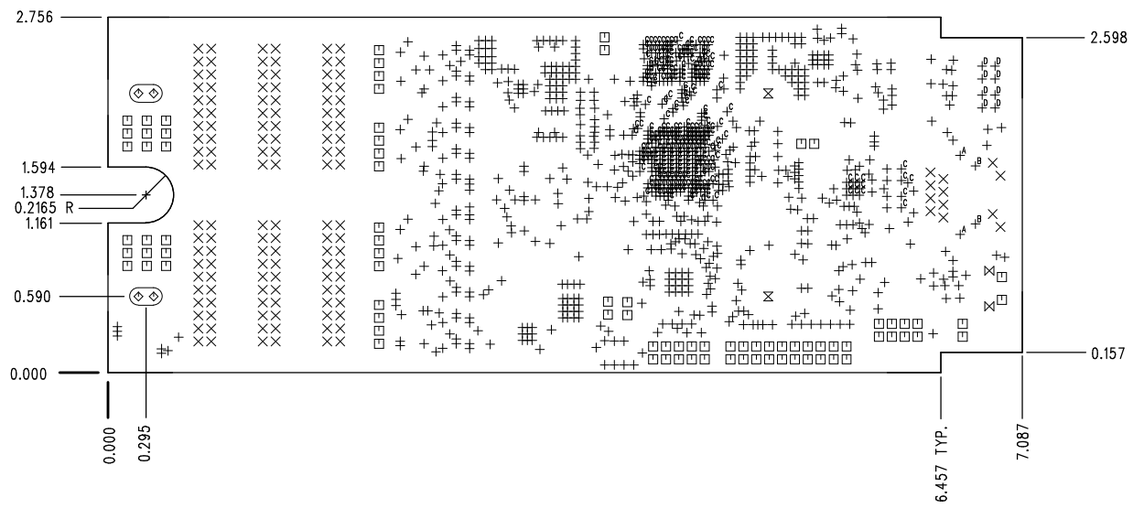
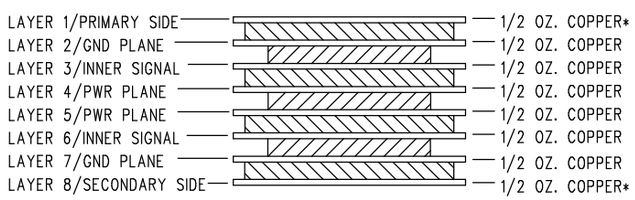
REVISIONS				
REV	DESCRIPTION	DATE	BY	APP



OVERALL THICKNESS 0.072 +/-.007



*PRIOR TO PLATING

LAYER STACKUP

SCALE: NONE

SIZE	QTY	SYM	PLATED	TOL
13	674	+	YES	+0.000/-0.013
35	132	×	YES	+/-0.003
40	84	□	YES	+/-0.003
138 x 256	2	◇	YES	+/-0.003
138	2	⧖	YES	+/-0.003
51	2	⋈	YES	+/-0.003
59	2	+A	YES	+/-0.003
128	2	+B	NO	+/-0.002
10	304	+C	YES	+/-0.003
43	8	+D	YES	+/-0.003

NOTES

1. LATEST VERSION OF ALL REFERENCED SPECIFICATIONS TO BE USED UNLESS OTHERWISE SPECIFIED.
2. FABRICATE IN ACCORDANCE WITH IPC-6012B, CLASS 2 UNLESS OTHERWISE SPECIFIED.
3. INSPECT IN ACCORDANCE WITH IPC-6012B, CLASS 2 UNLESS OTHERWISE SPECIFIED.
4. MATERIAL:
   HIGH TEMP FR4 (OR EQUIVALENT FOR ROHS COMPLIANCE).
   FLAME RETARDENT, IN ACCORDANCE WITH UL STANDARD 796.
   FINISHED BOARD MUST MEET UL94V-0.
5. SILKSCREEN NOMENCLATURE NOT TO COVER ANY PORTION OF A COMPONENT PAD. FABRICATOR TO CLIP ANY NON-CONFORMING SILKSCREEN NOMENCLATURE. DO NOT REMOVE SILKSCREEN FROM TENTED VIAS. USE WHITE NON-CONDUCTIVE INK.
6. UL LOGO AND DATE CODE & VENDOR CODE MUST APPEAR IN ETCH ON PRIMARY SIDE. SECONDARY SIDE IS ACCEPTABLE IF THERE IS NO ROOM ON PRIMARY SIDE. MARKING MUST BE KEPT A MINIMUM OF 0.200" FROM ANY DESIGN FEATURE.
7. USE LPI RED SOLDER MASK OVER BARE COPPER PER IPC-SM-840C, CLASS 2.
8. GLOBAL AND LOCAL FIDUCIALS MUST BE FREE OF ANY MARKINGS.
9. FULL NETLIST TESTING REQUIRED UNLESS OTHERWISE SPECIFIED. TESTING SHOULD CONFORM TO IPC-9252.
10. REMOVAL OF NON-FUNCTIONAL PADS ON INNER LAYERS ALLOWED.
11. THIEVING ON OUTER LAYERS IS NOT ALLOWED UNLESS EXPLICITLY AUTHORIZED.
12. PRIOR TO BOARD FABRICATION, COMPARE GERBER DATA TO SUPPLIED IPC-D-356A NETLIST. REPORT ALL DISCREPANCIES.
13. ALL EXPOSED COPPER TO BE IMMERSION GOLD PLATED. 2 TO 5 MICROINCHES OVER 100 MICROINCHES MINIMUM OF ELECTROLESS NICKEL.
14. VIAS UNDER BGA(S) TO BE MASKED OVER, UNLESS OTHERWISE SPECIFIED.
15. BOARD TO BE ROHS COMPLIANT.
16. STACKUP AND CONTROLLED IMPEDANCE REQUIREMENTS PER STACKUP DOCUMENTATION CC1B_STK-R1.XLS

DRAWN: OTEC DATE: 08-01-18
CHECKED: DATE:
CHECKED: DATE:

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES AND APPLY AFTER PROCESSING TOLERANCES

TOLERANCES
.X = +/- .1 .XXX = +/- .005
.XX = +/- .01 ANGLES = +/- 2

REMOVE ALL BURRS AND SHARP EDGES

ORCHID TECHNOLOGIES ENGINEERING & CONSULTING, INC.
147 MAIN ST., MAYNARD MA, 01754

DWG TITLE
CC1B CONTROL BOARD
FABRICATION DRAWING

SIZE B | DWG NO. SC071018 | REV A

SCALE: 1/1 | SHEET 1 OF 1