

AVR ETHERNET I/O SBC - Parts List

Item	Qty	Reference	Description	Part No.
1	1	C1	33uF/25V Electrolytic Cap	Any
2	12	C2,C3,C4,C5,C6,C7,C8, C9,C10,C11,C14,C15	0.1uF/0805 S.M. Cap	Any
3	2	C13,C12	27pF/0805 S.M. Cap	Any
4	4	C16,C17,C18,C19	1uF/25v Electrolytic Cap	Any
5	5	D1,D2,D3,D4,D5	1N4006 Diode	1N4006 (Any)
6	4	D6,D7,D8,D9	5.1v Zener Diode	1N5231B (Any)
7	1	J1	2.1mm Coaxial Power socket	Any
8	1	J2	10-pin Shrouded DIP Header	Any
9	1	J3	Ethernet Jack	LF1S022 (Bothhand)
10	8	J7,J8,J9,J10,J11,J12,J13,J14	2 pos. Screw Terminal	Any (to fit)
11	4	K1,K2,K3,K4	12v DPDT Relay	G5V (Omron) or EA2-12 (NEC)
12	10	LED1,LED4,LED5,LED6,LED7, LED9,LED10,LED11,LED12	3mm Red LED	Any
13	1	LED2	3mm Yellow LED	Any
14	1	LED3	3mm Green LED	Any
15	1	P1	9 pin Female PCB mount D-connector	Any
16	4	Q1,Q2,Q3,Q4	2N2222A /TO-92	Any
17	12	R1,R4,R5,R6,R10,R11,R12, R13,R14,R15,R16,R17	1K/ 0805 S.M.	Any
18	10	R2,R3,R22,R23,R24,R25, R26,R27,R28,R29	10K/ 0805 S.M.	Any
19	1	R7	200/0805 S.M.	Any
20	1	R8	100k/0805 S.M.	Any
21	1	R9	22k/0805 S.M.	Any
22	4	R18,R19,R20,R21	2K/0805 S.M.	Any
23	1	S1	PCB mount Reset Pushbutton	Alco FSM2J or Omron B3W-1000
24	1	U1	5v Regulator /TO-220	MC7805CT (Any)
25	1	U2	Microcontroller	ATmega32 (Atmel)
26	1	U3	Ethernet NIC	RTL8019AS (Realtek)
27	1	U4	RS-232 Level Shifter	MAX232E (HIN232)
28	1	U5	8 Bit Latch	MM74HCT573N (Fairchild)
29	1	U6	Serial EEPROM	24LC256-I/SM (Microchip)
30	4	U7,U8,U9,U10	Opto-Isolator	4N25 (Any)
31	1	Y1	7.37MHz Crystal	Any
32	1	Y2	20.0MHz Crystal	Any

33	4	U7-U10 Socket	6 Pin DIP IC Socket	Any
34	1	U4 Socket	16 Pin DIP IC Socket	Any
35	1	U5 Socket	20 Pin DIP IC Socket	Any
36	1	U2 Socket	40 Pin DIP IC Socket	Any