



LAN8700 MII Reference Design

REVISED: March 24, 2008
Schematic Revision: A0

Bill of Materials

<u>Item</u>	<u>Quantity</u>	<u>Part Reference</u>	<u>PCB Footprint</u>	<u>Value</u>	<u>Manufacturer P/N</u>
1	1	C1	0603	1.0uF 16V	Kemet C0603C105K4PACTU
2	2	C2 C7	0603	4.7uF 6.3V	Kemet C0603C475K9PACTU
3	7	C3 C4 C6 C8 C9 C10	0402	0.1uF 16V	Kemet C0402C104K4RACTU
4	1	C5	0402	0.01uF 50V	Rohm MCH155FN103ZK
5	4	C11 C12 C13 C14	0603	10pF 16V (Do Not Populate)	AVX 0603YA100BAT2A
6	1	C15	0603	0.022uF 50V	Kemet C0603C223K5RACTU
7	2	C17 C18	0402	30pF 50V	Rohm MCH155A300JK
8	4	R1 R2 R9 R20	0402	330R	Rohm MCR01MZPJ331
9	1	R3	0603	10R	Rohm MCR03EZPFX10R0
10	1	R4	0603	1.5K	Rohm MCR03EZPFX1501
11	4	R5 R6 R7 R8	0402	49R9	Rohm MCR01MZPF49R9
12	10	R10 R11 R12 R13 R14 R15 R16 R17 R18 R19	0603	100R	Rohm MCR03EZPFX1000
13	2	R21 R22	0603	10K	Rohm MCR03EZPFX1002
14	1	R23	0603	12.4K	Rohm MCR03EZPFX1242
15	1	R24	0603	1M	Rohm MCR03EZPJ105
16	1	R25	1210	0R	Panasonic ERJ-14Y0R00U
17	1	FB1	0603	500mA	Murata BLM18EG471SN1D
18	1	Y1	HC-49US	25MHz	Oscilent 151-25.0M-20-15HS
19	1	U1	SOT23_5	LP2992	National LP2992IM5-3.3
20	1	U2	PQFN36	LAN8700	SMSC LAN8700
21	1	SW1	SWTH_TYCO_fsm6x3mm	SW-PB	E-Switch EG2511-ND
22	2	LED1 LED2	0603	GREEN	Lite-On LTST-C190GKT
23	1	J11	RJSE1R5310A_SY	RJ-45 MAGJACK	
24	1	P1	174218-2	MII_RA	Amp/Tyco 174218-2