

Filename: PMP2954-1_bom.xls

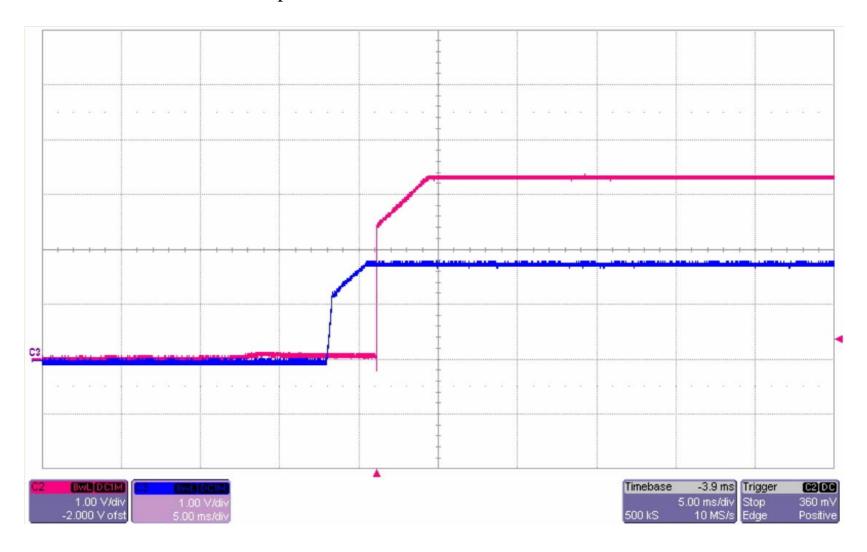
Date: 10/01/2007

PMP2954-1.3 BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	220pF	Capacitor, Ceramic, 220-pF, 50-V, X7R, 15%	0603	Std	Std
1	C2	470uF	Capacitor, Aluminum, 470uF, 6.3V, ±20%	0.328 x 0.390 inch	EEVFK0J471F	Panasonic
2	C3, C4	open	Capacitor, Ceramic, open	1206	Std	Std
1	C5	10uF	Capacitor, Aluminum, 10uF, 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	1000uH	Inductor, SMT, 0.31A, 2.93ohm	0.300 sq"	DR74-102	Coiltronics
1	Q1		MOSFET, P-ch, -20V, -2.3A, 130 milliohms	SOT23	Si2301DS	Vishay
1	Q2		Bipolar, NPN, 40-V, 200-mA, 0.350-W	SOT23	MMBT3904LT1	On Semi
1	R1	2.2	Resistor, Chip, 2.2 Ohms, 0.125W, 10%	0805	Std	Std
1	R2	1M	Resistor, Chip, 1M-Ohms, 1/16-W, 1%	0603	Std	Std
3	R3, R4, R6	20K	Resistor, Chip, 20K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	12.1K	Resistor, Chip, 12.1K-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

- 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.

PMP2954-1.3_Rev_A Start-up Waveform



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