

5 A-1 CORNER
0.20 X 45° REF

-A- [D] [C] 4X 6

-B-

E

TOP VIEW

0.50 X 45° REF
(3 PLCS)

-C-

DETAIL A

A2

-A- [E]

DETAIL B

BOTTOM VIEW

[D1]

E1

| REVISIONS | | | | |
|-----------|-----|------------------------------------|----------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | - | PRODUCTION RELEASE PER ECN #03-507 | 04-30-03 | R. J. |
| | A | REV PER ED #12095 | 08-11-05 | R. J. |

- CONTROLLING DIMENSIONS ARE IN MILLIMETERS.
- DISTANCE FROM THE SEATING PLANE TO THE HIGHEST POINT OF THE PACKAGE INCLUDES STANDOFF HEIGHT A1, PACKAGE BODY THICKNESS A2, AND LID HEIGHT.
- PRIMARY DATUM C AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
- DIMENSION b IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER IN A PLANE PARALLEL TO PRIMARY DATUM C.
- THE A-1 CORNER IS IDENTIFIED BY A SMALLER CHAMFER, A ROUND DOT ON THE TOP SURFACE, AND A 0.25mm DIA HOLE ON THE BOTTOM SURFACE OF THE PACKAGE.
- BILATERAL TOLERANCE ZONE IS APPLIED TO EACH SIDE OF THE PACKAGE BODY.
- UNIDIRECTIONAL PROFILE TOLERANCE ZONE THAT EXTENDS UPWARDS FROM THE SEATING PLANE, DATUM C. THE LOWEST POINT OF THE BALL APEX MUST LIE IN THIS TOLERANCE ZONE.
- DFOISR 05-S-1872.

REFERENCE ONLY COPY

| QTY REQD | CODE IDENT | PART OR IDENTIFYING NO. | NOMENCLATURE OR DESCRIPTION | REMARKS | ITEM NO. |
|-------------|------------|----------------------------------------|-----------------------------|----------------------------------------------------------------------------|----------------|
| | | T. WAGNER DRAFTSPERSON | 4/24/03 DATE | HONEYWELL INC. SOLID STATE ELECTRONICS CENTER MINNEAPOLIS, MINNESOTA | |
| | | CHECKER | DATE | 483 DBGA CASE OUTLINE | |
| | | R. JENSEN ENGINEERING AREA APPROVER | 4/30/03 DATE | | |
| | | B. WESTBERG AFFECTED AREA APPROVER | 4/30/03 DATE | SIZE | CODE IDENT NO. |
| NEXT ASSY | USED ON | L. CHAMAS SRB APPROVER | 4/30/03 DATE | B | 34168 |
| APPLICATION | | | | SCALE | NONE |
| | | | | DRAWING NO. | 22026259 |
| | | | | SHEET 1 OF 2 | |

September 08, 2005 10:40

