

Linking Interface Bill of Materials

<u>Designator</u>	<u>Manufacturer P/N</u>	<u>Description/Package Type</u>	<u>Digikey P/N</u>	<u>Manufacturer</u>	<u>Quantity</u>
C1, C7, C8, C10, C17	C0805C104K4RACTU	CAP CER 0.1UF 16V 10% X7R 0805	399-1167-1-ND	Kemet	5
C2, C4, C6, C13, C14, C15, C16	EEE-1EA100WR	CAP ALUM 10UF 25V 20% SMD	PCE3895CT-ND	Panasonic	7
C3	EEE-FC1V1R0R	CAP ALUM 1.0UF 35V 20% SMD	PCE4024CT-ND		1
C5, C18	EEE-1EA4R7SR	CAP ALUM 4.7UF 25V 20% SMD	PCE3910CT-ND		2
C9	EEE-1EA220SP	CAP ALUM 22UF 25V 20% SMD	PCE3899CT-ND		1
C12	C2012X7R1E474K125AA	CAP CER 0.47UF 25V 10% X7R 0805	445-1353-1-ND	Fairchild	1
C11	478-7899-2-ND	CAP CER 100PF 25V 10% X7R 0603	06033C101KAT2A		1
D1, D2	1N4148WS	DIODE GEN PURP 75V 150MA SOD323F	1N4148WSFSCT-ND		2
D3	SB1245	DIODE SCHOTTKY 45V 12A DO201AD	SB1245CT-ND		1
J1, J2, J3, J4, J5	MJ-3523-SMT	CONN AUDIO JACK MONO 3.5MM SMD	CP-3523MJCT-ND	CUI Inc	5
J6, J7	644752-3	CONN HEADER VERT 3POS .156 TIN	A24165-ND	TE Connectivity	2
J8,J9	640445-2	CONN HEADER VERT 2POS .156 TIN	A1971-ND	TE Connectivity	2
P1	190-009-263R001	DB9 Connector	190-09FA-ND	Norcomp	1
Q1, Q2	MMBT4401	TRANS NPN 40V 0.6A SOT23	MMBT4401FSCT-ND	Yageo	2
R1, R4, R10, R13, R15, R16, R18	RC0805FR-0751KL	RES SMD 51K OHM 1% 1/8W 0805	311-51.0KCRCT-ND		7
R2, R5	ERA-6AEB223V	RES SMD 22K OHM 0.1% 1/8W 0805	P22KDACT-ND	Panasonic	2
R19, R17, R14, R12	MCR10ERTF1002	RES SMD 10K OHM 1% 1/8W 0805	RHM10.0KCHCT-ND	Rohm	4
R3, R6, R8	P160KN-0QC20A10K	POT ROTARY 10K OHM 16MM PC PIN	987-1307-ND	TT Electronics	3
R11	RC0805FR-0751KL	RES SMD 7.5K OHM 5% 1/8W 0805	P7.5KACT-ND	Panasonic	1
U1	TL072CDT	IC OPAMP JFET 4MHZ 8SO	497-2200-1-ND	STMicroelectronics	1
U2	74HC04D,653	IC INVERTER HEX TTL/LSTTL 14SOIC	568-1384-1-ND	NXP Semiconductors	1
U3	74HC08D,653	IC GATE AND 4CH 2-INP 14-SO	568-1386-1-ND	NXP Semiconductors	1
U4	74HC175D,652	IC D-TYPE POS TRG SNGL 16SOIC	568-2630-5-ND	NXP Semiconductors	1
U5	LM2936MP-3.3/NOPB	IC REG LDO 3.3V 50MA SOT223	LM2936MP-3.3/NOPBTR-ND	Texas Instruments	1
U6	LM2940IMP-10/NOPB	IC REG LDO 10V 1A SOT223	LM2940IMP-10/NOPBCT-ND	Texas Instruments	1

**Notes**

- 100nF, non-polarized
- 10uF, polarized, aluminum electrolytic
- 1uF
- 4.7uF

- 100pF
- D1N4148

- RX\_ECHOLINK
- 3 Pin Header
- 2Pin Header
- CONNECTOR DB9
- 2N4401
- 51k
- 22k
- 10k
- 10k
- 7.5k
- TL072
- 74HC04
- 74HC08
- 74HC157
- LM2936/SOT