

NOTES:

1. MATERIAL: FR4 MATERIAL PER IPC-4101/24. MATERIAL THICKNESS TO .050" +/- .005"

2. THIS PRINTED WIRING BOARD MUST MEET THE REQUIREMENTS OF MIL-PRF-55110. SEE HOLE SCHEDULE FOR HOLES TO BE REPRESENTED ON COMPLIANCE COUPON. PAD DIMENSIONS SHOWN REFLECT SIZES USED IN PWB AND SHALL BE REPLICATED IN COUPON.

3. THIS FILE IS USED TO MANUFACTURE PWB: 7464-1324B_DXF.dxf
SEE LAYER DETAIL FOR BOARD CONSTRUCTION.

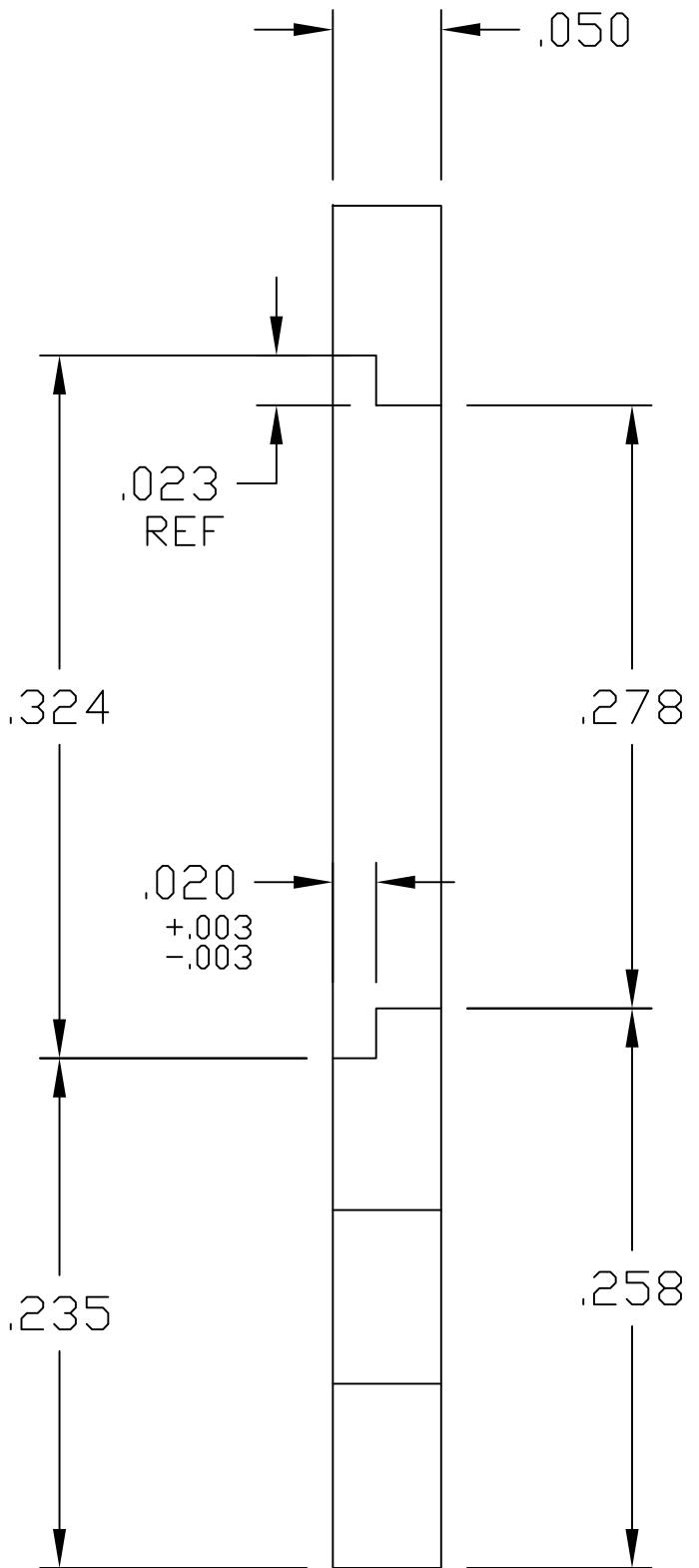
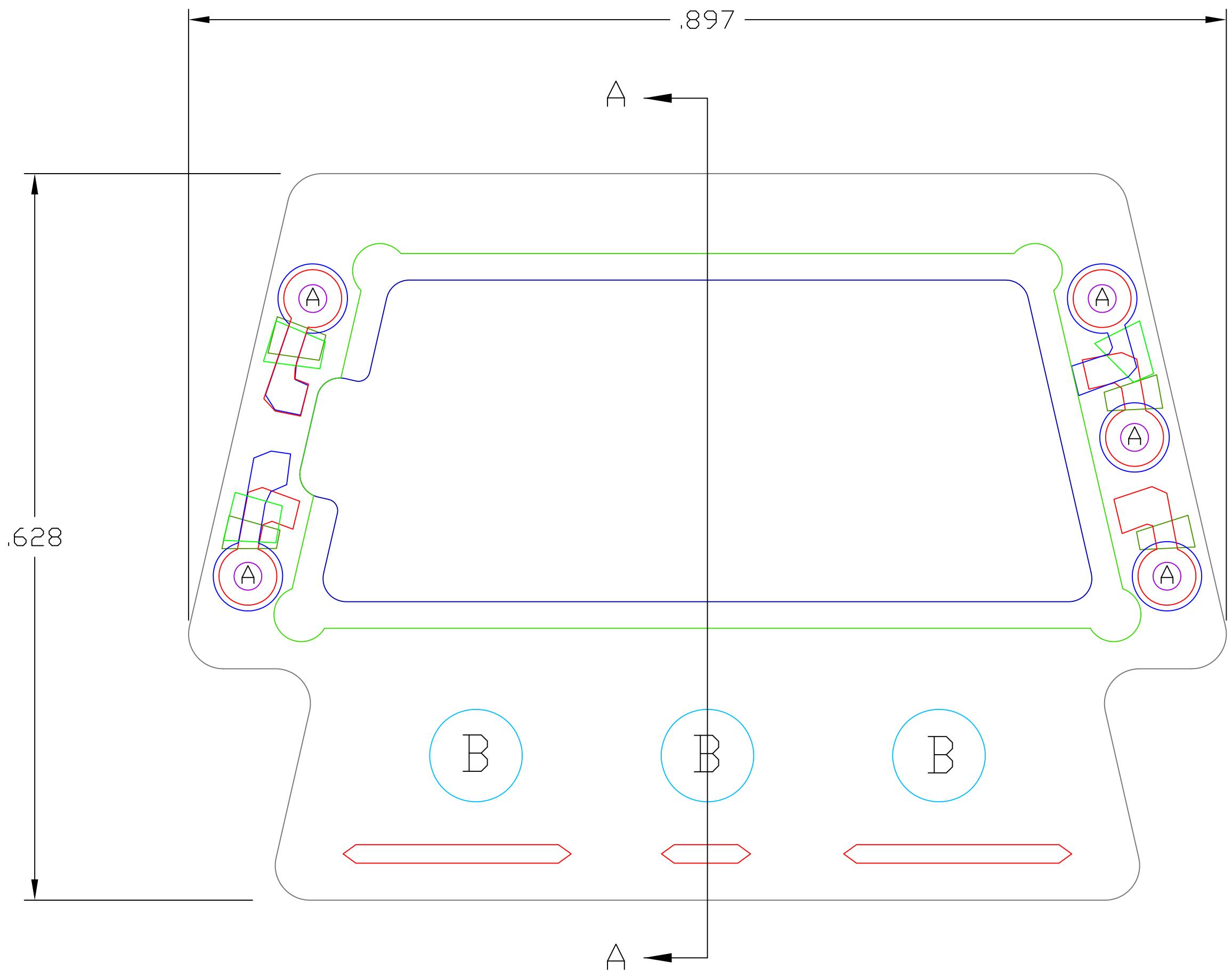
4. APPLY LPI SOLDERMASK OVER COPPER, COLOR GREEN USING DATA AS SUPPLIED IN NOTE 3.

