REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
	01	INITIAL RELEASE	11/17/15	

NOTES:

1. APPLICABLE SPECIFICATIONS AND ORDER OF PRECEDENCE:
   - THE PURCHASE ORDER
   - THIS DRAWING
   - IPC-6010 SERIES, CURRENT REVISION, CLASS 2
   - IPC-A-600 CURRENT REVISION, CLASS 2
   - IPC-7721 CURRENT REVISION, CLASS 2

2. MATERIAL: ROGERS-4350 WITH FR-4. COPPER THICKNESS, DIELECTRIC ARRANGEMENT AND THICKNESS PER REFERENCE STACKUP AND REQUIREMENTS BELOW. FLAMMABILITY RATING UL 94VO REQUIRED.

3. PLATING: ADDITIONAL CU PLATE APPROX 1OZ/SOFT. PLATED THROUGH HOLES AS SHOWN IN CHART REQUIRE 0.001" MINIMUM BARREL PLATING THICKNESS. NOTE VIA SIZES .006, .0085 AND .010 NON-CONDUCTIVE EPOXY FILLED, PLANARIZED AND OVERPLATED WITH CU PER IPC-4761 TYPE VII.

4. SURFACE FINISH: ELECTROLESS NICKEL/IMMERSION GOLD PER IPC-4552. NICKEL THICKNESS 120-240 MICRO-INCHES. GOLD THICKNESS 3-6 MICRO-INCHES.

5. SOLDERMASK: LPI SOLDERMASK SMOBC BOTH SIDES PER IPC-SM-840 CURRENT REVISION CLASS H AND ARTWORKS SUPPLIED. ENSURE SOLDERMASK DOES NOT ENCROACH ON SMD LANDS. COLOR GREEN OR NATURAL ACCEPTABLE, MATTE FINISH.

6. SILKSCREEN: APPLY WHITE, NON-CONDUCTIVE/NON-NUTRIENT EPOXY INK PER ARTWORK SUPPLIED. ENSURE NO LEGEND IS APPLIED OVER SOLDERABLE SURFACES. MARK LOGO, UL RATING AND DATE CODE ON SECONDARY SIDE.

7. ARTWORK: BOARD IS DESIGNED TO NOMINAL 7/7 TECHNOLOGY. VENDOR MAY ADD OR REMOVE NON-FUNCTIONAL CU AS NEEDED PER PROCESS AND/OR BOW/TWIST REQUIREMENTS. NON FUNCTIONAL PADS ON LAYER 2 ARE NOT TO BE REMOVED.

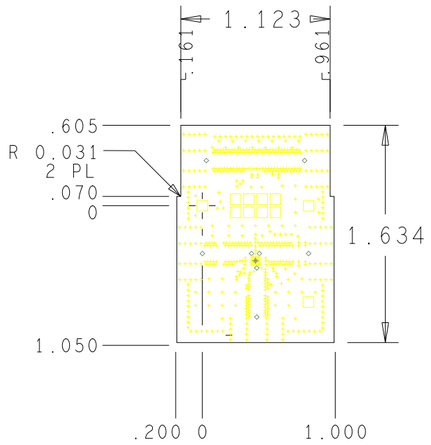
8. NETLIST TEST: VENDOR TO PROVE TOOLED GERBER FILES AGAINST SUPPLIED NETLIST IN IPC-D-356 FORMAT. FINAL PRODUCT TO BE TESTED TRACEABLE TO SAME.

9. SOLDERABILITY: SOLDERABILITY TO BE CONFIRMED PER LOT IAW IPC-650.

10. SERIALIZE BOARDS AS FOLLOWS: "S/N:YYYYMM-###" YEAR,MONTH-NUMBER.

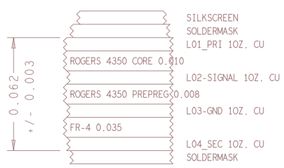
11. IMPEDANCE CONTROL: 0.0085 WIRES ON LAYER 2 ARE 50 OHMS +/- 10%. VENDOR TO ADJUST NOMINAL STACKUP AND/OR LINEWIDTH VALUES TO SUIT PROCESS AND ON-HAND MATERIALS WITHIN OVERALL THICKNESS SPECIFIED. TDR TEST REQUIRED AND RESULTS TO BE DELIVERED.

12. GROUND SHAPES ON LAYERS 1,3 AND 4 ARE INTENTIONALLY EXTENDED TO THE BOARD EDGE 5 PLACES.



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	FINISHED_SIZE	TOLERANCE_DRILL	PLATED	QTY
+	6.0	+3.0/-6.0	PLATED	25 FILLED AND OVERPLATED PER NOTE 3
+	10.0	+2.0/-10.0	PLATED	531
□	40.0	+3.0/-3.0	PLATED	11
		TOTAL HOLES:		567

DRILL CHART: TOP to L02				
ALL UNITS ARE IN MILS				
FIGURE	FINISHED_SIZE	TOLERANCE_DRILL	PLATED	QTY
◇	8.5	+2.0/-8.5	PLATED	8 FILLED AND OVERPLATED PER NOTE 3
		TOTAL HOLES:		8



STACKUP

TOLERANCES UNLESS SPECIFIED
DECIMAL ANGULAR
X%%P.1 %%P1%%D
XX%%P05
XXX%%P030

APPROVALS	DATE
DRAWN FCS	11/19/15
CHECKED	

IDT™
6024 SILVER CREEK VALLEY ROAD. SAN JOSE, CA 95138
PHONE: (408) 284-8200
FAX: (408) 284-3572

TITLE
F2934 EVKIT FABRICATION

SIZE	DRAWING No.	REV
C	F2934	01

DO NOT SCALE DRAWING | SHEET 1 OF 1