

**LAN9514 Customer Evaluation Board  
ASSY 6569**

**REVISED: Aug. 26, 2009  
PCB Revision: C  
Schematic Revision 1.0**

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	1	C1	22uF 16V	SMD_B	AVX-TAJB226K016RNJ
2	1	C5	0.1uF 25V	0805	Kemet C0805C104K3RAC
3	16	C16,C17,C18,C19,C20,C22, C23,C24,C25,C26,C28,C29, C32,C34,C36,C37	0.1uF 10V	0402	Panasonic ECJ-0EB1A104K
4	DNP 1	C21	4.7uF 6.3V	0603	Panasonic ECJ-1VB0J475M
5	1	C27	4.7uF 6.3V	0603	Panasonic ECJ-1VB0J475M
6	8	C30,C33,C35,C39,C40,C43, C62,C63	0.1uF 16V	0603	Kemet C0603C104K4RACTU
7	1	C31	1.0uF 6.3V	0402	Kemet C0402C105K9PACTU
8	3	C38,C60,C64	1.0uF 16V	0603	Kemet C0603C105K4PACTU
9	DNP 2	C41,C42	1.0uF 6.3V	0402	Kemet C0402C105K9PACTU
10	4	C44,C46,C48,C50	150uF 10V	SMD_RAD_E	Panasonic EEEFK1A151P
11	1	C52	0.022uF 50V	0805	Kemet C0805C223K5RACTU
12	DNP 4	C53,C54,C55,C56	15pF 50V	0402	Panasonic ECJ-0EC1H150J
13	2	C58,C59	33pF 50V	0402	Kemet C0402C330J5GACTU
14	DNP 1	C61	0.01uF 50V	0603	Murata GRM188R71H103KA01J
15	DNP 5	D1,D2,D3,D4,D5	BGX50AINCT-ND	SOT-143	Infineon Tech - BGX50A
16	3	FB1,FB2,FB3	2.0 Amp/0.05 DCR	0603	Murata - BLM18PG121SN1D
17	DNP 4	FB4,FB9,FB11,FB12	2.0 Amp/0.05 DCR	0603	Murata - BLM18PG121SN1D
18	DNP 5	FB6,FB7,FB8,FB10,FB13	2.0 Amp/0.05 DCR	MURATA_DLW21S	Murata - DLW21SN900SQ2L
19	1	F1	3A	SMT	Littelfuse-154003
20	4	JP1,JP9,JP22,JP27	1x3	HEADER_1x3	Adam Tech PH1-03-U-A
21	1	J15	1x10	HEADER_1X10	ADAM-PH1-10-U-A
22	1	J16	1x6	HEADER_1x6	Adam Tech PH1-6-U-A
23	6	LED3,LED4,LED5,LED6,LED7 LED8	LED - Green	LED_0805	Lite-On LTST-C170GKT
24	1	P1	Connector - Power Supply	THRU-HOLE CUSTOM	CUI - PJ-102AH
25	1	P3	USB Type-B Right Angle	THRU-HOLE CUSTOM	AMP - 292304-1
26	4	P4,P5,P6,P7	USB Type-A RA	THRU-HOLE CUSTOM	FCI 87520-0010BLF
27	1	Q1	IRF7424PBF	SOIC-8	Int. Rectifier - IRF7424PBF
28	1	R7	100K	0603	Rohm-MCR03EZPFX1003
29	8	R9,R22,R76,R78,R162,R163, R164,R165	10.0K	0603	Rohm-MCR03EZPFX1002
30	1	R10	402	0603	Rohm-MCR03EZPFX4020
31	4	R23,R24,R26,R27	511	0603	Rohm-MCR03EZPFX5110
32	2	R39,R56	0	0805	Rohm-MCR10EZHJ000
33	1	R40	825	0603	Rohm-MCR03EZPFX8250
34	1	R41	39.2K	0603	Rohm-MCR03EZPFX3922
35	1	R42	10.0K	0402	Rohm-MCR01MZPF1002
36	1	R43	61.9K	0603	Rohm-MCR03EZPFX6192
37	4	R44,R55,R66,R72	332	0603	Rohm-MCR03EZPFX3320
38	1	R46	12.0K	0603	Yageo-RC0603JR-0712KL
39	1	R52	12.4K	0603	Rohm-MCR03EZPFX1242
40	1	R57	0	0402	Rohm MCR03EZHJ000
41	4	R61,R62,R63,R64	49.9	0402	Rohm-MCR01MZPF49R9
42	1	R65	10	0402	Rohm-MCR01MZPF10R0
43	1	R87	1.00M	0603	Rohm-MCR03EZPFX1004
44	1	R157	0	1210	Vishay CRCW12100000Z0EA
45	4	R158,R159,R160,R161	0	0603	Rohm MCR03EZPJ000
46	1	S1	SPDT_TINY_TOG	SMD	C&K - GT11MSCBETR
47	1	TP2	Test Point-Gold Post	TP_Custom	Mill-Max 3132-0-00-15-00-00-08-0
48	5	TP3,TP4,TP5,TP7,TP8	Test Point-1x1	HEADER_1X1	AdamTech - PH1-01-U-A
49	1	T1	RJ45/LED-Green;Yellow w/ Integrated Magnetics	THRU-HOLE CUSTOM	Pulse - J0011D01BNL



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50	2	U3,U4	MIC2026-1YM	SOIC-8	Micrel - MIC2026-1YM
51	1	U5	93LC66A	SOIC-8	Microchip - 93LC66A/SN
52	1	U6	LAN9514-JZX	QFN64	LAN9514
53	1	VR1	LP38693MP-3.3	SOT223_5	National - LP38693MP-3.3/NOPB
54	1	Y1	25.000MHz	HC49US	Suntsu Freq. SCS20D-25.000MHZ