

## Atom Econet Node BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C5	10nF	Ceramic capacitor (0.1")			1
C6	2n2	Ceramic capacitor (0.1")			1
C7,14	10uF/25V	Electrolytic capacitor (0.1" axial)			2
C11,12,13	47n	Ceramic capacitor (0.1")			3
IC1	MC68B54	Advanced Data Link Controller			1
IC2,3	LM319	High speed dual comparator			2
IC4	75159	Dual differential line driver with 3-state outputs			1
IC5	74LS123	Dual monstable multivibrator			1
IC8	81LS95	Octal buffer			1
IC9	74LS132	Quad 2-input NAND schmitt			1
IC10	74LS14	Hex schmitt inverter			1
J1	5-pin	Right angle Molex header	Connection to Econet DIN socket		1
LK0-7	0.1" Header x 8		Econet Node Id		8
PL1	20-way plug	Box header	Connection to Atom SK8		1
Q1	BC239	NPN transistor			1
R1	47K	Resistor pack, 8 bussed		Bourns 4609X-101-473LF (RS 522-4295 or Farnell 9357033)	1
R9,10,11,12	100K 2%	Resistor 250mW			4
R13,15,16,17	56K 2%	Resistor 250mW			4
R14,18,21	1M5	Resistor 250mW			3
R19,20,22,23,34	10K 2%	Resistor 250mW			5
R24,25,26,29	1K0	Resistor 250mW			4
R27	39K	Resistor 250mW			1
R28	1K5	Resistor 250mW			1
IC2,3,4,9	14 pin	DIL socket			4
IC5,7	16 pin	DIL socket			2
IC8	20 pin	DIL socket			1
IC1	28 pin	DIL socket			1
<b>Offboard Parts</b>					
J1	5-pin 180°	DIN socket	Econet socket		1
J1	5-pin header	Molex header	Econet socket		1
J1	5-core	Cable	Econet socket		1
PL1	20-way socket	3M cable socket	Atom SK8 connection		2
PL1	20-way x 25mm	Ribbon cable	Atom SK8 connection		1
	4.8mm x 4mm	Adhesive PCB support	4mm dia hole	ETTINGER 06.21.404 (Farnell 1244194)	4
	250x40x1mm	Foam sheet	for protecting back of PCB		1