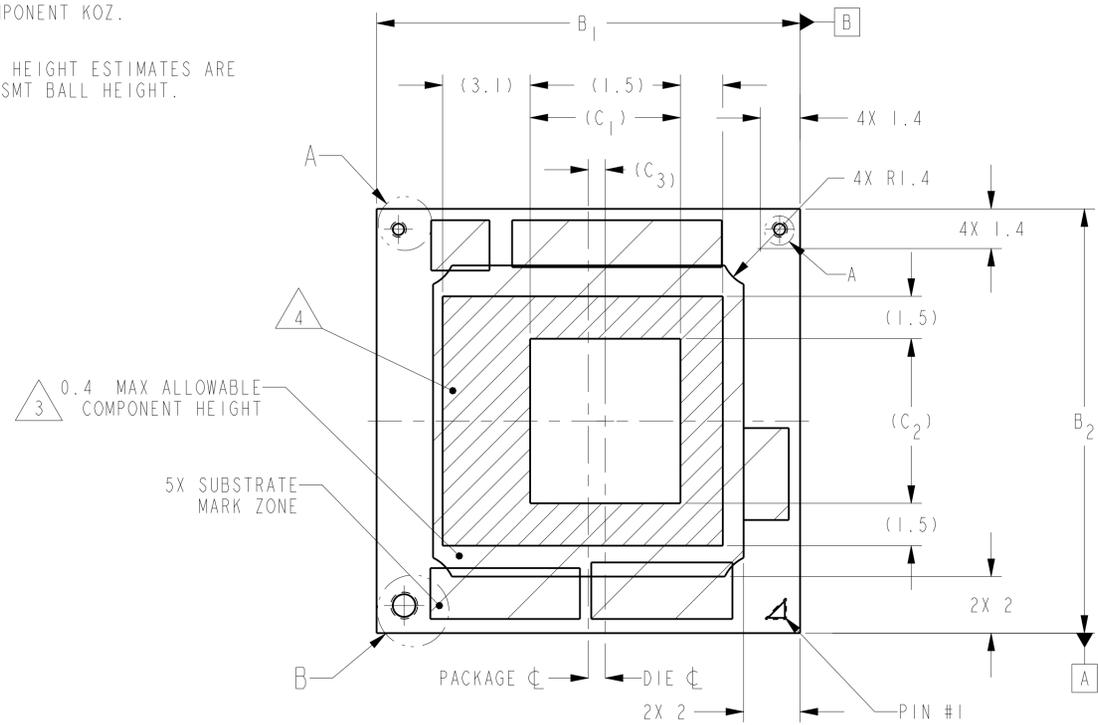
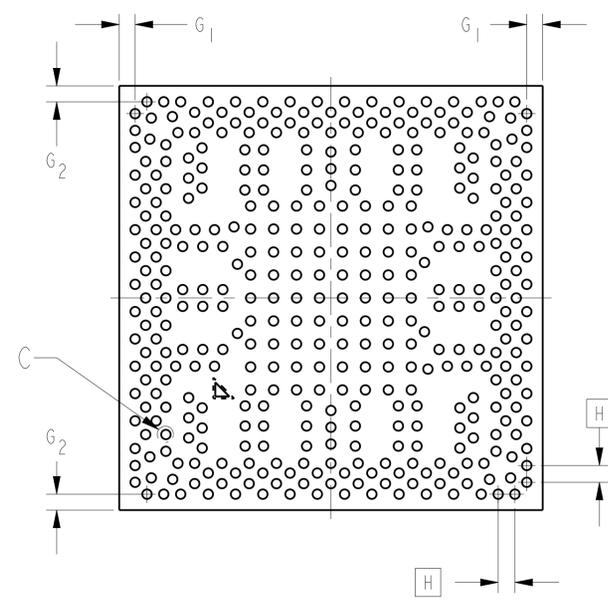


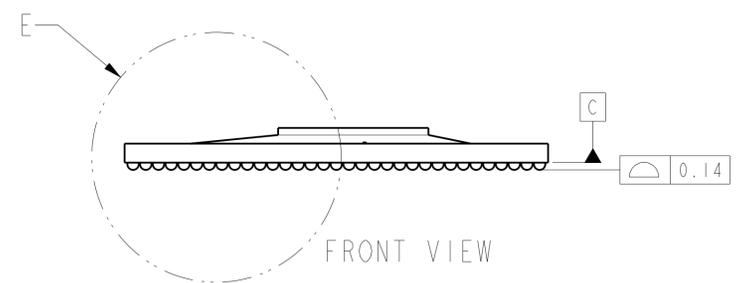
- NOTES:
1. PACKAGE EXPECTED TO BE WITHIN HIGH-TEMPERATURE COPLANARITY RANGE OF -0.13mm TO +0.2mm.
 2. ALL TOLERANCES ARE RSS.
 3. COMPONENT KIZ.
 4. DIE SIDE COMPONENT KOZ.
 5. ALL Z STACKUP HEIGHT ESTIMATES ARE BASED ON PRE SMT BALL HEIGHT.



