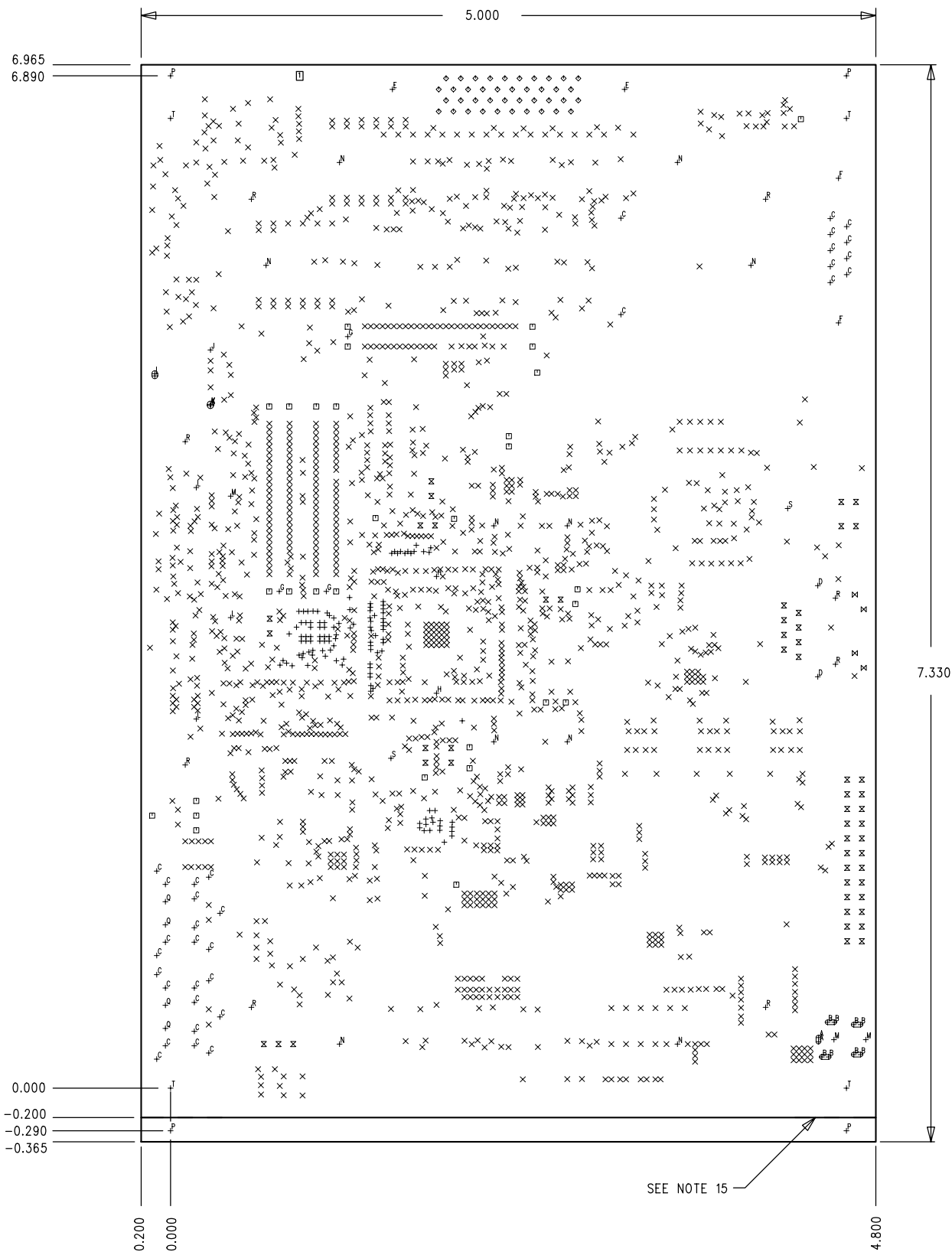
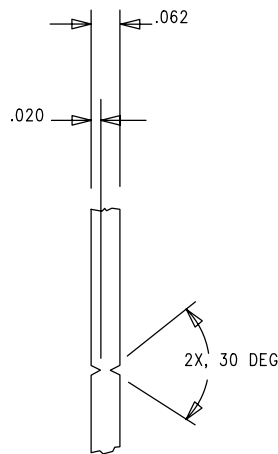


