110	5015	Test Point, SMT	0.105 x 0.040	5015	Keystone	
1	U101	TPS40021PWP	IC, Enhanced, Low Input Voltage-Mode, Synchronous Buck Cc	HTSSOP-16	TPS40021PWP	TI	105,450
1	--		PCB, 3.625 In x 6.875 In x 0.063 In		PMP4232	Any	

- 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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