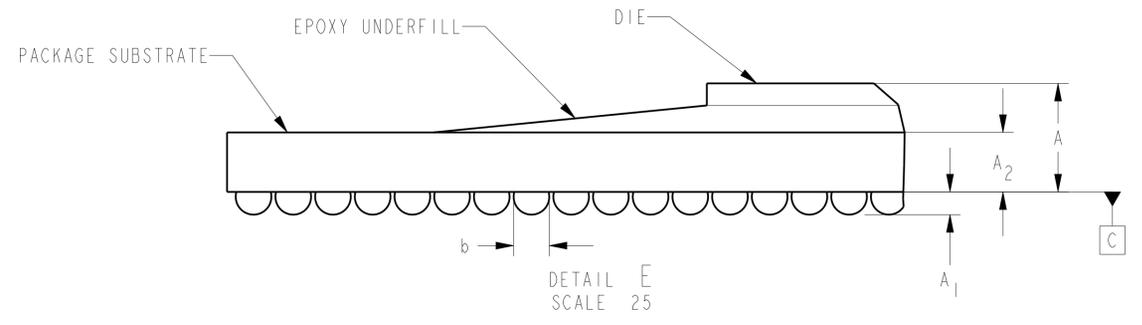
TOP VIEW



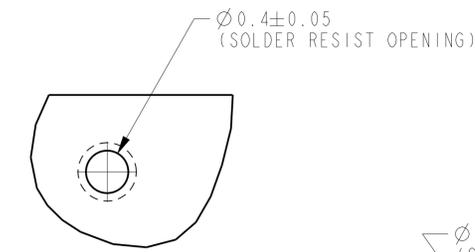
BOTTOM VIEW



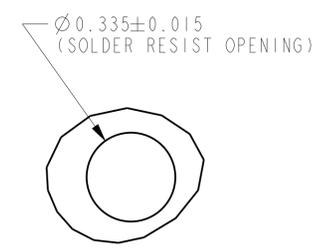
FRONT VIEW



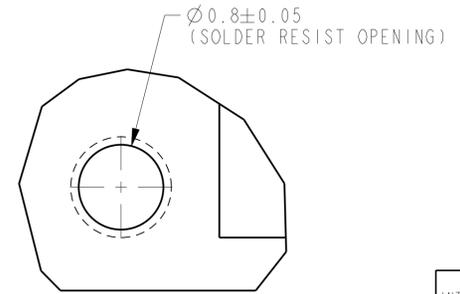
DETAIL E
SCALE 25



DETAIL A
SUBSTRATE ALIGNMENT FIDUCIAL
2X
SCALE 30



DETAIL C
BGA LAND
695 PLACES
SCALE 75



DETAIL B
SUBSTRATE ALIGNMENT FIDUCIAL
SCALE 30

SYMBOL	MILLIMETERS	COMMENTS
B ₁	15±0.04	
B ₂	15±0.04	
C ₁	5.324	
C ₂	5.817	
C ₃	0.6	
A	1.228±0.072	
A ₁	0.257±0.05	PRE-SMT (END OF LINE) BGA HEIGHT
	0.185±0.02	POST-SMT (BOARD ATTACH) BGA HEIGHT
A ₂	0.673±0.075	
G ₁	0.564	MIN BGA PAD CENTER TO PACKAGE EDGE
G ₂	0.564	MIN BGA PAD CENTER TO PACKAGE EDGE
H	0.593	MIN PITCH FOR BALLS ANYWHERE PATTERN
b	0.404	PRE-SMT BGA DIAMETER (END OF LINE)

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994 DIMENSIONS ARE IN MILLIMETERS ALL UNTOLERANCED LINEAR DIMENSIONS ±0.1 ANGLES ±0.5

THIRD ANGLE PROJECTION

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
MATERIAL	FINISH

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

TITLE **PACKAGE MECHANICAL DRAWING**

SIZE A1 DRAWING NUMBER G71668 REV 2

SCALE: 5 DO NOT SCALE DRAWING SHEET 1 OF 2

8

7

6

5

4

3

2

2



ZONE	REV	DESCRIPTION	DATE	APPR
	1	ENGINEERING RELEASE		
	2	REVISED PER ECO# 7830196 REVISE BGA PATTERN		

H

H

G

G

F

F

E

E

D

D

C

C

B

B

A

A



8

7

6

5

4

3

2

2

1

