

5/30/2007		PMP665		48V to 3.3V/5A Power Supply BOM		
		Rev A		Texas Instruments		
Qty	RefDes	Part Number	Value	Description	Mfr	Size
0	C21	Std	Open	Capacitor, Ceramic, Open	muRata	603
2	C25, C26	GRM1885C1H221J	220pF	Capacitor, Ceramic, 220pF, 50V, COG, 5%	muRata	603
1	C20	GRM1885C1H561J	560pF	Capacitor, Ceramic, 560pF, 50V, COG, 5%	muRata	603
1	C18	GRM188R71H103K	0.01uF	Capacitor, Ceramic, 0.01uF, 50V, X7R, 10%	muRata	603
1	C22	GRM188R71H183K	0.018uF	Capacitor, Ceramic, 0.018uF, 50V, X7R, 10%	muRata	603
1	C23	GRM188R71E473K	0.047uF	Capacitor, Ceramic, 0.047uF, 25V, X7R, 10%	muRata	603
3	C6, C8, C19	GRM188R71E104K	0.1uF	Capacitor, Ceramic, 0.1uF, 25V, X7R, 10%	muRata	603
3	C10, C16, C24	GRM21BR71C105K	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 10%	muRata	805
2	C2, C5	VJ1206Y104KXBA	0.1uF	Capacitor, Ceramic, 0.1uF, 100V, X7R, 10%	Vishay	1206
1	C9	C3225X7R1C106M	10uF	Capacitor, Ceramic, 10uF, 16V, X7R, 10%	TDK	1210
3	C11, C12, C13	C3225X5R0J226M	22uF	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	TDK	1210
3	C1, C7, C17	1812CG222MAT	2200pF	Capacitor, Ceramic, 2200pF, 2KV, COG, 20%	AVX	1812
1	C3	C4532X7R2A474M	0.47uF	Capacitor, Ceramic, 0.47uF, 100V, X7R, 20%	TDK	1812
2	C14, C15	EEVFK0J331P	330uF	Capacitor, Aluminum, 330uF, 6.3V, 20%	Panasonic	8x6.2mm
1	C4	EEVFK2A330P	33uF	Capacitor, Aluminum, 33uF, 100V, 20%	Panasonic	10x12mm
3	D1, D6, D7	BAS16		Diode, Switching, 10-mA, 85-V, 350-mW	On Semi	SOT-23
1	D3	BZX84C6V8LT1	6.8V	Diode, Zener, 6.8-V, 350-mW	On Semi	SOT-23
2	D4, D5	BZX84C15LT1	15V	Diode, Zener, 15V, 225mW	On Semi	SOT-23
1	D2	MURS120T3		Diode, UltraFast Rectifier, 1A, 200V	On Semi	SMB
1	L1	P0354	1.17mH	Inductor, Common-mode, 1.17mH, 1.22A	Pulse	0.5x0.5
1	L2	DO3316P-152HC	1.5uH	Inductor, SMT, 1.5uH, 9A, 8milliohm	Coilcraft	9.9x13.2mm
1	R20	Std	0	Resistor, Chip, 0 Ohms	Std	603
1	R6	Std	10	Resistor, Chip, 10 Ohms, 1/16W, 1%	Std	603
1	R5	Std	20	Resistor, Chip, 20 Ohms, 1/16W, 1%	Std	603
2	R13, R17	Std	475	Resistor, Chip, 475 Ohms, 1/16W, 1%	Std	603
3	R2, R11, R21	Std	1K	Resistor, Chip, 1.00K Ohms, 1/16W, 1%	Std	603
3	R10, R14, R18	Std	3.01K	Resistor, Chip, 3.01K Ohms, 1/16W, 1%	Std	603
1	R22	Std	4.12K	Resistor, Chip, 4.12K Ohms, 1/16W, 1%	Std	603
1	R12	Std	7.50K	Resistor, Chip, 7.50K Ohms, 1/16W, 1%	Std	603
2	R15, R23	Std	10K	Resistor, Chip, 10.0K Ohms, 1/16W, 1%	Std	603
2	R8, R9	Std	11.3K	Resistor, Chip, 11.3K Ohms, 1/16W, 1%	Std	603
2	R16, R19	Std	30.1K	Resistor, Chip, 30.1K Ohms, 1/16W, 1%	Std	603
1	R4	Std	4.7	Resistor, Chip, 4.7 Ohms, 1/10W, 5%	Std	805
1	R3	Std	44.2K	Resistor, Chip, 44.2K Ohms, 1/4W, 1%	Std	1206
1	R1	Std	100K	Resistor, Chip, 100K Ohms, 1/4W, 1%	Std	1206
1	R7	Std	0.68	Resistor, Chip, 0.68 Ohms, 1W, 1%	Std	2512
1	J1	ED1515		Terminal Block, 3-pin, 6-A, 3.5mm	OST	0.27 x 0.25
1	J2	ED1514		Terminal Block, 2-pin, 6-A, 3.5mm	OST	0.27 x 0.25
1	J3	PTC36SAAN		Header, 2 Pin, 100mil Spacing (36 pin strip)	Sullins	01.x0.2
1	T1	G027270		Transformer, Flyback, 2 Primary, 3 Secondary Custom	GCI	1.180 x 0.886
1	U2	H11A817		IC, Optocoupler, 5300-V, 50-600% CTR	Fairchild	0.380 x 0.180
1	Q2	Si4840DY		MOSFET, N-ch, 40V, 14A, 9milliOhms	Vishay	SO-8
1	Q3	Si4848DY		MOSFET, N-ch, 150V, 3.7A, 85milliOhms	Vishay	SO-8
3	Q1, Q4, Q5	MMBT3904LT1		Bipolar, NPN,40V, 200-mA, .5-W	On Semi	SOT-23
1	U1	UCC2809D-2		IC, Economy Primary-Side Controller, 15V Startup	TI	SO-8
1	U3	TL431AID		IC, Adj Shunt Regulator, 100-mA, 36-V	TI	SO-8

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