

SKPCOMMS Board					BILL OF MATERIALS			Rev. 1.2	DATE	7/8/2003
ITEM NO	DNP	DESCRIPTION	Designators	QTY PER	Mfg	Mfg P/N	Vendor	Vendor P/N	PACKAGE TYPE	
1		Ethernet Controller LAN91C111	U12	1	SMSC	LAN91C111-NE	Nu Horizons	LAN91C911NE	128TQFP	
2		RS232 Driver MAX 202/3232	U14	1	Maxim	MAX202CSE	Arrow	MAX202CSE	SOIC16	
3		LM2595	U15	1	National Semi	LM2595S-ADJ	Digikey	LM2595S-ADJ-ND	TO-263	
4		PCA82C250	U8,9	2	Phillips Semi	PCA82C250TD	Arrow	PCA82C250TD	SO8	
5		256K SRAM	U13		Renesas	HM6216255HCJP-12			44SOJ	
5a		alternate		1	Cypress	CY7C1041B-15VC	Digikey	428-1019-ND		
6		L9673D	U6	1	ST Micro	L9673D				
7		LDO 3.3V fixed	U16	1	Microchip	TC1265-3.3VOA	Digikey	TC1265-3.3VOA-ND	SO8	
8										
9										
10		Resistor 10K Ohm	R2,3,	2	Panasonic	ERJ-8ENF1002V	Digikey	P10.0KFCT-ND	1206	
11		Resistor 10K Ohm	R17	1	Panasonic	ERJ-6GEYJ103V	Digikey	P10KATR	805	
12		Resistor 0 Ohm	R4,12,23	3	Panasonic	ERJ-6GEY00V	Digikey	P0.0ATR	805	
13		Resistor 11K	R1	1	Yageo	9C08052A1102FKHFT	Digikey	311-11.0KCCT-ND	0805	
14		Resistor 30K Ohm	R16	1	Panasonic	ERJ-6GEYJ303V	Digikey	P30KATR-ND	805	
15		Resistor 47K Ohm	R5,6,8,20,21,28,29,34,35	9	Panasonic	ERJ-6GEYJ473V	Digikey	P47KATR	805	
16		Resistor 49.9 Ohm	R7,9	2	Yageo	9C08052A49R9FKHFT	Digikey	311-49.9CTR-ND	805	
17		Resistor 24.9 Ohm	R10,11,31,32	4	Yageo	9C08052A24R9FKHFT	Digikey	311-24.9CTR-ND	805	
18		Resistor 300 Ohm	R14,15	2	Yageo	9C08052A3000JLHFT	Digikey	311-300ATR-ND	805	
19		Resistor 20K Ohm	R22	1	Yageo	9C08052A2002FKHFT	Digikey	311-20.0KCTR-ND	805	
20		Resistor 120 Ohm 1/4W	R24,25	2	Yageo	9C12063A1200JLHFT	Digikey	311-120ECT-ND	1206	
21		Capacitor 2.2uF 16V	C19	1	Panasonic	ECS-T1CY225R	Digikey	PCS3225TR	EIA-A	
22		Capacitor 330 uF 16V	C13	1	Panasonic	EEV-HA1C331UP	Digikey	PCE3214CT-ND	See Drawing	
23		Capacitor 100 uF 35V	C12	1	Panasonic	EEV-FC1V101P	Digikey	PCE3122CT-ND	See Drawing	
24		Capacitor 0.1uF 16V ceramic	C4,5,6,7,8,9,10,11,14,15,16,17,18	13	Panasonic	ECJ-2VB1C104K	Digikey	PCC1812TR	805	
25		Capacitors .01 uF 50V ceramic	C3	1	Panasonic	ECJ-2VB1H103K	Digikey	PCC103BNTR-ND	805	
26		Capacitors 33pF 50V ceramic	C1,2	2	Panasonic	ECJ-2VC1H330J	Digikey	PCC330CGTR	805	
27										
28		Test Jack, Red	TJ3	1	Keystone	5010	Digikey	5010K-ND		
29		Test Jack, Black	TJ4	1	Keystone	5011	Digikey	5011K-ND		
30		Red LED	D1	1	Lumex	SML-LX0603IW-TR	Digikey	67-1548-2-ND	0603	
31		Green LED	D2	1	Lumex	SML-LX0603GW-TR	Digikey	67-1549-2-ND	0603	
32		Diode, Schottky	D3	1	Diodes, Inc	1N5819HW-7	Digikey	1N5819HWDICT-ND	SOD-123	
33		Mosfet N-Channel	Q3	1	Zetex	ZXM61N02FTA	Digikey	ZXM61N02FTR-ND	SOT23	
34		Inductor	L1	1	Talema	SWT-0.54-173	Digikey	TE2095-ND	See Drawing	
35		Crystal 25 MHz	Y1	1	Citizen	HC49US25.000MABJ	Digikey	300-6048-ND	HC49-US	
36										
37										
38		9 Pin D-Sub Female	J15,16	2	Amp	745781-4	Digikey	A2100	9 pin D-sub	
39										
40										
41										
42		RJ45	J7	1	Pulse	J0026D21B	Arrow	J0026D21	See Drawing	
42a										
43		4x2 header	JP1,5	1	Sullins	PTC02DAAN	Digikey	S2012-02-ND		
44		2 Pin Header	JP2,3,8,10,11	5	Waldom	22-03-2021		WM4000	100 MIL	
45	*	8 Pin Header	J10	0	Samtec				100 MIL	
46	*	9 Pin Header	J8	0	Samtec				100 MIL	
47		4 Pin Header	J9,13	2	Molex	39860-0704	Arrow	398600704	100 MIL	
48		Term Block, 4 Pin	for item 47	2	Molex	39860-0104	Arrow	398600104		
49		3 X 2 header	JP12	1	Sullins	PTC03DAAN	Digikey	S2012-03-ND		
50		Power Jack	J14	1	CUI Inc	PJ-102A		CP-102AH-ND	See Drawing	
51		0.1 header shunts	for items 44,43	9	Sullins	SPC02SYAN	Digikey	S9001-ND		
52		2 X25 Socket Strip	J1,2,4,5	2	Samtec	SSW-125-01-T-D				
53										
54		PC Board		1		RDECE16C Rev D				
55										
56										
57										
58		DNP	TJ1,TJ2,TJ5,R18,R19,R30 JP4,7,9,J8,J10							