5. ALL EXPOSED CONDUCTORS AND LANDS SHALL BE COATED WITH (ENIG) ELECTROLESS NICKEL AND IMMERSION GOLD PLATING PER IPC-4552, CLASS 3. NICKEL THICKNESS SHALL BE A MINIMUM OF 120 MICROINCHES AND GOLD THICKNESS SHALL BE 2 TO 10 MICROINCHES.

6. IDENTIFY THE BOARD WITH THE DRAWING NUMBER, REVISION OF THIS DRAWING, DATE CODE, AND SERIAL NUMBER USING BAG AND TAG METHOD.

7. THE MINIMUM ACCEPTABLE TRACE TO EDGE SPACING SHALL BE .003" TO ACHIEVE THE REQUIRED GEOMETRIC FACTOR OF THE INSTRUMENT.

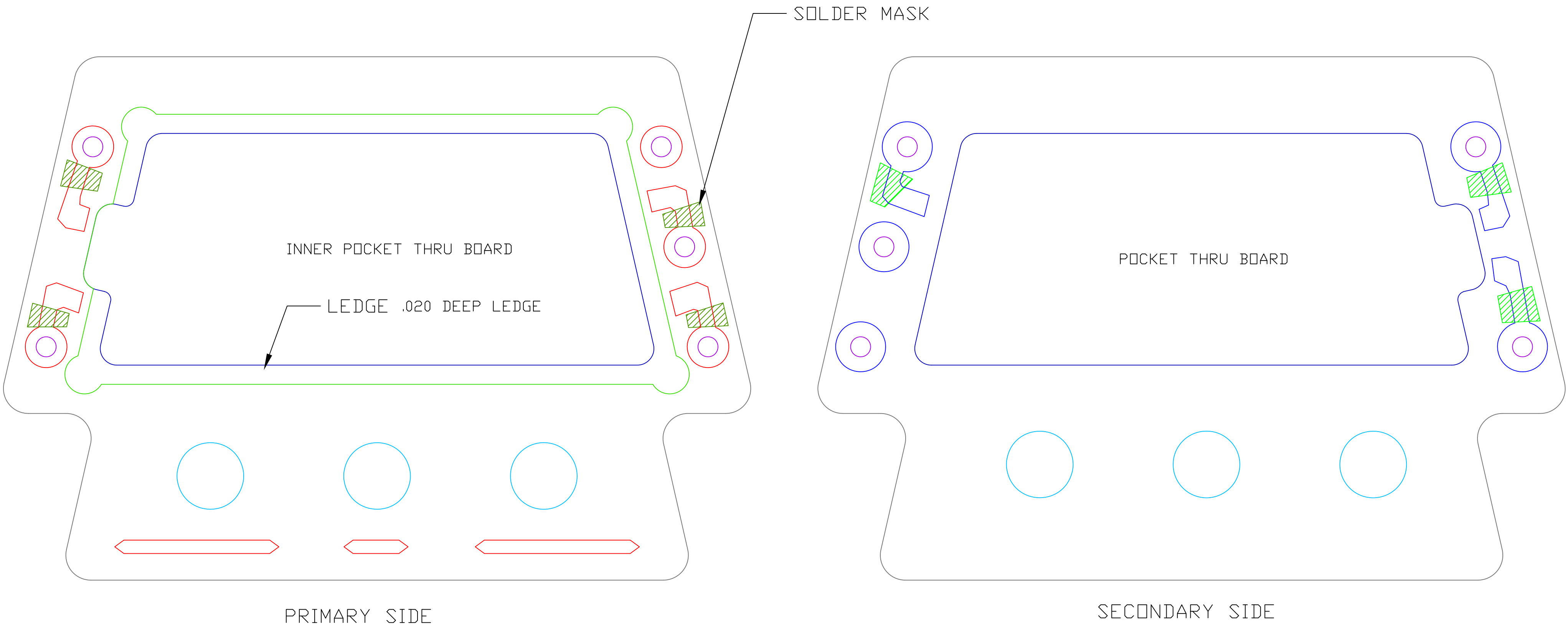
REVISIONS	
REV	DESCRIPTION
A	PROTOTYPE
B	FLIGHT RELEASE



SECTION A-A
EDGE VIEW

COMPOSITE VIEW

7464-1324 REV B HOLE SCHEDULE 2					
HOLE SYMBOL	HOLE SIZE	COUNT	PLATED	PAD SIZE ON COUPON	COUPON TYPE
A	.024 ^{+0.003} _{-.003}	5	YES	.050 PRIMARY .060 SECONDARY	A & B
B	.080 ^{+0.007} _{-.007}	3	NO	N/A	N/A



PRIMARY SIDE

SECONDARY SIDE

LAYER DETAIL CHART 3

LAYER NAME	FINISHED CU WT. (OZ.)
L1- PRIMARY SIDE	1 MIN
L2- SECONDARY SIDE	1 MIN
PRIMARY SIDE SOLDERMASK	
SECONDARY SIDE SOLDERMASK	

PRELIMINARY DRAWING
FOR ENGINEERING USE ONLY
JOHN LEHTONEN
10/01/2014

UNLESS OTHERWISE SPECIFIED	THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY JOHNS HOPKINS ROAD LAUREL, MD 20723			
	PRINTED_WIRING_BOARD SSD_CARRIER_BOARD EPI-LO			
DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS XXX = +/- .005	CAGE NO. 88898	SIZE B	DWG NO. 7464-1324	REV B
DIM. & TOL PER ANSI Y14.5 BREAK SHARP EDGES REMOVE ALL BURRS	SCALE N/A	DO NOT SCALE PRINT		SHEET 1 OF 1
CAD SYSTEM IDENT AUTOCAD	APL PART/DWG IDENT 7464-1324.DWG			

THIS DOCUMENT CONTAINS INFORMATION THAT IS SUBJECT TO THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR pt. 120 et seq.) OR THE EXPORT ADMINISTRATION REGULATIONS (15 CFR pt. 730 et seq.).
EXPORT, INCLUDING DISCLOSURE TO FOREIGN PERSONS IN THE UNITED STATES, WITHOUT PRIOR AUTHORIZATION, IS PROHIBITED.