RF MODEM INTERFACE BOARD FOR LOBO MOORING. Revised: September 27, 2004
1002177 Revision: B
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Item	Quantity	Reference	Part	Value	Tol	Rating	Type	Manufacturer	Part Number	Supplier	
1	1	C10	33uF,,6.3V,AO	33uF	+/-20%	6.3VDC	Aluminum Organic, Ultra-Low ESR	Kemet	A700V336M006AT	Digi-Key	800-344-4539
2	3	C1,C9,C17	33uF,,10V,AO	33uF	+/-20%	10VDC	Aluminum Organic, Ultra-Low ESR	Kemet	A700V336M010AT	Digi-Key	800-344-4539
3	1	C2	33uF,,35V,TANT	33uF	+/-10%	35VDC	Solid Tantalum, Axial	Kemet	T322E336K035AS	Digi-Key	800-344-4539
4	12	C3,C4,C5,C6,C11,C12,C13, C14,C15,C16,C18,C19	0.1,,,	0.10uF	+/-10%	25VDC	Monolithic Ceramic Cap, X7R Dielectric	Panasonic	ECJ3VB1E104K	Digi-Key	800-344-4539
5	3	JP1,JP2,JP3	JUMPER,,,	-	-	-	20AWG Metal Bus Wire				
6	2	RP2,RP1	1Mx9,,,	1 M	2%	-	SIP Network, 1 common pin	Bourns	4310R-1-105	Digi-Key	800-344-4539
7	4	D3,D4,D5,D6	MBR0520,,,	-	-	20V/.5A	Schottky Diode	Fairchild	MBR0520L	Digi-Key	800-344-4539
8	1	D1	LED_RED,,,	-	-	60mW	Red LED, SMD	Panasonic	LN1261C	Digi-Key	800-344-4539
9	1	D2	LED_GREEN,,,	-	-	60mW	Green LED, SMD	Panasonic	LN1361C	Digi-Key	800-344-4539
10	1	Z1	1.5KE20A,,,	20VDC	5%	1.5kW pk	Transient Voltage Supressor	General Semi	1.5KE20A	Digi-Key	800-344-4539
11	6	Q1,Q2,Q3,Q4,Q5,Q6	2N7002,,,	2N7002	-	+60VDC	N-Channel, Id .5A, Rds 7.5 Ohm, SOT-23	Fairchild	2N7002	Digi-Key	800-344-4539
12	2	U8,U9	74LVC1G07,,,	74LVC1G07	-	-	Single Open Drain Buffer, 5 Pin SOT-23	TI	SN74LVC1G07DBVR	Digi-Key	800-344-4539
13	1	U4	PCA9535PW,,,	PCA9535PW	-	-	16Bit GPIO with I2C interface, TSSOP	Phillips	PCA9535PW	Arrow	408-727-2500
14	1	U3	P82B96TD,,,	P82B96TD	-	-	Dual bi-directional I2C bus buffer, SO8	Phillips	P82B96TD	Arrow	408-727-2500
15	1	U5	DS1816A,,,	DS1816A	5%	3.3V	3.3V Econo Reset w/ open drain, SOT-23	Dallas Semi	DS1816R-5-U	Digi-Key	800-344-4539
16	3	U10,U11,U12	ADUM1201AR,,,	ADuM1201	-	1Mbps	Dual-Channel Digital Isolator, SOIC	Analog Devices	ADuM1201AR		
17	1	U1	MAX3232E,,,	MAX3232E	-	1Mbps	RS232 Self-Powered Dual Xceiver, SSOP	Maxim	MAX3232ECAE	Arrow	408-727-2500
18	2	K1,K2	RELAY_4PDT,,,	4PDT	-	5VDC	High Sensitivity Minature Relay	Aromat	DS4E-SL2-DC5V	Digi-Key	800-344-4539
19	1	J3	AMPMODU_3,,,	3 Pin	-	-	1 Row Right Angle Detent Latch Header	AMP	103361-1	Digi-Key	800-344-4539
20	1	J2	AMPLATCH_10,,,	10 Pin	-	-	2 Row Right Angle Latching Header	AMP	102322-2	Digi-Key	800-344-4539
21	1	J1	AMPLATCH_14,,,	14 Pin	-	-	2 Row Right Angle Latching Header	AMP	102322-1	Digi-Key	800-344-4539
22	1	J4	SAMTEC_16,,,	16 Pin	-	-	2 Low Profile Surface Mounted Header	Samtec	FTSH-108-01-L-DV-K	Samtec	812-944-6733
23	1	U2	AA05E-012L-050S,,,	5VDC	-	5W	Isolated DC/DC, Reg +5VDC Output	Astec	AA05E-012L-050S	Digi-Key	800-344-4539
24	1	U7	LT1129-3.3,,,	LTC1129-3.3	-	-	Micropower Low Dropout Requlator, SOT	Linear	LT1129CST-3.3	Digi-Key	800-344-4539
25	1	U6	LT1129-5,,,	LTC1129-5	-	-	Micropower Low Dropout Requlator, SOT	Linear	LT1129CST-5	Digi-Key	800-344-4539
26	1	L1	FB20010-3B,,,	FB20010-3B	+/-25%	-	Wide-Band Choke, Axial	JW Miller	FB20010-3B	Digi-Key	800-344-4539
27	2	C7,C8	33pF,,,				WARNING: Part is not in INCLUDE file				
28	3	P1,P2,P3	PAD,,,				WARNING: Part is not in INCLUDE file				
29	1	R1	10k,,,				WARNING: Part is not in INCLUDE file				
30	2	R2,R3	100,,,				WARNING: Part is not in INCLUDE file				
31	2	R4,R5	420,,,				WARNING: Part is not in INCLUDE file				
32	6	R6,R7,R8,R9,R10,R11	2k,,,				WARNING: Part is not in INCLUDE file				