

Parts List		PUCK - Non-Isolated					Copyright © 2004 MBARI
		Monterey Bay Aquarium Research Institute 7700 Sandholdt Rd. Moss Landing, CA 95039-9644			Drawn by: Lance McBride		All information herein is considered proprietary and may not be copied, duplicated, or transmitted without the express permission of Monterey Bay Aquarium Research Institute
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Item Number	Quantity	Datasheet	Manufacturer	Part Number	Value	Description	Part Reference
1	3		Vishay/Dale	CRCW08054K75FKTA	4.751k	Resistor, Thick Film 4.75k 1% 1/10W	R4 R6 R12
2	1		Yageo	9C12063A1200FKHFT	120 1/4W 1%	Resistor, Thick Film 120 1% 1/4W (1206)	R5
3	1		Panasonic	EXB-38V472JV	EXB-38V472JV	Resistor, Network Isolated 4.7k, 5%, 1/16W	RN1
4	1		AVX	TAJC105K050R	1uF	Capacitor, Tantalum SMT 1.0uF 50V 10%	C1
5	1		Kemet	T491A155K016AS	1.5uF	Capacitor, Tantalum SMT 1.5uF 16V 10%	C2
6	5		Kemet	C0805C104Z5VACTU	0.1uF	Capacitor, Ceramic 0.1uF 50V Y5V	C4 C6 C7 C13 C15
7	4		Kemet	T494B106M010AS	10uF	Capacitor, Tantalum SMT 10uF 10V 20%	C5 C8 C11 C12
8	2		Kemet	C0805C150K5GACTU	15pF	Capacitor, Ceramic 15pF 50V 10% COG	C9 C10
9	5		Vishay/Vitramon	VJ1206U224MXAMT	0.22uF	Capacitor, Ceramic 0.22uF 50V 20%	C21 C22 C23 C24 C25
10	1		Amp	miniSMDC020	miniSMDC020	Fuse, resettable 200mA 30V	F1
11	1		Amp	102203-3	102203-3	Header, right angle, 0.100" 1x6-pin shrouded with detent	J1
12	1		MBARI STOCK	n/a	1x9 0.1" HEADER	Header, 0.100" Header 1x9-pin	J2
13	1		3M	2514-6002UB	2514-6002	Header, 0.100" shrouded header 2x7 14-pin straight	J3
14	1		MBARI STOCK	n/a	JUMPER	Header, 0.100" Header 1x2-pin	J4
15	1		Aromat	TF2-12V	TF2-12V	Relay, DPDT 12V 6.5mA	K1
16	8		MBARI STOCK	MBARI STOCK	TEST POINT	Header, 0.100" 1-pin	TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16
17	1		AVX	PBRC-7.37GR	PBRC-7.37AR	Resonator, Ceramic 7.37MHz (no internal caps)	Y1
18	4		On Semiconductor	MMBZ15VDLT1	MMBZ15DLT1	Diode, Zener Transient Voltage Suppressor (12-15V)	D2 D3 D4 D5
19	1		General Semiconductor	1.5SMC18A	1.5SMC18A	TRANSORB, TVS 18V-100A	D6
20	1		Diodes, Inc.	1N4148W-7	1N4148	Diode, Switching 75V 400mW	D7
21	1		International Rectifier	IRLML2803	IRLML2803	Transistor, MOSFET N-channel	Q1
22	1		Texas Instruments	MSP430F149IPM	MSP430F149IPM	IC, Microcontroller, Ultra Low Power	U3
23	1		Atmel	AT45DB081B-RC	AT45DB081B-RC	IC, Memory, Flash 2Mx16 1Mbit	U4
24	1		Maxim	MAX3226EEAE	MAX3226E	IC, RS232 Transceiver	U5
25	1		Maxim	MAX3471CUA	MAX3471CUA	IC, RS485 Transceiver	U12
26	1		Linear Technology	LT1521CST-3.3	LT1521CST-3.3	IC, Linear Regulator 3.3V	U14