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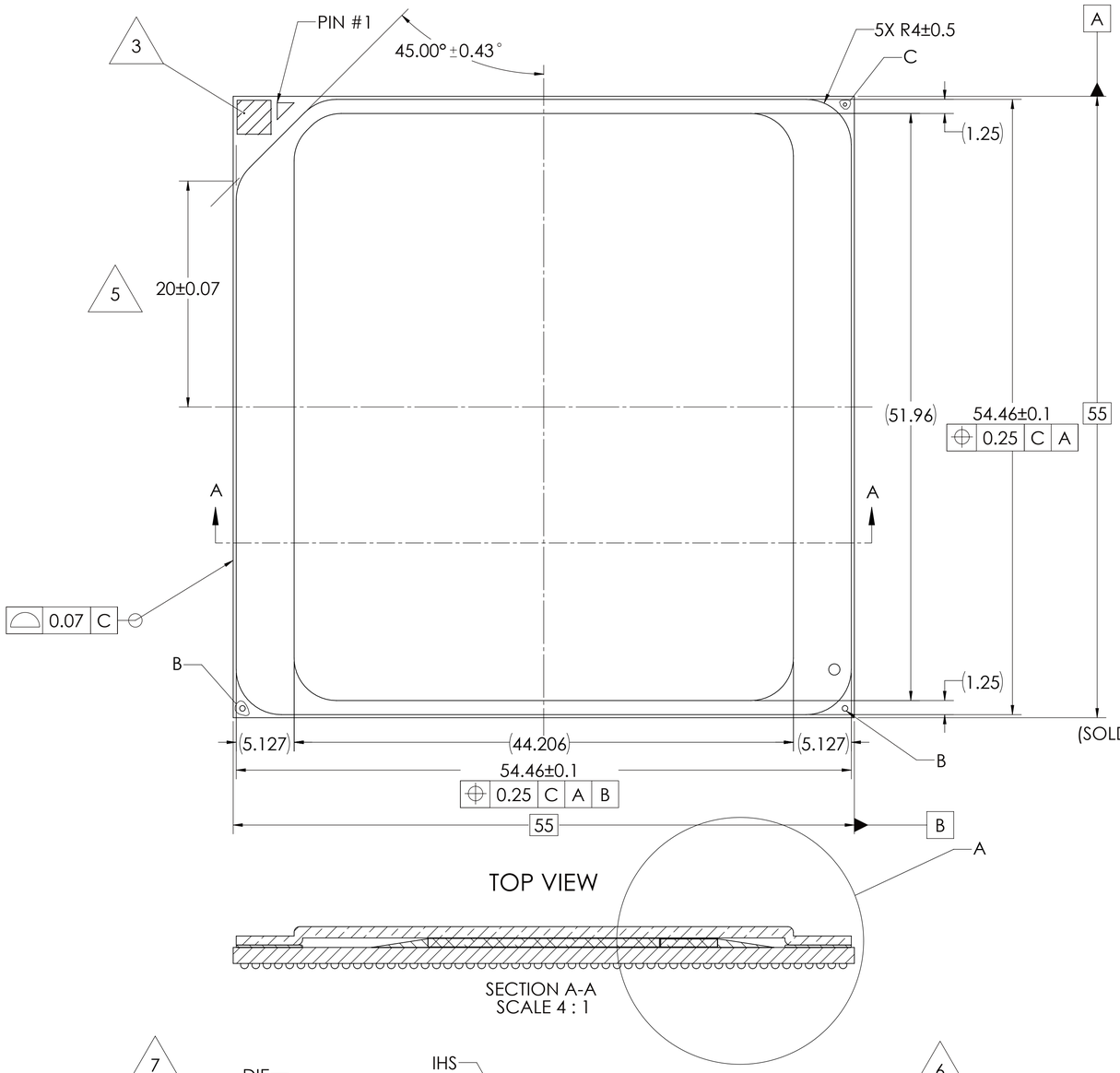
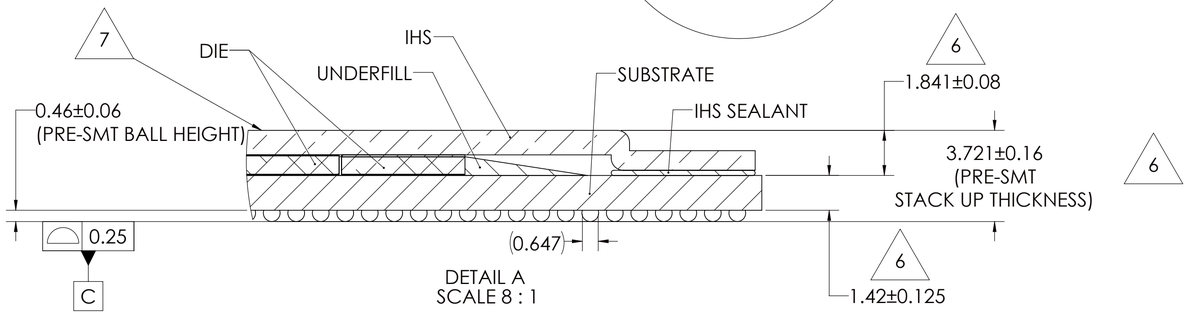
NOTES:
1. ALL TOLERANCES ARE RSS (4 SIGMA).
2. ALL Z STACK UP HEIGHT ESTIMATES ARE BASED ON PRE SMT BALL HEIGHT.
3. MARK KOZ, NO COMPONENTS ALLOWED.
4. NOMINAL PACKAGE MASS ESTIMATE = 46 GRAMS. ACTUAL WEIGHT MAY VARY DUE TO MANUFACTURING PROCESS.
5. DIMENSION IS TO THEORETICAL INTERSECTION.
6. ALL Z-HEIGHT RELATED DIMENSIONS ARE BASED ON LIMITED SAMPLING DATA.
7. (POST DRAWING VALIDATION)
   - PACKAGE MEETS ROOM TEMPERATURE JEDEC SPEC. FOR TOP SIDE FLATNESS OF 0.35.
   - PACKAGE MEETS ROOM TEMPERATURE INTEL SPEC. FOR TOP SIDE FLATNESS OF 0.25.

