

	11/16/2004	PMP717		POE Power Supply BOM		
		Rev D		Texas Instruments		
Qty	RefDes	Part Number	Value	Description	Mfr	Size
1	C18	Std	68pF	Capacitor, Ceramic, 68pF, 50V, C0G, 5%	Std	603
2	C10, C26	Std	270pF	Capacitor, Ceramic, 270pF, 50V, C0G, 5%	Std	603
1	C23	Std	330pF	Capacitor, Ceramic, 330pF, 50V, C0G, 5%	Std	603
1	C21	Std	1000pF	Capacitor, Ceramic, 1000pF, 50V, X7R, 10%	Std	603
0	C1	Std	DNP	Capacitor, Ceramic, , 50V, C0G, 5%	Std	603
2	C3, C22	Std	0.01uF	Capacitor, Ceramic, 0.01uF, 50V, X7R, 10%	Std	603
2	C25, C27	Std	0.033uF	Capacitor, Ceramic, 0.033uF, 25V, X7R, 10%	Std	603
1	C19	Std	0.1uF	Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%	Std	603
2	C20, C24	C1608X5R0J105K	1uF	Capacitor, Ceramic, 1uF, 6.3V, X5R, 10%	TDK	603
2	C2, C4	C2012X5R0J106M	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%	TDK	805
3	C12, C13, C14	C2012X5R0J226M	22uF	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	TDK	805
2	C9, C11	Std	0.1uF	Capacitor, Ceramic, 0.1uF, 100V, X7R, 10%	Std	1206
1	C17	C3216X5R1C106M	10uF	Capacitor, Ceramic, 10uF, 16V, X5R, 20%	TDK	1206
2	C7, C8	C3225X7R2A105K	1uF	Capacitor, Ceramic, 1uF, 100V, X7R, 10%	TDK	1210
1	C5	1812CG222MAT	2200pF	Capacitor, Ceramic, 2200pF, 2KV, X7R, 20%	AVX	1812
2	C15, C16	EEVFK0J331P	330uF	Capacitor, Aluminum, 330uF, 6.3VV, 20%	Panasonic	8x6.2mm
1	C6	EEVFK1J220P	22uF	Capacitor, Aluminum, 22uF, 63V, 20%	Panasonic	8x6.2mm
2	D6, D7	BAS16LT1		Diode, Switching, 200mA, 75V, 225mW	On Semi	SOT-23
2	D1, D2	HD01		Bridge Rectifier, 100V, 0.8A, Glass Passivated, SMD	Diodes Inc	MINI DIP4
1	D3	MBRS340T3		Diode, Schottky, 3A, 40V	On Semi	SMC
2	D4, D8	MURA120T3		Diode, Rectifier, 1A, 200V	On Semi	SMA
1	D5	1SMA58AT3	58V	Diode, TVS, 58V, 400W	On Semi	SMA
2	J1, J2	520252		Connector, Jack, Modular, 8 POS	AMP	0.705 x 0.820
3	J3, J4, J5	PTC36SAAN		Header, 2-pin, 100mil spacing, (36-pin strip)	Sullins	0.100 x 2
1	L1	DO1608C-472	4.7uH	Inductor, SMT, 4.7uH, 1.5A, 90milliohm	Coilcraft	0.26x0.09
2	R10, R11	Std	0	Resistor, Chip, 0 Ohms	Std	603
1	R12	Std	10	Resistor, Chip, 10 Ohms, 1/16W, 5%	Std	603
1	R9	Std	20	Resistor, Chip, 20 Ohms, 1/16W, 5%	Std	603
1	R13	Std	249	Resistor, Chip, 249 Ohms, 1/16W, 1%	Std	603
2	R17, R24	Std	499	Resistor, Chip, 499 Ohms, 1/16W, 1%	Std	603
1	R14	Std	1K	Resistor, Chip, 1.00K Ohms, 1/16W, 1%	Std	603
1	R22	Std	3.01K	Resistor, Chip, 3.01K Ohms, 1/16W, 1%	Std	603
2	R18, R19	Std	9.09K	Resistor, Chip, 9.09K Ohms, 1/16W, 1%	Std	603

1	R20	Std	10K	Resistor, Chip, 10.0K Ohms, 1/16W, 1%	Std	603
1	R23	Std	20K	Resistor, Chip, 20.0K Ohms, 1/16W, 1%	Std	603
1	R21	Std	23.7K	Resistor, Chip, 23.7K Ohms, 1/16W, 1%	Std	603
1	R3	Std	24.9K	Resistor, Chip, 24.9K Ohms, 1/16W, 1%	Std	603
1	R16	Std	40.2K	Resistor, Chip, 40.2K Ohms, 1/16W, 1%	Std	603
1	R6	Std	178K	Resistor, Chip, 178K Ohms, 1/16W, 1%	Std	603
0	R1, R2	Std	DNP	Resistor, Chip, Ohms, 1/16W, 1%	Std	603
1	R5	Std	10	Resistor, Chip, 10 Ohms, 1/10W, 5%	Std	805
1	R7	Std	549	Resistor, Chip, 549 Ohms, 1/10W, 1%	Std	805
1	R8	Std	57.6K	Resistor, Chip, 57.6K Ohms, 1/10W, 1%	Std	805
1	R4	Std	100K	Resistor, Chip, 100K Ohms, 1/10W, 1%	Std	805
1	R15	Std	0.82	Resistor, Chip, 0.82 Ohms, 1/4W, 5%	Std	1206
1	Q2	MMBT3904TT1		Bipolar, NPN, 40V, 200mA, 200mW	On Semi	SC-75
1	Q1	Si3440DV		MOSFET, N-ch, 150V, 1.5A, 375milliOhms	Vishay	TSOP-6
1	T1	H2019		Xfmr, Center-tapped, Voice Over IP	Pulse	0.500 x 0.370
1	T2	PA1032		Transformer, Flyback	Pulse	.490 X .450
	ALT	C1453-A			Coilcraft	
	ALT	MGPWT-00216			CoEv	
1	U4	H11A817AS		IC, Optocoupler, 5300V, 80-160% CTR	Fairchild	0.435 x 0.210
1	U5	TLV431ACDBVR		IC, Shunt Regulator, 1.24V Ref, 6V, 10mA, 1%	TI	SOT23-5
1	U1	TPS79518DCQ		IC, LDO, 500mA, 1.8V	TI	SOT223-6
1	U2	TPS2375PW		IC, IEEE 802.3af PoE PD Controller	TI	TSSOP8
1	U3	UCC3809P-2		IC, Economy Primary-Side Controller	TI	MSOP-8

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