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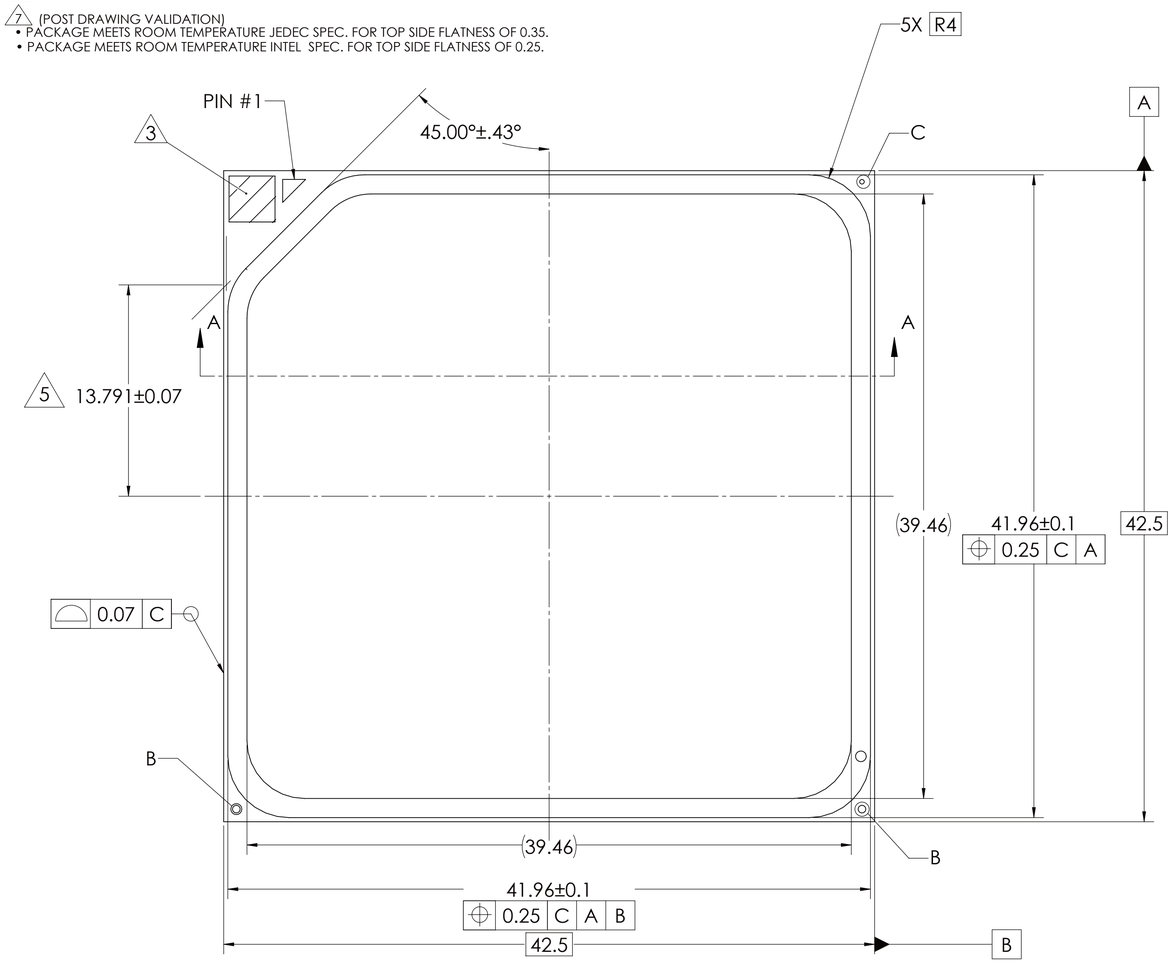
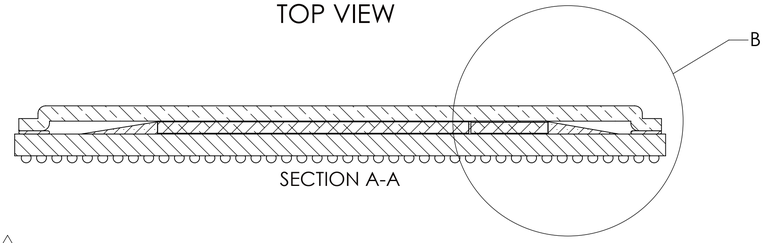
DWG. NO.	SH.	REV.
J60158	1	04

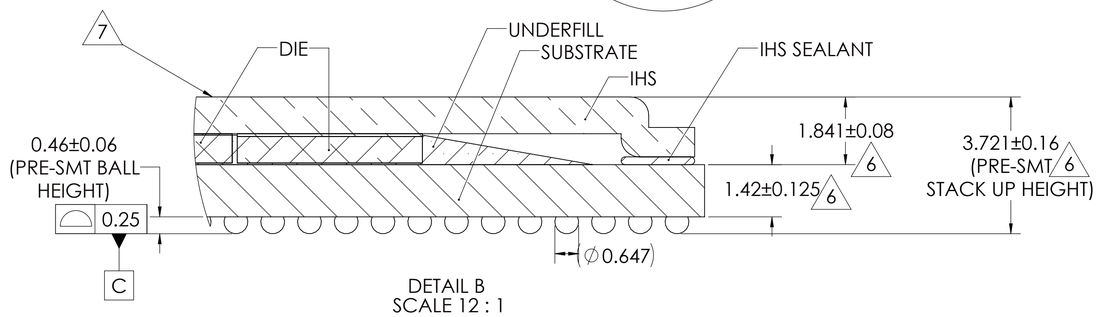
NOTES:

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 = 28 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.

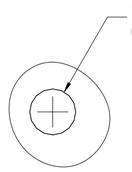


TOP VIEW

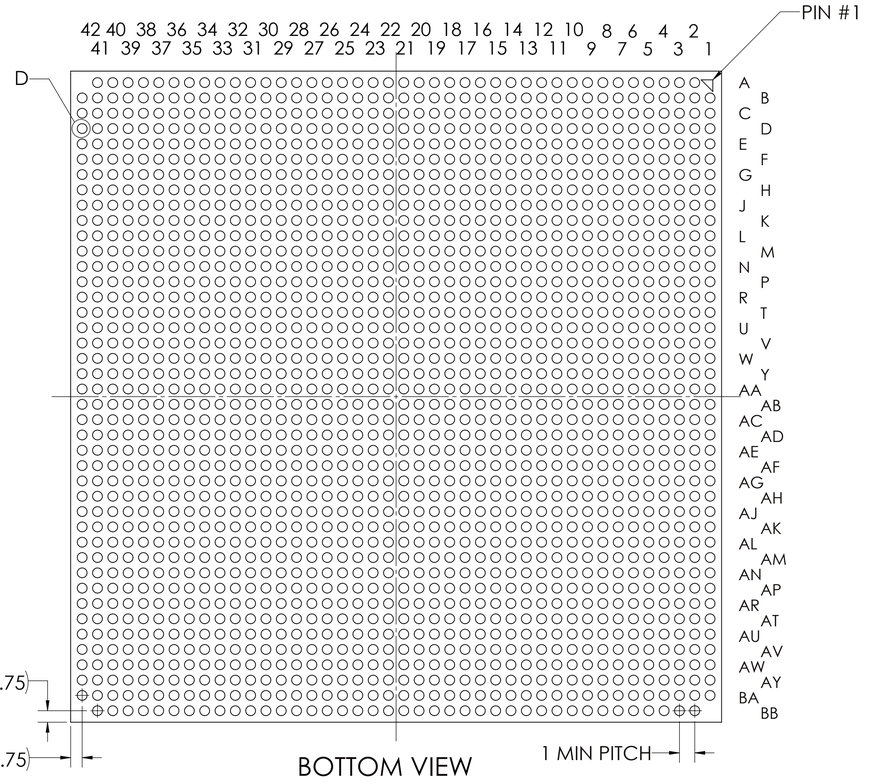




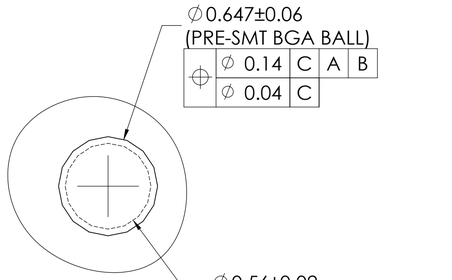
DETAIL B
SCALE 12 : 1



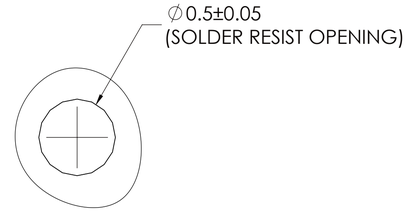
DETAIL C
SUBSTRATE ALIGNMENT FIDUCIAL
SCALE 50 : 1



BOTTOM VIEW



DETAIL D
1760X
SCALE 50 : 1



DETAIL B
SUBSTRATE ALIGNMENT FIDUCIAL
2X
SCALE 50 : 1

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009.	DESIGNED BY: P GU	DATE: 4/20/2017
	DRAWN BY: P GU	DATE: 4/20/2017
	CHECKED BY:	DATE:
MATERIAL:	APPROVED BY:	DATE:
FINISH: SEE NOTES	THIRD ANGLE PROJECTION	

DEPARTMENT:

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SANTA CLARA, CA 95052-8119

TITLE:
PACKAGE MECHANICAL DRAWING
7-2-7, 16 LAYER STACK UP
1760 BGA

SIZE	DRAWING NUMBER	REV
A1	J60158	04

SCALE: 5:1 | DO NOT SCALE DRAWING | SHEET 1 OF 2

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ZONE	REV	DESCRIPTION	DATE	APPR
-	1	PRELIMINARY RELEASE	04/20/2017	PG
-	2	REVISED PER ECO #9119979 UPDATED DIE HEIGHT AND TOTAL STACKUP HEIGHT UPDATE IHS FLATNESS AND PARALLELISM	10/04/2017	PG
	3	REVISED AS PER ECO#9400950 UPDATED Z THICKNESS TOLERANCES TO 4 SIGMA	08/28/2018	NB
	4	REVISED AS PER ECO # INCORRECT IHS DISPLAYED IN PREVIOUS REVISION THIS HAS BEEN CORRECTED	09/06/2018	NB