

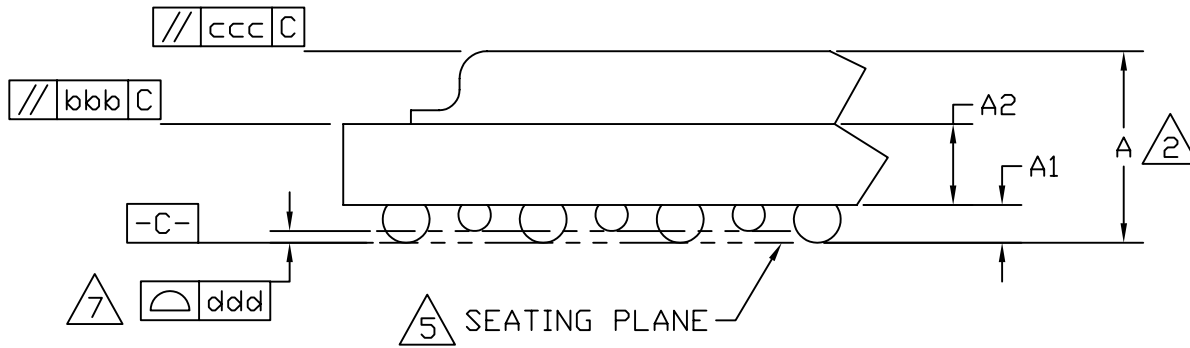
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	-	PRODUCTION RELEASE PER ECN #01-298	03-26-01	R. J.
	A	REV PER EO #12095	08-11-05	R. J.

- 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 SQUARE PAD 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-1878.

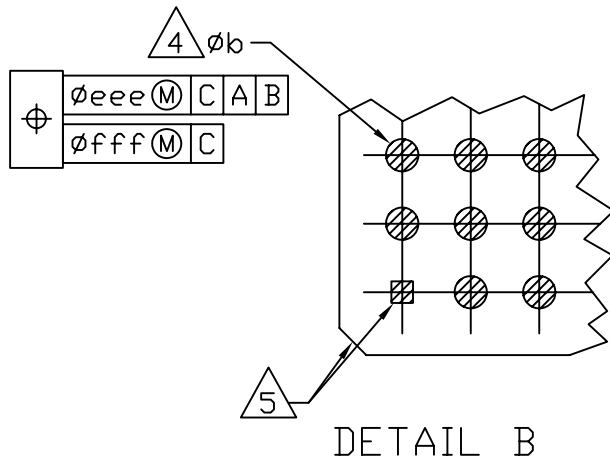
REFERENCE ONLY COPY

QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	REMARKS	ITEM NO.
		T. WAGNER DRAFTSPERSON	3/20/01 DATE	HONEYWELL INC. SOLID STATE ELECTRONICS CENTER MINNEAPOLIS, MINNESOTA	
		CHECKER	DATE	255 DBGA CASE OUTLINE	
		R. JENSEN ENGINEERING AREA APPROVER	03-23-01 DATE		
		W. BUCKMAN AFFECTED AREA APPROVER	03-23-01 DATE	SIZE	CODE IDENT NO.
NEXT ASSY	USED ON	L. CHAMAS SRB APPROVER	03-26-01 DATE	B	34168
APPLICATION				SCALE	NONE
				DRAWING NO.	22024606
				SHEET	1 OF 2

September 08, 2005 10:41



DETAIL A (ROTATED 90°)



DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	-	3.66	4.01	-	.144	.158
A1*	0.74	0.84	0.94	.029	.033	.037
A2	1.35	1.50	1.65	.053	.059	.065
b*	0.8	0.9	1.0	.031	.035	.039
D E	21.00			0.827		
D1 E1	19.05			0.750		
e	1.27			0.050		
S	0.635			0.025		
aaa	0.15			0.006		
bbb	0.25			0.010		
ccc	0.35			0.014		
ddd	0.15			0.006		
eee	0.30			0.012		
fff	0.15			0.006		

* ALTERNATE BALL DIAMETERS ARE AVAILABLE

REFERENCE ONLY COPY

SIZE	CODE	IDENT NO.	DRAWING NO.
B	34168	22024606	
SCALE	NONE	SHEET 2 OF 2	