

7 Jan, 2004

OEM BS2 - Rev A

Bill of Materials

Description	Qty	Location	Manufacturer	Manufacturer P/N	Parallax P/N	Digikey P/N	Jameco P/N	Mouser P/N
10K Rnet - 4 Res, 8 Pin, ISO	2.000	RN1, RN2	CTS	770-83-R-10K	151-01032	770-83-R-10K-ND	<Not Available>	71-CSC06A03-10K
4.7K 1/8W 5% Resistor	2.000	R1, R2	YAGEO	4.7KEBK	150-04721	4.7KEBK-ND	29911	2994.7K
10K 1/8W 5% Resistor	1.000	R3	YAGEO	10KEBK	150-01030	10KEBK-ND	<Not Available>	<Not Available>
10uF 16V Radial Elect. Cap	1.000	C1	Panasonic	ECE-A1CKA100	201-01061	P807-ND	94211	140-XRL16V10
.1uF 50V Radial Ceramic cap	2.000	C2, C3	Panasonic	ECU-S1H104KBB	200-01040	P4923-ND	25523	21RZ310
2N3904 Transistor	2.000	Q1, Q2	Fairchild	2N3904	500-00001	2N3904-ND	38359	625-2N3904
2N3906 Transistor	1.000	Q3	Fairchild	2N3906	500-00003	2N3906-ND	38375	625-2N3906
DIP Socket 28-pin	1.000	U1	Amp?	2-641605-1	450-02805	AE8928-ND	112272	535-28-6518-10
DIP Socket 8-pin	1.000	U2	Amp?	2-640463-1	450-00801	AE8908-ND	112205	535-08-3518-10
PBASIC2C/P	1.000	U1	Parallax	PBASIC2/P	PBASIC2/P	<Not Available>	<Not Available>	<Not Available>
24LC16B	1.000	U2	Microchip	24LC16B/P	602-00001	24LC16B/P-ND	<Not Available>	511-M24C16-WBN6
Voltage Detector (4.2VDC)	1.000	U3	Microchip	TC54VC4302EZB	603-00002	<Not Available>	<Not Available>	TC54VC4302EZB-ND
20 MHz ceramic resonator	1.000	XTAL	CST	CST20.00MXW040	250-02060	X909-ND	<Not Available>	520-ZTT2000MX
LM2940-5.0 (TO-220)	1.000	VR1	National	LM2940T-5.0	601-00506	LM2940CT-5.0-ND	107182	511-L78S05CV
DB9 pcb mount RA	1.000	J1	Component Ctr	DR3-9FP	452-00005	A2100-ND	104951	571-7478444
20-pin RA SIP header	1.000	X1	Component Ctr	2340-5111TG	451-02002	S1112-36-ND	103270	517-5111TN

Notes: Parallax part numbers represent the exact parts specified and used in the OEM BS2. Other parts numbers represent the closest match if the supplier does not carry the actual part specified in this bill of materials. Since the ceramic resonator is the most likely component to differ significantly, **we recommend that you purchase the resonators directly from Parallax.**

Parallax, Inc
Digikey Corp.

(916) 624-8333 www.parallaxinc.com
(800) 344-4539 www.digikey.com

Jameco (800) 831-4242
Mouser (800) 346-6837

www.jameco.com
www.mouser.com