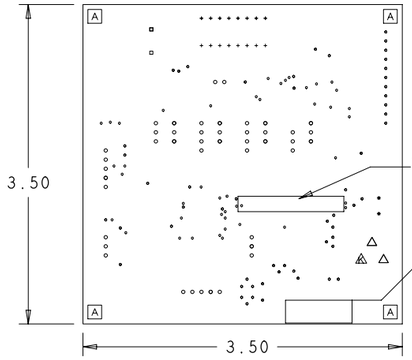
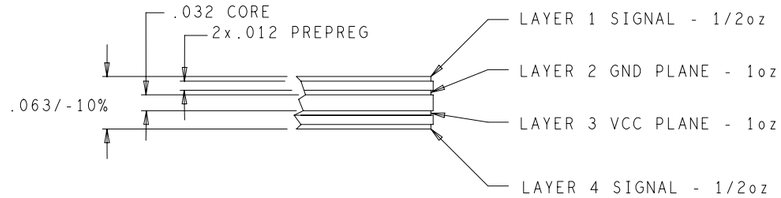
| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| ** | ORIGINAL RELEASE | 11/29/06 | SNF |
| *A | ADDED R31 - R33 & CHANGED CONNECTION OF R27 & U3.37. FIXED J2 WIRING ERROR | 01/03/07 | SNF |
| *B | CORRECTED D16 DIODE DIRECTION SYMBOL | 03/09/07 | SNF |




| DRILL CHART | | | | |
|---|---|---|---|---|
| ALL UNITS ARE IN MILS +/-3 | | | | |
| FIGURE | SIZE | PLATED | QTY | |
| • | 10.0 | PLATED | 99 | +3/-10 |
| • | 31.0 | PLATED | 16 | |
| ▫ | 35.0 | PLATED | 2 | |
| ◦ | 40.0 | PLATED | 44 | |
| △ | 120.0 | PLATED | 2 | |
| ⧋ | 140.0 | PLATED | 1 | |
| • | 36.0 | NON-PLATED | 2 | |
| Ⓐ | 166.0 | NON-PLATED | 4 | |

## 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 .063 +/- 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 **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 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 ON; ANGLES +/- 2°
2 PL DECIMALS +/- .010
3 PL DECIMALS +/- .005
THIRD ANGLE PROJECTIONS

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| SIGNATURES | | DATE |
|---|---|---|
| DRAWN | SNF | 01/03/07 |
| CHECKED | XXX | XX/XX/XX |
| ENGRG | SNF | 01/03/07 |
| ISSUED | | |

CYPRESS SEMICONDUCTOR
10147 W EMERALD ST
BOISE, ID 83704

# PORT EXPANDER LITE

| SIZE | FSCM NO | DWG NO | REV |
|---|---|---|---|
| C | | PDC-9379 | *B |

SCALE: 1/1 SHEET: