

Filename: PMP2954-1_bom.xls

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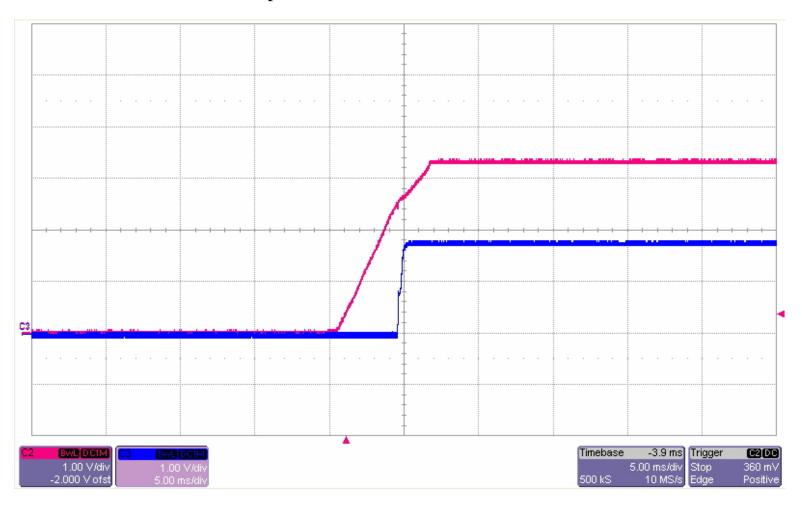
PMP2954-1.1 BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	220pF	Capacitor, Ceramic, 220-pF, 50-V, X7R, 15%	0603	Std	Std
2	C2, C3	open	Capacitor, Ceramic, open	1206	Std	Std
1	C4	470uF	Capacitor, Aluminum, 6.3V, ±20%	0.328 x 0.390 inch	EEVFK0J471F	Panasonic
1	C5	10uF	Capacitor, Aluminum, 25V, ±20%	0.200 x 0.210 inch	EEVFK1E100B	Panasonic
1	C6	0.1uF	Capacitor, Ceramic, 0.1uF, 50V, X7R, 10%	0603	Std	Std
1	C7	10uF	Capacitor, Tantalum, 10V, 4milliohm, 20%	0.110 x 0.215 inch	TAJT106006	AVX
1	D1		Diode, Schottky, 1A, 40V	457-04	MBRM140	On Semi
3	J1, J2, J3		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	220uH	Inductor, SMT, 220uH, 1.19A, 0.384 ohms	0.492 sq"	DR125-221	Coiltronics
1	Q1		MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
1	R1	0.3	Resistor, Chip, 0.3 Ohms, 0.125W, 10%	0805	Std	Std
3	R2, R4, R5	20K	Resistor, Chip, 20K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R3	12.1K	Resistor, Chip, 12.1K-Ohms, 1/16-W, 1%	0603	Std	Std
2	R6, R7	1K	Resistor, Chip, 1K-Ohms, 1/16-W, 1%	0603	Std	Std
3	TP1, TP2, TP3		Test Point, Black, 1mm	0.038	240-333	Farnell
1	U1		IC, 1.5 A Boost/Buck/Inverting SW Reg.	SO8	MC33063AQDRJRQ1	Texas Instruments
1	U2		IC, LDO Regulator With PG Output Fast-Transient-Response, 500mA, xxV	, SO8	TPS77618D	TI
1	U3		IC, Voltage Supervisor, xxVolts,	SOP-5 (DCK)	TPS3803-01	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.

PMP2954-1.1_Rev_A Start-up Waveform



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