

Filename: PMP2954-1_bom.xls

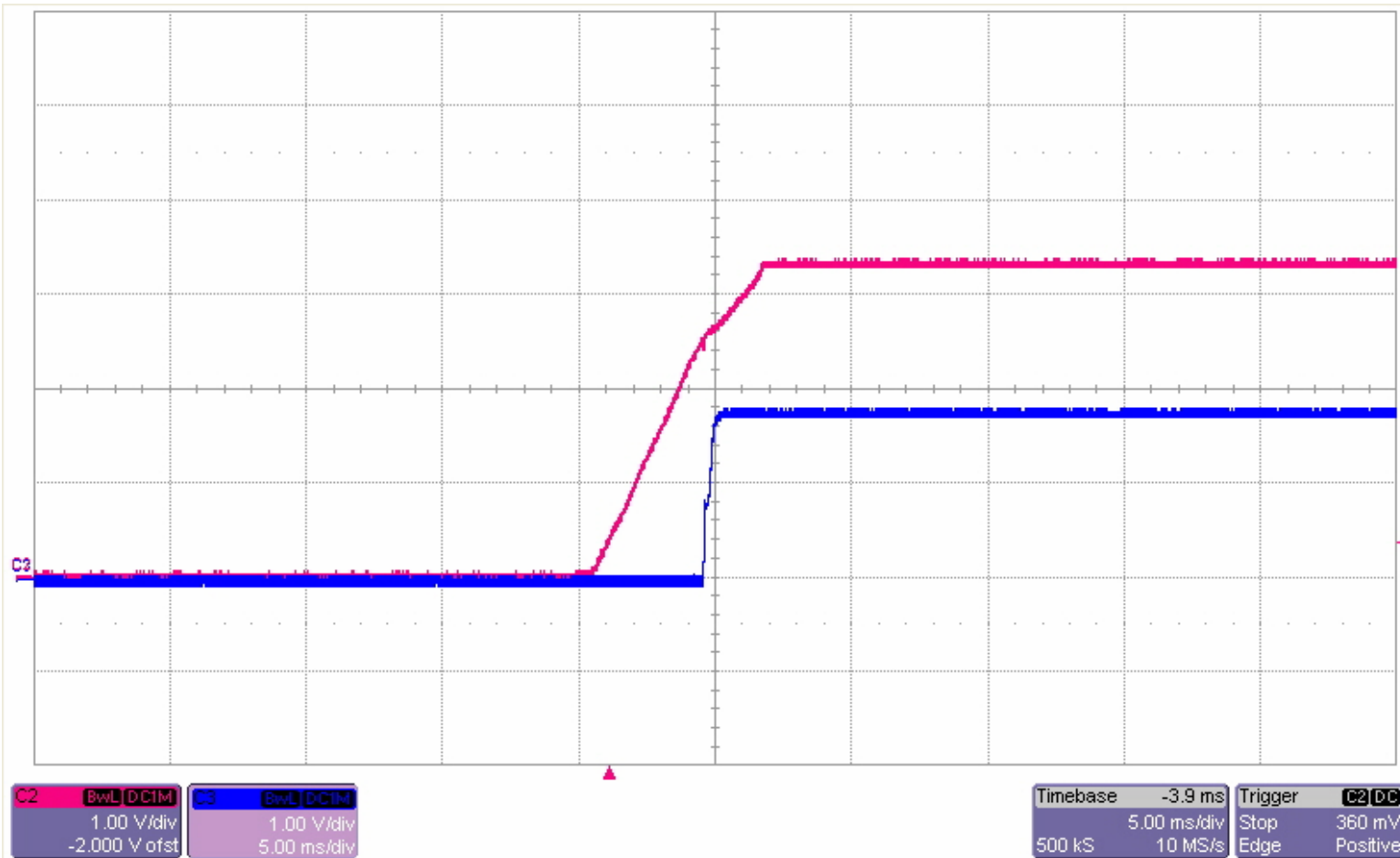
Date: 10/01/2007

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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