LAN8720 RMII PHY Customer Evaluation Board
ASSY 6584

REVISED: Jan. 06, 2011
PCB Revision: C
Schematic Revision 1.3

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	2	C1,C20	1.0uF 16V	0603	Kemet C0603C105K4PACTU
2	2	C3,C2	4.7uF 6.3V	0603	Panasonic ECJ-1VB0J475K
3	1	C4	0.01uF 50V	0603	Kemet C0603C103K5RACTU
4	5	C5,C6,C7,C16,C18	0.1uF 16V	0603	Kemet C0603C104K4RACTU
5	1	C8	0.022uF 50V	0603	Kemet C0603C223K5RACTU
6	DNP 4	C9,C10,C11,C12	10pF 50V	0402	Kemet C0402C100J5GACTU
7	2	C14,C13	30pF 50V	0603	Kemet C0603C300J5GACTU
8	1	C15	0.1uF 10V	0603	Kemet C0603C104K8RAC
9	1	C17	10uF 25V	SMD_B	Kemet T491B106K025AT
10	1	C19	470pf 50V	0603	Murata GCM1885C1H471JA16D
11	DNP 1	C21	4.7uF 6.3V	0603	Panasonic ECJ-1VB0J475K
12	1	FB1	2.0A/0.050 DCR	0603	Murata BLM18PG121SN1D
13	1	J1	Header, 2x10	HEADER_2x10_.100	Adam Tech PH2-20-U-A
14	1	P1	5173278-2	THRU-HOLE_CUSTOM	Tyco 5173278-2
15	4	R3,R4,R5,R7	100	0603	Rohm MCR03EZPFX1000
16	DNP 1	R10	100	0603	Rohm MCR03EZPFX1000
17	1	R11	1.50K	0603	Rohm MCR03EZPFX1501
18	2	R17,R12	0	0603	Rohm MCR03EZPJ000
19	4	R13,R14,R15,R16	49.9	0603	Rohm MCR03EZPFX49R9
20	1	R20	10.0	0603	Rohm MCR03EZPFX10R0
21	DNP 1	R21	1.00M	0603	Rohm MCR03EZPFX1004
22	1	R22	12.1K	0603	Rohm MCR03EZPFX1212
23	1	R23	0	1210	Vishay CRCW12100000Z0EA
24	DNP 5	R24,R31,R32,R33,R47	4.75K	0603	Rohm MCR03EZPFX1002
25	9	R25,R28,R29,R30,R37,R38, R39,R44,R48	4.75K	0603	Rohm MCR03EZPFX1002
26	4	R40,R42,R45,R46	0	3PIN_0603	Rohm MCR03EZPJ000
27	2	R41,R43	330	3PIN_0603	Rohm MCR03EZPFX3300
28	DNP 2	R49,R50	0	0603	Rohm MCR03EZPJ000
29	1	R51	10.0K	0603	Rohm MCR03EZPFX1002
30	1	S1	Switch, Push Momentary	SW_MOM_PB	Panasonic EVQ-PJU04K
31	1	TP1	Test Point - Orange	TP_THRU_HOLE	Keystone 5008
32	1	TP2	Test Point - Red	TP_THRU_HOLE	Keystone 5005
33	DNP 1	TP3	Test Point - Green	TP_THRU_HOLE	Keystone 5121
34	1	TP4	Test Point - Black	TP_THRU_HOLE	Keystone 5006
35	1	TP5	Test Point - Purple	TP_THRU_HOLE	Keystone 5124
36	1	T1	RJ45 Jack w/ Magnetics; Green, Yellow LED	THRU-HOLE_CUSTOM	Pulse J0011D01BNL
37	1	U1	LAN8720A	QFN24_4X4MM_EP2P5MM	SMSC LAN8720A-CP
38	1	U2	50.000MHz	SMD_5mmx7mm_OSC	CTS Freq. CB3LV-3I-50M0000
39	1	U3	74LVC1G17	SOT23-5	TI SN74LVC1G17DBV
40	1	U4	MIC6315-26D2UY	SOT-143_BIG1	Micrel MIC6315-29D2UY
41	1	VR1	LP2992IM5-3.3	SOT23-5	National Semi. LP2992IM5-3.3/NOPB
41	1	Y1	25.000MHz	HC49US	Suntsu Freq. SCS20D48-25.000MHZ