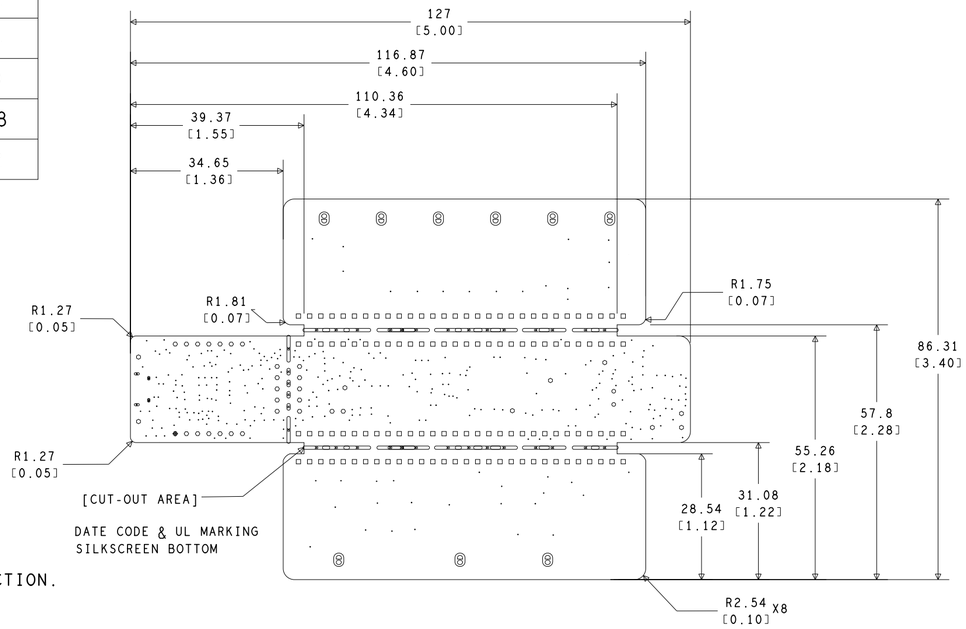
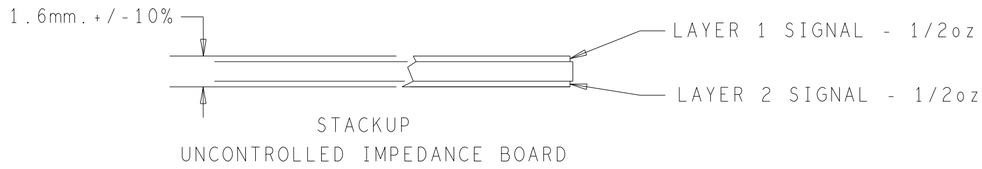
DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	13.8	+2.0/-13.8	PLATED	333
□	39.4	+3.0/-3.0	PLATED	120
○	40.0	+3.0/-3.0	PLATED	26
○	40.2	+3.0/-3.0	PLATED	9
○	35.4	+0.0/-0.0	NON-PLATED	2
▪	33.5x21.7	+3.0/-3.0	PLATED	2
▬	45.3x19.7	+3.0/-3.0	PLATED	2
⊗	60.0x30.0	+2.0/-2.0	NON-PLATED	4
⊗	120.0x90.0	+2.0/-2.0	NON-PLATED	9
⊗	240.0x30.0	+2.0/-2.0	NON-PLATED	28
⊗	240.0x30.0	+2.0/-2.0	NON-PLATED	2



NOTES:(UNLESS OTHERWISE SPECIFIED)

1. RoHS COMPLIANT CERTIFICATION OR MATERIAL DECLARATION REQUIRED.
2. MATERIAL:
   A. IS410 OR EQUIVALENT. MATERIAL MUST CONFORM TO UL94V-0.
   B. USE HTE COPPER, AS SPECIFIED IN THE CROSS SECTION DIAGRAM.
   C. OVERALL METAL TO METAL THICKNESS AS SPECIFIED IN THE CROSS SECTION.
3. DRILLING:
   A. DIAMETERS IN DRILL TABLE ARE FINISHED HOLE SIZES +/-.003 tol. UNLESS OTHERWISE SPECIFIED IN DRILL TABLE.
   B. TEARDROP ALLOWED ON ENTRY OF VIA ON EVERY TRACE LAYER.
4. PLATING:
   COPPER PLATING IN THRU-HOLES .001 min.
5. MARKING:
   A. SILKSCREEN IN WHITE NON-CONDUCTIVE EPOXY INK ON PRIMARY SIDE OF THE BOARD OR BOTH SIDES IF APPLICABLE.
   B. FABRICATOR TO PLACE DATE CODE, LOGO AND RoHS COMPLIANT SYMBOL IN SILKSCREEN ON SECONDARY SIDE.
6. FINAL FABRICATION:
   A. SOLDERMASK PRIMARY AND SECONDARY SIDE OF BOARD USING LIQUID PHOTOIMAGABLE MASK MATERIAL OVER BARE COPPER. PER IPC-SM-840. MASK ARTWORKS PROVIDED ARE 1:1. SOLDERMASK COLOR **RED*
7. FINISH:
   A. SHALL BE ELECTROLESS NIKEL / IMMERSION GOLD(ENIG).
   B. NICKEL THICKNESS: 100-200 MICROINCHES.
   C. GOLD THICKNESS: 3-10 MICROINCHES.
8. BOARDS SHALL BE PURCHASED FROM UL RECOGNIZED VENDORS ONLY. FLAMMABILITY RATING (94-V0).
9. MANUFACTURE BOARD TO BE IN ACCORDANCE WITH PERFORMANCE STANDARD IPC-6011/6012 CLASS 2 BOARD TO BE INSPECTED PER IPC-600-A CLASS 2.
10. MAXIMUM WRAP OR TWIST SHALL NOT EXCEED .007 in/in.
11. TESTING:
    A. FABRICATOR TO ADD TEST STRUCTURES OR CUPONS AS NEEDED.
    B. T-LINE IMPEDANCE TO BE TESTED OR GUARANTEE WITHIN 10% IF SPECIFIED IN THE CROSS SECTION. TOLERANCE TO BE +/-10% UNLESS OTHERWISE SPECIFIED.



STACKUP
UNCONTROLLED IMPEDANCE BOARD

UNLESS OTHERWISE SPECIFIED	SIGNATURES		DATE
DIMENSIONS ARE IN INCHES	DRAWN	PLTO	10/03/17
TOLERANCES ON; ANGLES +/- 2°	CHECKED	NMIT	10/03/17
2 PL DECIMALS +/- .010	ENGRG	NMIT	10/03/17
3 PL DECIMALS +/- .005	ISSUED		
THIRD ANGLE PROJECTIONS			

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198 CHAMPION COURT
SAN JOSE, CA 95134
(408) 943-2600

FABRICATION DRAWING CY8CKIT-149 PSoC 4100S PLUS PROTOTYPING KIT

SIZE	FSCM NO	DWG NO	REV
C		610-60476-01	04

SCALE: 1/1 SHEET: 1 OF 2