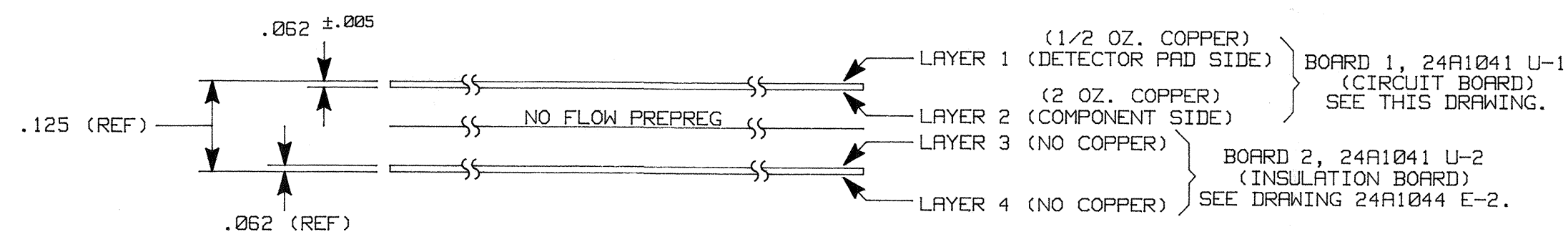


DETECTOR PAD SIDE VIEW

24A1041 U-1 a000886u1



NOTES:

- BOARD MATERIAL: (4 LAYER BOARD)  
 A) BOARD 1 (CIRCUIT BOARD) - EPOXY GLASS LAMINATE  
 TYPE NEMA G10 .062 THICK PER MIL-P-13949G  
 FL-GEN 062C-2/.5-B1B (2 OZ. COPPER - LAYER 2  
 AND 1/2 OZ. COPPER - LAYER 1).  
 B) BOARD 2 (INSULATION BOARD) - SEE DRAWING  
 24A1044 E-2 (a000886e2). THERE IS NO COPPER  
 OR CIRCUITRY ON THIS BOARD.
- THERE IS TO BE TIN PLATING USED ONLY ON LAYER 2 ON  
 SMT CONNECTOR PADS. THERE IS TO BE NO TIN PLATING  
 IN THROUGH HOLES. SEE DRAWING 24A1044 E-3  
 (a000886e3).
- FINISHED HOLE SIZE AFTER COPPER PLATING IS .035 DIA.  
 +/- .002 (INCHES). MINIMUM ANNULAR RING SHALL BE ANSI/  
 IPC-RB-276 CLASS 3. THERE ARE A TOTAL OF 1853 HOLES.
- CORE AND PREPREG THICKNESS TO BE DETERMINED BY MANUFACTURER  
 PER IPC-L-109A OR MIL-P-13949G. CLASS OF RESIN FLOW:  
 NO FLOW.
- FINISHED BOARD THICKNESS IS .125 +/- .005".
- BOARD SIZE IS 26.000W X 10.460H X 29.000H +/- .030.  
 DIMENSIONS ARE IN INCHES. BOARD OUTLINE DRAWING  
 IS 24A1044 M-1 (a000886m1).
- ARTWORK TO BE PLOTTED ON GLASS FOR REGISTRATION ACCURACY.
- REFERENCE DRAWINGS:  
 24A1044 M-1 a000886m1 BOARD OUTLINE  
 24A1044 E-2 a000886e2 ROUTING SCHEDULE - INSULATION BOARD  
 24A1044 E-3 a000886e3 ARTWORK - TIN PLATING (LAYER2)

| HOLE SCHEDULE |           |       |
|---------------|-----------|-------|
| TOOLING NO.   | HOLE DIA. | COUNT |
| 1             | .035      | 1563  |
| 2             | .028      | 155   |
| 3             | .020      | 90    |
| 4             | .026      | 45    |

USE .035 DIA HOLE FOR ALL HOLES.

TOTAL HOLE COUNT = 1853.

|                |         |   |             |          |           |
|----------------|---------|---|-------------|----------|-----------|
| I:             |         | TITLE                                   |             | STAR TPC |           |
| II:            |         | INNER SECTOR                            |             |          |           |
| III:           |         | PAD PLANE INNER SECTOR BOARD - 2 LAYER  |             |          |           |
| SHOWN ON       |         | HOLE SCHEDULE - BOARD 1 (CIRCUIT BOARD) |             |          |           |
| ACCOUNT NUMBER | 8052-24 | DRAWN BY                                | STARKKINEN  | DATE     | 09/27/93  |
| SERIAL NUMBER  |         | CHECKED                                 |             | DATE     |           |
| DATE ISSUED    |         | APPROVED                                |             | DATE     |           |
| DATE RECD.     |         | ENGINEER                                | FRED BIESER | FILE NO. | a000886e1 |
| DEL. TO        |         | SCALE                                   | NONE        | SIZE     | E14,C29   |
|                |         | DRAWING NO.                             | 24A1044 E-1 | SHEET    | 1 OF 3    |