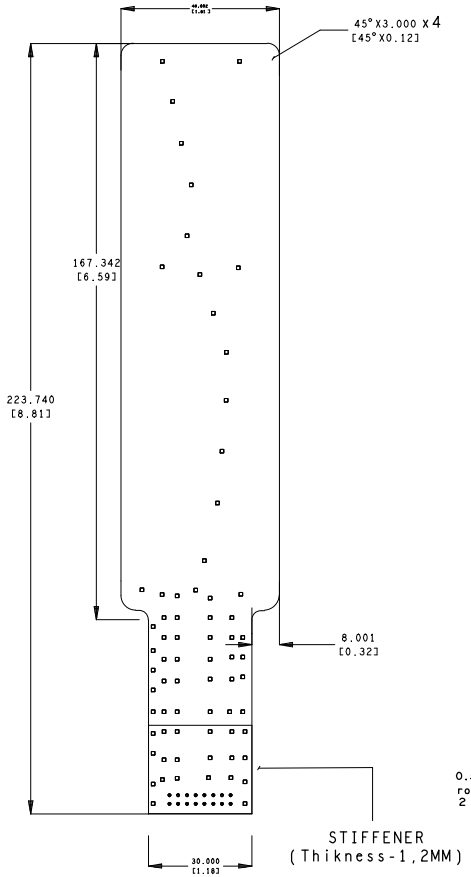
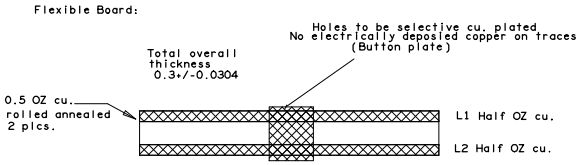
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01	ALPHA RELEASE	09/07/15	SHIB
02	BETA RELEASE	09/25/15	SHIB
03	ES10 RELEASE	09/25/15	SHIB
04	ES100 RELEASE	11/06/15	RKPM
05	PRODUCTION RELEASE	12/03/15	RKPM



DRILL CHART: 12_sensor_design				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
▫	10.0	+3.0/-3.0	PLATED	70
•	39.4	+3.0/-3.0	PLATED	1
•	39.402	+3.0/-3.0	PLATED	15



NOTES:(UNLESS OTHERWISE SPECIFIED)

1. RoHS COMPLIANT CERTIFICATION OR MATERIAL DECLARATION REQUIRED
2. MATERIAL:
   A. POLYMIDE 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 AND LOGO ON SECONDARY SIDE IN ETCH (PREFERRED) OR SILKSCREEN.
6. FINAL FABRICATION:
   A. SOLDRMASK 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 **BLACK**
7. FINISH:
   A. SHALL BE ELECTROLYTIC NICKEL/GOLD. 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 AND SHALL BE MARKED IN COPPER ON SECONDARY SIDE OF BOARD WITH VENDORS UL IDENT. FLAMABILITY RATING (94-V0), DATE CODE (WWYY), AND RoHS COMPILANT SYMBOL.
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 IMPEDENCE TO BE TESTED OR GUARANTEE WITHIN 10% IF SPECIFIED IN THE CROSS SECTION. TOLERANCE TO BE +/-10% UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON: ANGLES +/- 2°
2 PL DECIMALS +/- .010
3 PL DECIMALS +/- .005
THIRD ANGLE PROJECTIONS

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SIGNATURES		DATE
DRAWN	PRAO	12/03/15
CHECKED	RKPM	12/03/15
ENGRG	RKPM	12/03/15
ISSUED		

CYPRESS SEMICONDUCTOR
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SAN JOSE, CA 95134
(408) 943-2600

FABRICATION DRAWING
CY8CKIT-022 CapSense Liquid Level Sensing 12 Sensor Flex

SIZE	FSCM NO	DWG NO	REV
C		610-60303-01	05

SCALE: 1/1 SHEET: 1 OF 1