

**LAN9500 / LAN9500A Customer Evaluation Board
 ASSY 6555**
**REVISED: May 21, 2010
 PCB Revision: B
 Schematic Revision: 1.2**

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	1	C1	0.022uF 50V	0805	Kemet C0805C223K5RACTU
2	2	C2,C26	4700pF 50V	0603	Kemet C0603C472K5RACTU
3	2	C3,C4	1000pF 1KV	0805	Kemet C0805C102KDRACTU
4	2	C5,C6	30pF 50V	0603	Murata GRM1885C1H300JA01D
5	8	C7,C8,C9,C13,C14,C17,C18,C22	0.1uF 16V	0402	Panasonic ECJ-0EX1C104K
6	6	C10,C12,C19,C20,C23,C24	4700pF 25V	0402	Kemet C0402C472K3RACTU
7	3	C11,C21,C28	1500pF 50V	0402	Kemet C0402C152K5RACTU
8	3	C15,C16,C27	1.0uF 16V	0603	Kemet C0603C105K4PACTU
9	1	C25	4.7uF 16V	0805	Panasonic ECJ-2FB1C475K
10	4	FB1,FB2,FB3,FB4	0.5A / 120 Ohm / 100MHz	0603	TDK MMZ1608S121A
11	1	J2	RJ45 w/ Green; Yellow LEDS	THRU-HOLE	Amphenol RJHSE-5381
12	DNP 2	LED1,LED2	LED - Blue	0603	Panasonic-SSG LNJ926W8CRA
13	1	P1	USB Type-A RA Plug	THRU-HOLE	Molex 48037-0001
14	4	R1,R2,R3,R5	49.9	0402	Rohm MCR01MZPF49R9
15	3	R4*, R7,R25	0	0402	Rohm MCR01MZPF10R0
16	2	R6*, R8	12.0K	0402	Rohm MCR01MZPF1202
17	4	R9,R10,R11,R12	75.0	0402	Rohm MCR01MZPF75R0
18	2	R13,R22	10M	0402	Vishay CRCW040210M0JNED
19	DNP 1	R18	10.0K	0402	Rohm MCR01MZPF1002
20	DNP 1	R23	309	0402	Rohm MCR01MZPF3090
21	1	R24	10.0K	0402	Rohm MCR01MZPF1002
22	DNP 1	R26*	1.00M	0603	Rohm MCR03EZPFX1004
23	3	R28,R29,R30	309	0402	Rohm MCR01MZPF3090
24	1	TP2	Test Point-Gold Post	THRU-HOLE	Mill-Max 3132-0-00-15-00-00-08-0
25	1	T1	Wurth-Midcom 749 020 102	SMD	Wurth-Midcom 749 020 102 or equivalent
26	1	U1	LAN9500A	QFN56_8x8MM	LAN9500A-ABZJ
27	1	U2	93AA56A-OT	SOT23-6	Microchip 93AA56AT-I/OT
28	DNP 1	U3	STM1815SWX7F	SOT23	ST Micro STM1815SWX7F
29	1	VR1	LP38693MP-3.3/NOPB	SOT223-5	National LP38693MP-3.3/NOPB
30	1	Y1	25.000MHz	HC49US	Suntsu Freq. SCS20D-25.000MHZ

* Note: The LAN9500 & LAN9500A devices are pin compatible; however, some resistor values and population options differ between devices.
 The following resistor values should be used accordingly (default values are for the LAN9500A device):

Device	R4	R6	R26
LAN9500	10.0 Ohm 1%	12.4K Ohm 1%	1.0M Ohm 1%
LAN9500A	0 Ohm	12.0K Ohm 1%	DNP