

**LAN9500 Reference Design**

**REVISED: April 15, 2008**  
**Schematic Revision: 1.0**

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	1	C1	.022uF 50V	0805	Kemet C0805C223K5RAC
2	DNP 4	C2,C3,C4,C5	15pF 50V	0603	Kemet C0603C150J5GAC
3	2	C6,C29	4700pF 50V	0603	Kemet C0603C472K5RACTU
4	2	C7,C8	30pF 50V	0603	Kemet C0603C300J5GAC
5	16	C9,C10,C11,C12,C13,C15, C17,C18,C19,C20,C21,C22, C24,C25,C26,C28	0.1uF 1 16V	0603	Kemet C0603C104K4RAC
6	4	C14,C16,C23,C27	1.0uF 16V	0603	Kemet C0603C105K4PACTU
7	4	FB1,FB2,FB3,FB4	2.0 Amp/0.05 DCR	0603	Murata BLM18PG121SN1D
8	1	LED1	Green LED	LED_0805	Ledtronics SML06PG4C-TR
9	1	P1	USB Type-B Right Angle	AMP_292304-1	AMP - 292304-1
10	3	R1,R10,R13	332	0603	Rohm MCR03EZHF3320
11	4	R2,R3,R4,R5	49.9	0603	Rohm MCR03EZHF49R9
12	1	R6	10.0	0603	Rohm MCR03EZHF10R0
13	1	R7	0	0603	Rohm MCR03EZHZJ000
14	1	R8	12.4K	0603	Rohm MCR03EZHF1242
15	1	R9	12.0K	0603	Yageo 9C06031A1202FKHFT
16	1	R11	1.00M	0603	Rohm MCR03EZHF1004
17	2	R12,R17	10M	0603	Rohm MCR03EZHZJ106
18	1	T1	Pulse - J0011D01B	PULSE_RJ45_J0026	Pulse J0011D01B
19	1	U1	LAN9500	QFN56	SMSC LAN9500-ABZJ
20	1	U2	93AA56A-OT	SOT23-6	Microchip 93AA56A-OT
21	1	VR1	LP38693MP-3.3/NOPB	SOT223-5	National LP38693MP-3.3/NOPB
22	1	Y1	25 MHZ	HC49US	FOX FOXS/250F-20