

**LAN9118 REFERENCE SCHEMATIC
ASSY**

**REVISED: June 20, 2007
Schematic Revision: 1.4**

Bill of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	2	C1,C2	6.8nF	0805	KEMET - C0805C682K4RAC
2	1	C3	.01uF	0805	KEMET - C0805C103K5RAC
3	1	C4	.022uF	0805	KEMET - C0805C223K5RAC
4	2	C5,C6	1000pf 2KV	1808	AVX - 1808GC102ZA11A
5	2	C7,C8	33pF 50V	0603	Kemet C0603C330J5GACTU
6	2	C9,C22	10uF 6.3V	0805	ECJ - 2FB0J106M
7	3	C10,C11,C23	0.01uF 25V	0402	Kemet C0402C103K3RAC
8	15	C12,C13,C14,C15,C16,C17, C18,C19,C20,C21,C24,C25, C26,C27,C29	0.1uF 10V	0402	Kemet-C0402C104K8PACTU
9	1	C28	10uF 16V	SMD_B	Kemet-T491B106K016AS
10	1	FB1	2.0 Amp/0.05 DCR	0603	Murata - BLM18PG121SN1D
11	1	JP1	1x3	Head1x3	Adam Tech PH1-03-U-A
12	1	JP2	1x2	Head1x2	Adam Tech PH1-2-U-A
13	1	J1	RJ45	RJ45_NO_LEDS	Amphenol - RJHS-5380
14	2	LED1,LED3	GREEN	LED_1206	Chicago Miniature - 7010X5
15	1	LED2	YELLOW	LED_1206	Chicago Miniature - 7010X7
16	10	R1,R2,R3,R4,R9,R10,R11, R12,R13,R16	49.9	0805	ROHM - MCR10EZHF49R9
17	1	R5	10.0	0805	ROHM - MCR10EZHF10R0
18	1	R6	12.4K	0603	Rohm-MCR03EZHF1242
19	2	R14,R15	75.0	0805	Rohm-MCR10EZHF75R0
20	1	R17	0	1210	ROHM - MCR25JZHJB000
21	1	R18	1M	0805	ROHM - MCR10EZHF1004
22	1	R19	12.0K	0603	Yageo-9C06031A1202FKHFT
23	3	R20,R21,R22	332	0805	ROHM - MCR10EZHF3320
24	2	R23,R24	10.0K	0603	Rohm-MCR03EZHF1002
25	5	R25,R26,R27,R28,R29	1.00K	0603	Rohm-MCR03EZHF1001
26	1	T1	S558-5999-46	PULSE_PE_68056	BEL - S558-5999-46
27	1	U1	LAN9118	TQFP100	SMSC - LAN9118
28	1	U2	93LC46A	SOIC-8	Mircochip - 93LC46A-SN
29	1	Y1	25 MHZ	HC49US	Oscilent - 151-25.0M-20-15Hs