

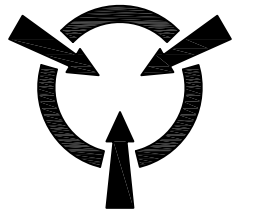
NOTES:

1. ELECTROSTATIC DISCHARGE CONTROL FOR ELECTRONIC PARTS
PER STANDARD PROCEDURE QL2-060 AND/OR QY3-540.
2. WHERE APPLICABLE, UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCES ARE IN OHMS
ALL CAPACITANCES ARE IN FARADS
ALL VOLTAGES ARE DC

REVISIONS	
REV	DESCRIPTION
A	PROTOTYPE
B	FLIGHT RELEASE

1 INCH	18		AA595511-S30S1B	J9 OR J10	BARE COPPER WIRE	30 AWG	ELEKTRISOLA	
1	17		891-009-9SS-BRT1J	J7	9 PIN CONNECTOR	NANOMINIATURE	GLENAIR	
1	16		135-3711-201	J6	MMCX JACK RECEPTACLE	1 PIN	JOHNSON COMPONENTS	
5	15		8579-0-15-15-21-35-10-0	J1,J2,J3,J4,J5	SOCKET, RECEPTACLE		MILL-MAX	
1	14		311P18-07S7R6	R9	THERMISTOR	10 KΩ		
1	13		MCH0603H1005FB	R8	RESISTOR	10 MΩ/400V	CASE SIZE 0603 OHMCRAFT	
1	12		M55342K01B	R7	RESISTOR	50 Ω/40V	CASE SIZE 0502	OMIT
1	11		M55342K01B	R6	RESISTOR	130 KΩ/40V	CASE SIZE 0502	
1	10		M55342K01B10E0R	R5	RESISTOR	10.0 KΩ/40V	CASE SIZE 0502	
1	9		M55342K01B3E32R	R4	RESISTOR	3.32 KΩ/40V	CASE SIZE 0502	
2	8		MCH0603H1004FB	R2,R3	RESISTOR	1 MΩ/400V	CASE SIZE 0603 OHMCRAFT	
1	7		MCH0603H2205FB	R1	RESISTOR	22 MΩ/400V	CASE SIZE 0603 OHMCRAFT	
3	6		CDR12BP0R2ABUS	C8,C9,C10	CAPACITOR	0.2 pF/50V	CASE SIZE 0505	
1	5		CDR12BP10RABUS	C7	CAPACITOR	1 pF/50V	CASE SIZE 0505	
3	4		0805C102J501YHTMHK	C4,C5,C6	CAPACITOR	1 nF/500V	CASE SIZE 0805 NOVACAP	
1	3		0805C472J501YHTMHK	C3	CAPACITOR	4.7 nF/500V	CASE SIZE 0805 NOVACAP	
2	2		HR0603X7R223K2NT96	C1-C2	CAPACITOR	22 nF/50V	CASE SIZE 0603 PRESIDIO	
1	1		PI10968-ENERGY4M	U1	IC DIE, ENERGY 4M	ASIC DIE	JHUAPL	
QTY/ASSY	ITEM NO.	DWG SIZE	PART OR IDENTIFYING NUMBER	CIRCUIT SYMBOL OR ZONE	NOMENCLATURE OR DESCRIPTION	VALUE	REFERENCE SPECIFICATION	REMARKS

PARTS LIST



CAUTION!
ESD SENSITIVE

PRELIMINARY
JOHN LEHTONEN
10/28/2014

7464-1352	A	7464-1350	1	7464	
PART NUMBER	SIZE	NEXT ASSEMBLY	QTY/NA	USED ON	

UNLESS OTHERWISE SPECIFIED		THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY JOHNS HOPKINS ROAD LAUREL, MD 20723			
DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS XX = ±.03 XXX = ±.010 ANGULAR ± 1/2°		ELECTRICAL_PARTS_LIST ENERGY_BOARD EPI_LO			
DIM. & TOL PER ANSI Y14.5		CAGE NO.	SIZE	DWG NO.	REV
BREAK SHARP EDGES REMOVE ALL BURRS		88898	A	7464-1352	B
		SCALE	N/A	DO NOT SCALE PRINT	SHEET 1 OF 1