| REVISIONS |                       |       |          |          |
|-----------|-----------------------|-------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR | DATE     | APPROVED |
| 0.1       | NEW RELEASE           |       | 09/02/08 |          |
| 0.2       | EC02008-089           |       | 11/26/08 |          |
| 1.0       | EC02009-004           |       | 04/23/09 |          |
|           |                       |       |          |          |

| SIZE    | QTY  | SYM            | PLATED | TOL           |
|---------|------|----------------|--------|---------------|
| 8       | 118  | +              | YES    | +0.003/-0.008 |
| 12      | 1715 | ×              | YES    | +0.003-0.012  |
| 32      | 30   | □              | YES    | +/-0.003      |
| 32 x 60 | 1    | ⊥ <sup>A</sup> | YES    | +/-0.003      |
| 32 x 78 | 4    | ⊥ <sup>B</sup> | YES    | +/-0.003      |
| 34      | 40   | ◇              | YES    | +/-0.003      |
| 38      | 51   | ⊠              | YES    | +/-0.003      |
| 40      | 4    | ⊠              | YES    | +/-0.003      |
| 45      | 33   | ⊥ <sup>C</sup> | YES    | +/-0.003      |
| 63      | 2    | ⊥ <sup>D</sup> | YES    | +/-0.003      |
| 109     | 2    | ⊥ <sup>E</sup> | YES    | +/-0.003      |
| 125     | 2    | ⊥ <sup>F</sup> | YES    | +/-0.005      |
| 33      | 3    | ⊥ <sup>G</sup> | NO     | +/-0.003      |
| 40      | 2    | ⊥ <sup>H</sup> | NO     | +/-0.003      |
| 40 x 55 | 1    | ⊥ <sup>I</sup> | NO     | +/-0.003      |
| 43      | 1    | ⊥ <sup>J</sup> | NO     | +/-0.003      |
| 43 x 51 | 1    | ⊥ <sup>K</sup> | NO     | +/-0.003      |
| 46      | 3    | ⊥ <sup>L</sup> | NO     | +/-0.003      |
| 63      | 3    | ⊥ <sup>M</sup> | NO     | +/-0.003      |
| 70      | 10   | ⊥ <sup>N</sup> | NO     | +/-0.003      |
| 93      | 4    | ⊥ <sup>P</sup> | NO     | +/-0.003      |
| 117     | 4    | ⊥ <sup>Q</sup> | NO     | +/-0.005      |
| 128     | 8    | ⊥ <sup>R</sup> | NO     | +/-0.005      |
| 136     | 2    | ⊥ <sup>S</sup> | NO     | +/-0.005      |
| 156     | 4    | ⊥ <sup>T</sup> | NO     | +/-0.005      |

