

LAN7500i Reference Design

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Schematic Revision: 0.82

Bill Of Materials

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Item	Qty	Reference	Part	PCB Footprint	Manufacturer Part #
1	1	C1	0.01uF 25V	0402	Panasonic ECJ-0EB1E103K
2	23	C2,C11,C12,C13,C14,C15, C18,C19,C20,C23,C24,C25, C26,C27,C29,C30,C31,C32, C33,C34,C35,C38,C39	0.1uF 16V	0402	Panasonic ECJ-0EX1C104K
3	DNP 4	C3,C4,C5,C6	0.022uF 50V	0402	Murata GRM155R71H223KA12D
4	2	C7,C8	30pF 50V	0402	Murata GRM1555C1H300JZ01D
5	1	C9	1000pF 2kV	1808	AVX 1808GC102ZAT1A
6	1	C10	1.0uF 16V	0603	Kemet C0603C105K4PACTU
7	1	C16	4.7uF 16V	0805	Panasonic ECJ-2FB1C475K
8	3	C17,C22,C28	10uF 6.3V	0603	Murata GRM188R60J106ME47D
9	1	C21	22pF 50V	0402	Kemet C0402C220J5GACTU
10	2	C36,C37	0.47uF 6.3V	0603	Panasonic ECJ-1VB0J474K
11	6	FB1,FB2,FB3,FB4,FB5,FB6	2.0amp 120 Ohm 100MHZ	0603	Murata BLM18PG121SN1D
12	1	J1	1x5	Head1x5	Adam Tech PH1-5-U-A
13	5	LED1,LED2,LED3,LED4,LED5	Green LED	LED_0805	Lite-On LTST-C170GKT
14	2	L1,L2	2.2uH	1008	Murata LQM2HPN2R2MG0L
15	1	P1	SS-6488S-A-NF	RJ45_MTJ_SHLD_TD	Stewart SS-6488S-A-NF
16	1	P2	USB Type-B Right Angle	AMP_292304-1	AMP 292304-1
17	8	R1,R2,R3,R4,R5,R7,R8,R9	49.9	0603	Rohm MCR03EZPFX49R9
18	3	R6,R12,R33	10.0K	0603	Rohm MCR03EZPFX1002
19	1	R10	8.06K	0603	Rohm MCR03EZPFX8061
20	1	R11	12.0K	0603	Yageo RC0603JR-0712KL
21	4	R14,R15,R16,R17	75.0	0603	Rohm MCR03EZPFX75R0
22	1	R19	0	1210	Vishay CRCW1210000Z0EA
23	3	R20,R22,R23	4.75K	0603	Rohm MCR03EZPFX4751
24	6	R24,R25,R26,R27,R28,R29	332	0603	Rohm MCR03EZPFX3320
25	2	R30,R37	360K	0402	Rohm MCR01MZPF3603
26	4	R31,R34,R40,R41	0	0402	Rohm MCR03EZHZJ000
27	1	R32	49.9K	0603	Rohm MCR03EZPFX4992
28	DNP 1	R35	0	0402	Rohm MCR03EZHZJ000
29	1	R36	348K	0402	Rohm MCR01MZPF3483
30	1	R39	115K	0402	Rohm MCR01MZPF1153
31	1	R42	20.0K	0603	Rohm MCR03EZPFX2002
32	1	T1	TG1G-E012NZRL	HALO_TG1G_S002NZRL	Halo TG1G-E012NZRL
33	1	U1	LAN7500i	QFN56	SMSC LAN7500i-ABZJ
34	1	U2	93AA66A-I/SN	SOIC-8	Microchip 93AA66A-I/SN
35	1	U3	STM6719SFWB6F	SOT23-6	STMicro STM6719SFWB6F
36	1	VR1	TPS62410	SON10_EP	TI TPS62410DRCT
37	1	VR2	LP5900SD-3.3	LLP-6	National LP5900-SD3.3/NOPB
38	1	Y1	25MHZ	HC49US	Suntsu Freq. SCS20D48-25.000MHZ