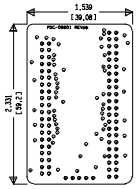
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE	07/16/10	RKAD
2	SHIELD IS CONNECTED TO SIO	08/26/10	RKAD
**	PRODUCTION RELEASE	01/11/11	RKAD





DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
○	12.012	+2.988/-2.988	PLATED	59
○	40.0	+0.0/-0.0	PLATED	89

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 AND LOGO ON SECONDARY SIDE IN ETCH (PREFERRED) OR SILKSCREEN.
6. FINAL FABRICATION:
   A. SOLDMASK 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 ##BLUE##
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 COMPLIANT 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 .010 in/in.
11. TESTING:
   A. FABRICATOR TO ADD TEST STRUCTURES OR CUPONS AS NEEDED.
   B. T-LINE IMPEDENCE TO BE TESTED OR GURANTEED WITHIN 10% IF SPECIFIED IN THE CROSS SECTION. TOLERANCE TO BE +/-10% UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES		
TOLERANCES ON: ANGLES +/- ½	DRAWN :	
2 PL DECIMALS +/- .010	CHECKED : RKAD	01/11/11
3 PL DECIMALS +/- .005	ENGRG : PVKV	01/11/11
THIRD ANGLE PROJECTIONS	ISSUED	

CYPRESS PROPIETARY
THIS DOUCUMENT CONTAINS CONFIDENTAL, PROPRIETARY INFORMATION THAT IS CYPRESS SEMICONDUCTOR PROPERTY. DO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS EXCEPT AS AUTHIRIZED BY CYPRESS.

COMPANY: CYPRESS SEMICONDUCTOR

FABRICATION DRAWING

CY8CKIT-031 PSoC Capsense Expansion Board Kit

SIZE	FSCM NO	DWG NO	REV
C		120-09801-0	**

SCALE: 1/1 SHEET: 1 OF 1