PMP5382 BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.1uF	Capacitor, Ceramic, 16V, X5R, 20%	0402	STD	STD
1	C2	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	Std	TDK
1	C3	10uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	C2012X5R1C106M	TDK
1	C4	150 pF	Capacitor, Ceramic, 25V, NPO, 10%	0402	{Part Number}	{MFR}
1	C5	0.1uF	Capacitor, Ceramic, vvV, [temp], [tol]	0402	{Part Number}	{MFR}
1	C6	Open	Capacitor, Ceramic, 25V, NPO, [tol]	0402	{Part Number}	{MFR}
1	C7	0.01 uF	Capacitor, Ceramic, 25V, X7R, 20%	0402	{Part Number}	{MFR}
1	C8	0.01uF	Capacitor, Ceramic, 25V, NPO, 10%	0402	{Part Number}	{MFR}
1	D1	MMSZ5231B	Diode, Zener, 5.1V, -mA	SOD-323	MMSZ5231BS	Diodes
3	J1, J2, J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
3	JP1, JP2, JP3	{Value}	Header, 3 pin, 100mil spacing, (36-pin strip)	0.100 x 3	PTC36SAAN	Sullins
1	L1	3.3 uH	Inductor, SMT, yyA, zz-milliohm	0.255 x 0.270 inch	IHLP2525CZ-01	Vishay
1	R1	100k	Resistor, Chip, 1/16W	0402	Std	Std
1	R10	10k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R2	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3	10K	Resistor, Chip, 1/16W	0402	Std	Std
1	R4	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R5	4.02K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R6	3.24k	Resistor, Chip, 1/16W	0402	Std	Std
2	R7, R9	DNP	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R8	20k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
8	TP1, TP2, TP3, TP4, TP5, TP8, TP9, TP10	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP6, TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS54620RGY	IC, 1.62V-17V Synchronous Buck PWM Converter with Integrated MOSFET	QFN14	TPS54620RGY	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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