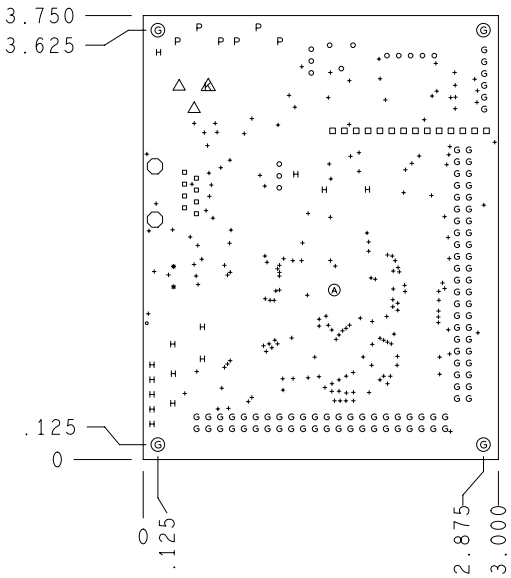
DWG. NO.	REV.
CY3280 24x94	**

REVISIONS			
REV	DESCRIPTION	APPROVED	DATE
01	INITIAL RELEASE		15/NOV/07
02	USB & OCD LAYOUT IMPROVEMENT		03/FEB/08
**	RELEASE TO MANUFACTURING		10/MAR/08



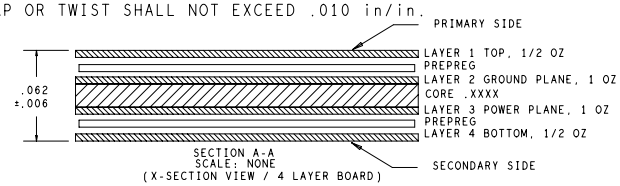
DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
°	10.0	+3.0/-3.0	PLATED	1
*	12.0	+3.0/-3.0	PLATED	191
▫	35.0	+3.0/-3.0	PLATED	8
○	40.0	+3.0/-3.0	PLATED	14
G	42.0	+3.0/-3.0	PLATED	94
H	43.0	+3.0/-3.0	PLATED	14
□	47.0	+3.0/-3.0	PLATED	14
P	70.0	+3.0/-3.0	PLATED	6
Ⓐ	100.0	+3.0/-3.0	PLATED	1
△	120.0	+3.0/-3.0	PLATED	2
⩓	140.0	+3.0/-3.0	PLATED	1
•	36.0	+3.0/-3.0	NON-PLATED	2
Ⓖ	125.0	+3.0/-3.0	NON-PLATED	4
◯	128.0	+3.0/-3.0	NON-PLATED	2

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. RoHS COMPLIANT CERTIFICATION OR MATERIAL DECLARATION REQUIRED
2. MATERIAL:
   A. NELCO 4000-11 OR IS420 OR EQUIVALENT. MATERIAL MUST CONFORM TO UL94V-0.
   B. USE HTE COPPER, 1/2 oz. COPPER FOIL EXTERNAL LAYERS AND 1 oz. COPPER FOIL FOR INTERNAL LAYERS.
   C. OVERALL METAL TO METAL THICKNESS .062 +/- 10%.
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 ETCH DATE CODE AND LOGO ON SECONDARY SIDE.
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 **RED**
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 .010 in/in.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± N/A .XX ± 0.01 .XXX ± 0.005 ±0.5°

MATERIAL:

FINISH:

THIRD ANGLE PROJECTION

NEXT ASSY | USED ON
APPLICATION

DO NOT SCALE DRAWING

PROJECT:

APPROVALS	DATE
DRAWN BY:	10/MAR/08
CHECKED:	
APPROVED:	
ISSUED:	

COMPANY: CYPRESS SEMICONDUCTOR

TITLE: CY3280-24x94 Universal CapSense

SIZE	DRAWING NO:	REV:
B	CY3280-24x94	**

SCALE: 1:1 | CYPRESS #: PDCR-9434 | SHEET: 1 OF 1

DWG. NO. CY3280 24x94 REV. **