



LAN8700 RMII 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 C16	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	4	R1 R2 R9 R20	0402	330R	Rohm MCR01MZPJ331
8	1	R3	0603	10R	Rohm MCR03EZPFX10R0
9	1	R4	0603	1.5K	Rohm MCR03EZPFX1501
10	4	R5 R6 R7 R8	0402	49R9	Rohm MCR01MZPF49R9
11	4	R10 R11 R12 R13	0603	100R	Rohm MCR03EZPFX1000
12	3	R21 R22 R26	0603	10K	Rohm MCR03EZPFX1002
13	1	R23	0603	12.4K	Rohm MCR03EZPFX1242
14	1	R25	1210	0R	Panasonic ERJ-14Y0R00U
15	2	R27 R28	0603	33R	Rohm MCR03EZPFX33R0
16	1	FB1	0603	500mA	Murata BLM18EG471SN1D
17	1	SW1	SWTH_TYCO_fsm6x3mm	SW-PB	E-Switch EG2511-ND
18	2	LED1 LED2	0603	GREEN	Lite-On LTST-C190GKT
19	1	J11	RJSE1R5310A_SY	RJ-45 MAGJACK	
20	1	P1	174218-2	MII_RA	Amp/Tyco 174218-2
21	1	U1	SOT23_5	LP2992	National LP2992IM5-3.3
22	1	U2	PQFN36	LAN8700	SMSC LAN8700
23	1	U3	YSM_CTS_CB3LV	50MHz	ECS ECS-3963-500-BN-TR