

| Revisions |      |  |         |          |
|-----------|------|--|---------|----------|
| ECO       | Rev. | Description  | Date    | Approved |
|           | A    | Add note 4 for mating connector information.   | 9/22/00 | SmH      |
| 4127      | B    | Update to DO-160D qualification. Add Mod information. Nameplate was 9010059. Update title block. | 9/1/04  | BAW/NHK  |

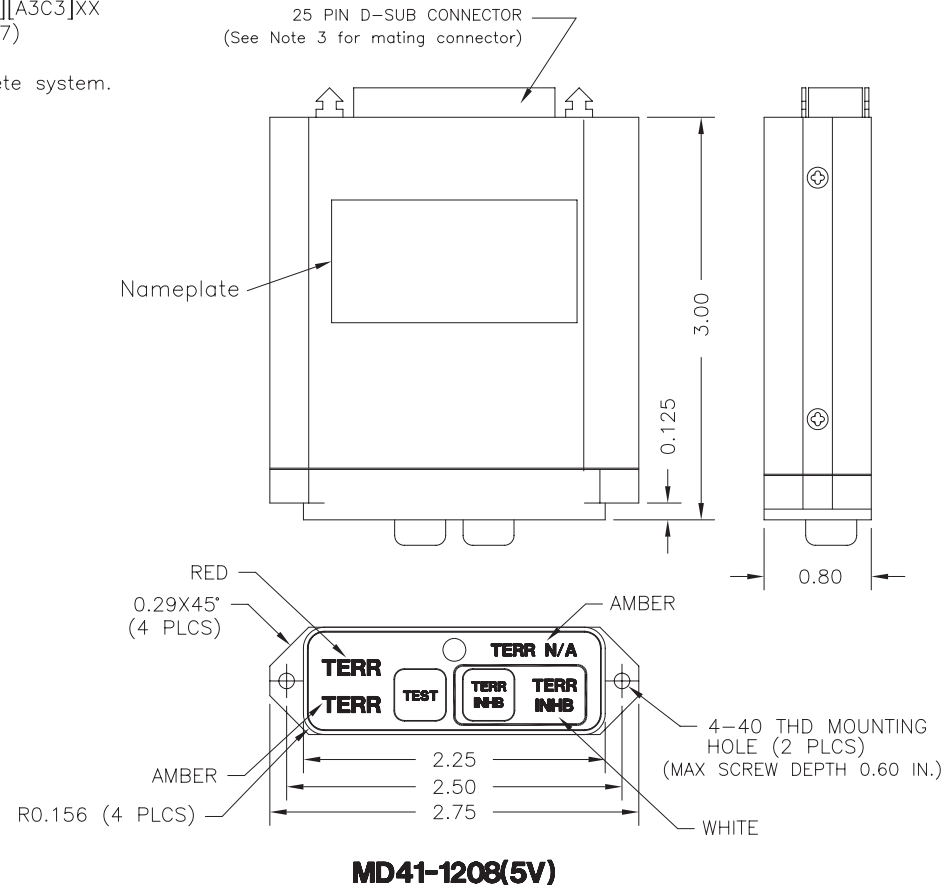
Logo and company name have been changed in title block only. No functional or technical changes have been made. Revision remains unchanged.

NOTES:

- 1) Unit is configurable to use internal photocell dimming or external dimming input.
  - a) For internal/automatic dimming, connect internal dimming output (Pin 12) to BRT/DIM input (Pin 7).
  - b) For external dimming control, leave Pin 12 open.
- 2) Design shall meet DO-160D ENV. CAT. [A1F2]CAB[SU]XXXXXXZBABAT[BM][A3C3]XX
- 3) Mating connector: Positronic RD25F10JVL0 (Mid-Continent P/N: 7014517)
- 4) Mod 0 is FAA-PMA approved.
- 5) Mod 1 is TSO C151a, Class A and B approved as part of an incomplete system.
- 6) Mod 2 represents the incorporation of LED lighting.

J1 (25 PIN D-SUB)

|                                  |    |
|----------------------------------|----|
| TERRAIN CAUTION ANNUNCIATE INPUT | 5  |
| ANNUNCIATOR PRESS TO TEST INPUT  | 6  |
| BRT/DIM ANNUNCIATOR POWER INPUT  | 7  |
| 0-5VDC PANEL LIGHTING            | 8  |
| LIGHTING LOW                     | 9  |
| TERRAIN N/A ANNUNCIATE INPUT     | 10 |
| TERRAIN WARNING ANNUNCIATE INPUT | 11 |
| INTERNAL DIMMING OUTPUT (NOTE 1) | 12 |
| +28VDC ANNUNCIATOR POWER INPUT   | 13 |
| TERRAIN SELF-TEST OUTPUT         | 19 |
| TERRAIN INHIBIT SELECT INPUT     | 20 |
| POWER GROUND                     | 21 |
| SHIELD GROUND                    | 22 |
| SHIELD GROUND                    | 23 |
| SHIELD GROUND                    | 24 |
| SHIELD GROUND                    | 25 |



| Item | Qty | Part Number | Description         |
|------|-----|-------------|---------------------|
| 1    | 1   | 9010752-05  | Assy, MD41-1208(5V) |
| 2    | 1   | 9015551     | Nameplate, TAWS     |

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.  
 TOLERANCE:  
 FRACTIONAL=± 1/64  
 .XX=± 0.015  
 .XXX=± 0.005  
 .XXXX=± 0.002  
 ANGULAR=± 0.5°  
 CONCENTRICITY: 0.005 TIR  
 BREAK ALL SHARP EDGES  
 THREADS PER MIL-S-7742

DRAWN:  
S. Hoang  
8/7/00  
 APPROVED:  
B. Barnes  
8/7/00

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TITLE: TERRAIN AWARENESS ANNUNCIATION CONTROL UNIT  
 PART NUMBER: MD41-1208(5V)  
 SCALE: None DO NOT SCALE THIS DRAWING SHEET 1 of 1