

LAN9420 128-VTQFP REFERENCE DESIGN
REVISED: April 08, 2008
Schematic Revision: 0.2

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	3	C1,C14,C24	4.7uF 6.3V	0603	Panasonic ECJ-1VB0J475M
2	7	C2,C6,C7,C8,C9,C12,C22	0.1uF 10V	0402	Kemet C0402C104K8PACTU
3	14	C3,C4,C10,C11,C13,C15, C16,C17,C18,C19,C20,C21, C23,C32	0.01uF 25V	0402	Kemet C0402C103K3RAC
4	1	C5	22uF 6.3V	0805	Panasonic ECJ-2FB0J226M
5	1	C25	0.022uF 50V	0805	Kemet C0805C223K5RAC
6	2	C26,C27	30pf 50V	0805	Kemet C0805C300K3RAC
7	DNP 4	C28,C29,C30,C31	15pf 50V	0603	Kemet C0603C150J5GAC
8	2	FB1,FB2	2.0 Amp/0.05 DCR	0805	Murata BLM21PG221SN1D
9	1	JP1	1x2	Head1x2	Adam Tech PH1-2-U-A
10	1	LED1	Green LED	LED_0805	LEDTRONICS-SML06PG4C-TR
11	3	R1,R7,R9	332	0603	Rohm MCR03EZHF3320
12	4	R2,R3,R4,R5	49.9	0805	Rohm MCR10EZHF49R9
13	1	R6	10.0	0805	Rohm MCR10EZHF10R0
14	1	R8	1.00K	0603	Rohm MCR03EZHF1001
15	1	R10	12.4K	0603	Rohm MCR03EZHF1242
16	1	R11	0	1210	Rohm MCR25JZHJB000
17	1	R12	1.00M	0603	Rohm MCR03EZHF1004
18	1	R13	2.00K	0603	Rohm MCR03EZHF2001
19	1	T1	Pulse - J0011D01B	PULSE_RJ45_J0026	Pulse J0011D01B
20	1	U1	LAN9420	VTQFP128_4MMPITCH	SMSC LAN9240
21	1	U2	93LC46A	SOIC-8	Microchip 93LC46A-SN
22	1	Y1	25 MHZ	HC49US	Foxconn FOXS/250F-20