

**LAN7500 CUSTOMER EVALUATION BOARD  
ASSY 6588**

**REVISED: Nov. 04, 2009  
PCB Revision: A  
Schematic Revision 1.1**

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	1	C1	0.01uF 50V	0603	Murata GRM188R71H103KA01J
2	19	C2,C19,C20,C21,C22,C23, C24,C25,C30,C31,C32,C33, C35,C36,C37,C38,C39,C40, C41	0.1uF 16V	0402	Panasonic ECJ-0EX1C104K
3	DNP 4	C3,C4,C5,C6	0.022uF 50V	0805	Kemet C0805C223K5RACTU
4	2	C7,C8	30pF 50V	0603	Murata GRM1885C1H300JA01D
5	1	C9	1000pF 2kV	1808	AVX 1808GC102ZAT1A
6	2	C10,C17	1.0uF 16V	0603	Kemet C0603C105K4PACTU
7	DNP 1	C11	0.01uF 50V	0603	Murata GRM188R71H103KA01J
8	3	C12,C13,C16	0.1uF 10V	0603	Kemet C0603C104K8RAC
9	1	C14	22uF 16V	SMD_B	AVX TAJB226K016RNJ
10	1	C15	0.1uF 25V	0805	Kemet C0805C104K3RAC
11	1	C18	4.7uF 16V	0805	Panasonic ECJ-2FB1C475K
12	3	C26,C28,C34	10uF 6.3V	0603	Murata GRM188R60J106ME47D
13	1	C27	22pF 50V	0402	Kemet C0402C220J5GACTU
14	1	C29	0.1uF 10V	0402	Panasonic ECJ-0EB1A104K
15	2	C42,C43	0.47uF 6.3V	0603	Panasonic ECJ-1VB0J474K
16	1	FB1	2.0A/220-Ohm/100MHz	0805	Murata BLM21PG221SN1D
17	5	FB2,FB3,FB4,FB5,FB6	0.5A/120-Ohm/100MHz	0603	TDK MMZ1608S121A
18	1	F1	3A	SMD	Littelfuse 154003
19	2	JP1,JP2	1x3	HEADER_1x3_100	Adam Tech PH1-03-U-A
20	4	JP3,J3,J4,J5	1x2	HEADER_1x2_100	Adam Tech PH1-2-U-A
21	DNP 1	J1	MMCX	MMCX_135_3701_211	Johnson 135-3701-211
22	1	J2	2x8	HEADER_2x8_100	Adam Tech PH2-16-U-A
23	1	J6	1x6	HEADER_1x6_100	Adam Tech PH1-6-U-A
24	6	LED1,LED2,LED3,LED4, LED5,LED6	LED - Green	LED_0805	Lite-On LTST-C170GKT
25	2	L1,L2	2.2uH	1008	Murata LQM2HPN2R2MG0L
26	1	P1	SS-6488S-A-NF	RJ45_MTJ_SHLD_TD	Stewart SS-6488S-A-NF
27	1	P2	USB Type-B Right Angle	THRU-HOLE_CUSTOM	AMP 292304-1
28	1	P3	Connector - Power Supply	THRU-HOLE_CUSTOM	CUI PJ-102AH
29	1	Q1	IRF7424	SOIC-8	Int. Rectifier IRF7424PBF
30	6	R1,R2,R12,R13,R18,R39	332	0603	Rohm MCR03EZPFX3320
31	8	R3,R4,R5,R6,R7,R8,R9,R15	49.9	0603	Rohm MCR03EZPFX49R9
32	11	R10,R11,R16,R17,R28,R29, R30,R31,R32,R46,R53	0	0603	Rohm MCR03EZPJ000
33	1	R14	8.06K	0603	Rohm MCR03EZPFX8061
34	1	R19	12.0K	0603	Yageo RC0603JR-0712KL
35	DNP 1	R20	1.00M	0603	Rohm MCR03EZPFX1004
36	4	R21,R22,R23,R24	75.0	0603	Rohm MCR03EZPFX75R0
37	5	R25,R37,R47,R50,R56	0	0402	Rohm MCR03EZHZJ000
38	1	R26	0	1210	Vishay CRCW12100000Z0EA
39	1	R27	402	0603	Rohm MCR03EZPFX4020
40	6	R33,R38,R40,R42,R43,R45	10.0K	0603	Rohm MCR03EZPFX1002
41	1	R34	825	0603	Rohm MCR03EZPFX8250
42	1	R35	39.2K	0603	Rohm MCR03EZPFX3922
43	1	R36	61.9K	0603	Rohm MCR03EZPFX6192
44	1	R41	100K	0603	Rohm MCR03EZPFX1003
45	1	R44	0	0805	Rohm MCR10EZHZJ000
46	2	R48,R54	360K	0402	Rohm MCR01MZPF3603
47	1	R49	10.0K	0402	Rohm MCR01MZPF1002
48	DNP 1	R51	0	0402	Rohm MCR03EZHZJ000
49	1	R52	348K	0402	Rohm MCR01MZPF3483
50	1	R55	115K	0402	Rohm MCR01MZPF1153
51	1	S1	Switch- Toggle, SPDT	SMT	C&K GT11MSABE
52	1	TP1	Test Point - 1x1	HEADER_1x1	Adam Tech PH1-01-U-A



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53	2	TP2,TP3	Test Point-Gold Post	TP_CUSTOM	Mill-Max 3132-0-00-15-00-00-08-0
54	1	T1	TG1G-S002NZRL	SMD	Halo TG1G-S002NZRL
55	1	U1	LAN7500	QFN56	SMSC LAN7500-ABZJ
56	1	U2	93AA66A-I/SN	SOIC-8	Microchip 93AA66A-I/SN
57	1	VR1	TPS62410	SON10_EP	TI TPS62410DRCT
58	1	VR2	LP5900SD-3.3	LLP-6	National LP5900-SD3.3/NOPB
59	1	Y1	25.000MHz	HC49US	Suntsu Freq. SCS20D-25.000MHZ