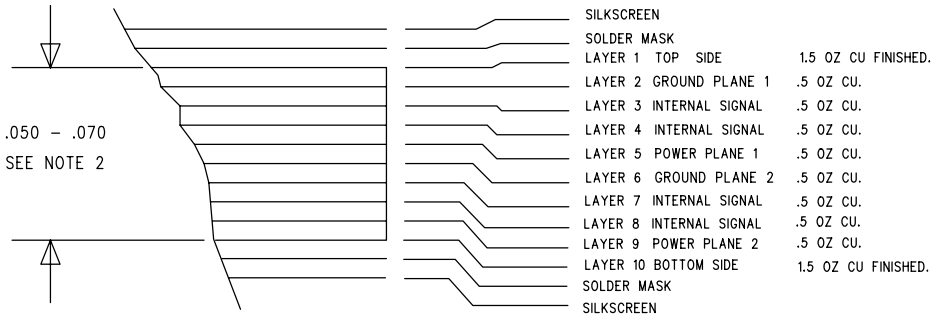



UNLESS OTHERWISE SPECIFIED

1. BOARD TO BE FABRICATED PER IPC-6012A, CLASS 2.
2. MATERIAL: POLYCLAD FR-370HR OR EQUIVALENT. OUTER LAYERS 1/2 OZ/SQFT CU INNER LAYERS 1/2 OZ/SQFT CU FINISHED .062 (.056 MIN .076 MAX SEE DETAIL). VENDOR MAY ADJUST THICKNESS TO FULFILL NOTE 9.
3. PLATING: ADDITIONAL CU PLATING 1 OZ/SQFT  
ALL HOLES PLATED THROUGH, EXCEPT AS NOTED IN HOLE LEGEND.  
MINIMUM PTH BARREL THICKNESS = 0.0008" MINIMUM AVERAGE  
PER IPC-6012A WITH AMENDMENT 1, CLASS 2 REQUIREMENTS.  
WITH NO SINGLE MEASUREMENT LESS THAN 0.00071 IN THE PLATED HOLES.
4. FINISH: SURFACES TO BE COATED BY ENIG OF 2 TO 10 MICROINCHES OVER  
A MINIMUM OF 60-200 MICROINCHES OF LOW STRESS NICKEL.
5. SOLDERMASK: SOLDER MASK TO BE TRANSPARENT GREEN LPI BOTH SIDES PER GERBER FILES.
6. SILKSCREEN: WHITE EPOXY INK, APPLY TO BOTH SIDES PER GERBER FILES.
7. ARTWORK: MINIMUM FEATURE SIZE = 0.00270  
MINIMUM AIR GAP = 0.00270
8. ALL DIMENSIONS ARE IN INCHES.
9. CONTROLLED IMPEDANCE: BOARD TO BE BUILT TO YIELD CONTROLLED IMPEDANCE  
OF 60 OHMS +/-10% ON ALL .005" LINE WIDTHS
10. THIEVING IS ALLOWED, UNLESS OTHERWISE SPECIFIED.
11. VIAS SHOULD BE COVERED ACCORDING TO ONE OF THE FOLLOWING METHODS.  
METHOD 1 IS PREFERRED.  
METHOD 1: VIAS MUST BE FILLED WITH SOLDERMASK MATERIAL AFTER  
ELECTROLESS NICKEL/IMMERSION GOLD AND BEFORE PRIMARY LPI MASK. AFTER THE  
FILL IS CURED, THE PRIMARY MASK IS THEN APPLIED WITH NO VIA APERTURES BOTH SIDES.  
  
METHOD 2: AFTER APPLICATION OF FULL BODY ELECTROLESS NICKEL/IMMERSION  
GOLD, APPLY PRIMARY MASK WITH REDUCED VIA APERTURES THAT ARE 6 MILS  
LARGER THAN DRILLED HOLE DIAMETER BOTH SIDES. THEN APPLY SOLDER MASK PLUG ON COMPONENT SIDE.
12. VIA HOLES (.008, & .012) REQUIRE TANGENCY ONLY, INSTEAD OF ANNULAR RING.
13. TEARDROP PADS ARE ACCEPTABLE WHERE NEEDED.
14. USE IPC-D-356 NETLIST AS SUPPLIED FOR CHECKING.  
THERE IS 1 INTENTIONAL SHORTS ON LAYER 1  
GND AND PGND AT W2  
PLEASE IGNORE THESE WHEN COMPARING THE IPC-356 NETLIST AND GERBERS.  
CONTACT ANALOG DEVICES IF ANY OTHER DISCREPANCIES ARE FOUND.
15. V SCORE 1 LINE ON BOTH SIDES OF THE BOARD. SEE DETAIL.
16. BUILD AS 1-UP PCB.

## 10 LAYER CONSTRUCTION DETAIL

SCALE : NONE



|  |               |                        |          |  |          |              |             |
|--|---------------|------------------------|----------|--|----------|--------------|-------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 |               | CONTRACT NO.           |          |  <b>ANALOG<br/>DEVICES</b> 20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |          |              |             |
|  |               | APPROVALS              | DATE     |  |          |              |             |
| MATERIAL   | SEE NOTES     | DRAWN EASTERN CIRCUITS | 04/23/09 | FABRICATION DRAWING<br>ADSP-BF518F EZ-BOARD  |          |              |             |
| FINISH   | SEE NOTES     | CHECKED                |          |  |          |              |             |
|  |               | ENGINEERING            |          | SIZE<br>B  | DWG. NO. | A0217-2008   | REV.<br>1.0 |
|  |               | QUALITY                |          |  |          |              |             |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |                        |          | SCALE 1 : 1  |          | SHEET 1 OF 1 |             |