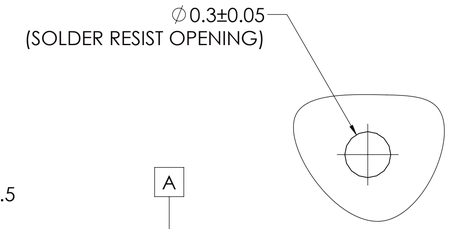


TOP VIEW

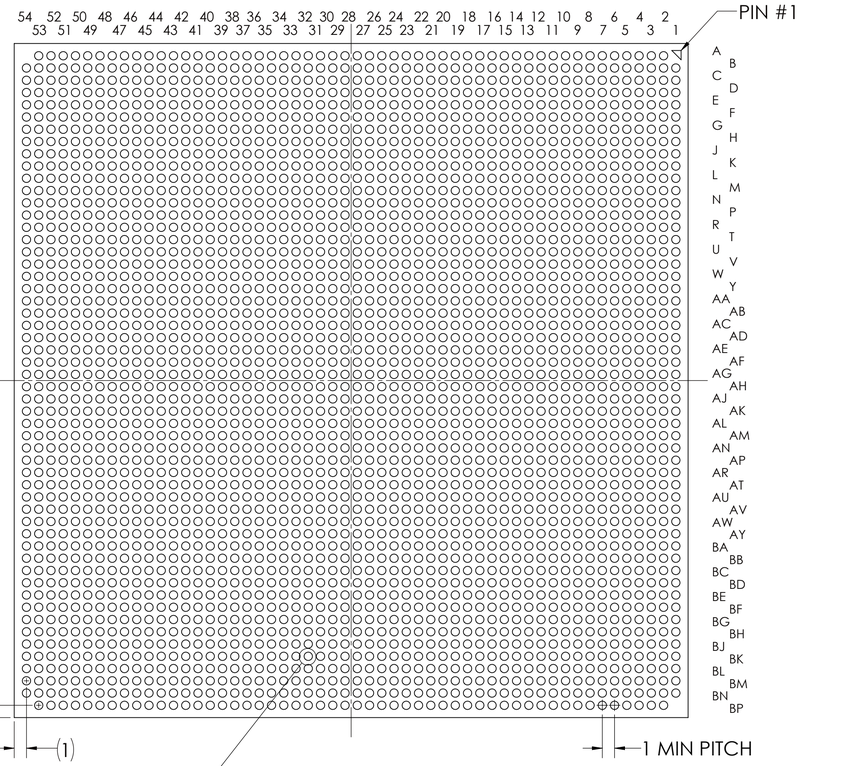
SECTION A-A
SCALE 4 : 1



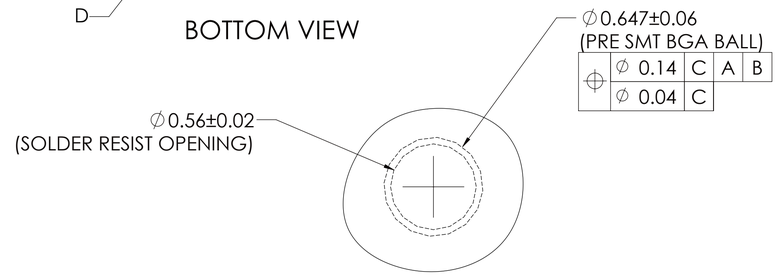
DETAIL A
SCALE 8 : 1



DETAIL C
SURFACE ALIGNMENT FIDUCIAL
SCALE 50 : 1



BOTTOM VIEW



DETAIL B
SURFACE ALIGNMENT FIDUCIAL
2X
SCALE 50 : 1

DETAIL D
SCALE 50 : 1
2912X

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS.
INTERPRET DIMENSIONS AND TOLERANCES
PER ASME Y14.5-2009.

MATERIAL:

FINISH:
SEE NOTES

DESIGNED BY: P GU	DATE: 4/21/2017	
DRAWN BY: P GU	DATE: 4/21/2017	
CHECKED BY:	DATE:	
APPROVED BY:	DATE:	

THIRD ANGLE PROJECTION

DEPARTMENT:

intel
2200 MISSION COLLEGE BLVD.
P.O. BOX 58119
SANTA CLARA, CA 95052-8119

TITLE:
PACKAGE MECHANICAL DRAWING
55mm X 55mm, 7-2-7
16 LAYER STACKUP, 2912 BGA

SIZE	DRAWING NUMBER	REV
A1	J63899	03

SCALE: 4:1 | DO NOT SCALE DRAWING | SHEET 1 OF 2

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ZONE	REV	DESCRIPTION	DATE	APPR.
-	1	PRELIMINARY RELEASE	04/21/2017	PG
-	2	REVISED PER ECO #9119979 UPDATED DIE HEIGHT AND TOTAL STACKUP HEIGHT UPDATE IHS FLATNESS AND PARALLELISM	10/04/2017	PG
	03	REVISED AS PER ECO#9421035 UPDATED TOLERANCES TO REFLECT 4 SIGMA VALUES	09/19/2018	NB