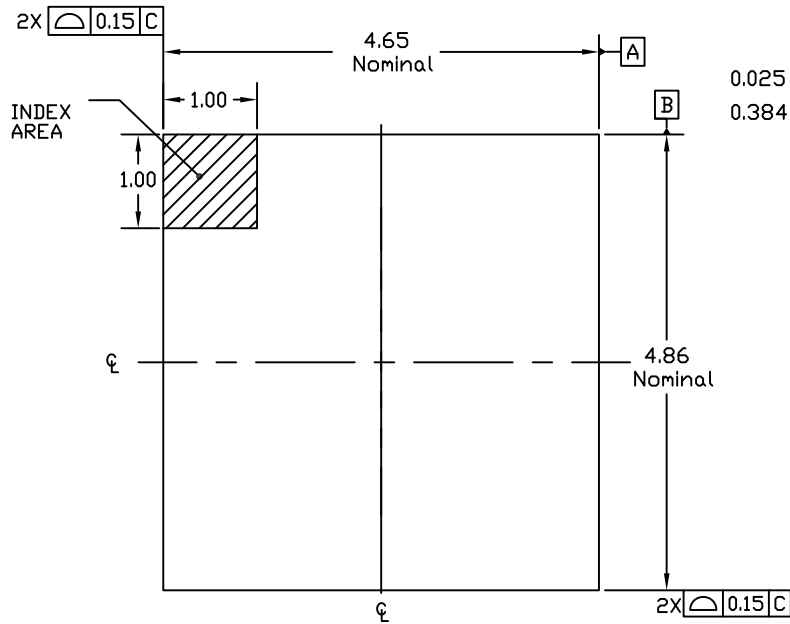


NOTES:

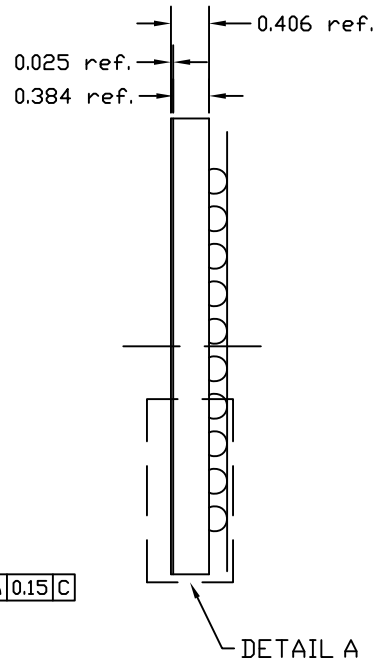
1. ALL DIMENSIONS AND TOLERANCES ARE PER ASME Y14.5M-1994.
 2. ALL DIMENSIONS ARE IN MILLIMETERS.
- ⚠ SEATING PLANE AND PRIMARY DATUM -C- ARE DEFINED BY THE CONTACT POINTS OF THREE OR MORE SOLDER BALLS THAT SUPPORT THE DEVICE WHEN PLACED ON A TOP OF A PLANAR SURFACE.
- ⚠ BOTTOM PIN#1 INDICATOR OPTIONAL.

DATE		REVISIONS DESCRIPTION		
CREATED	REV	INITIAL RELEASE		AUTHOR
03/21/12	00	COMBINE POD & LAND PATTERN		MR
7/18/13	01	ADD DIE BACKGRIND THICKNESS		KS
02/03/14	02	ADD NOTE RECOMMENDED LAND PATTERN		JH
02/21/14	03	ADD NOTE RECOMMENDED LAND PATTERN		JH
12/8/16	04	CHANGE BACKSIDE TAPE 0.022 to 0.025		JH

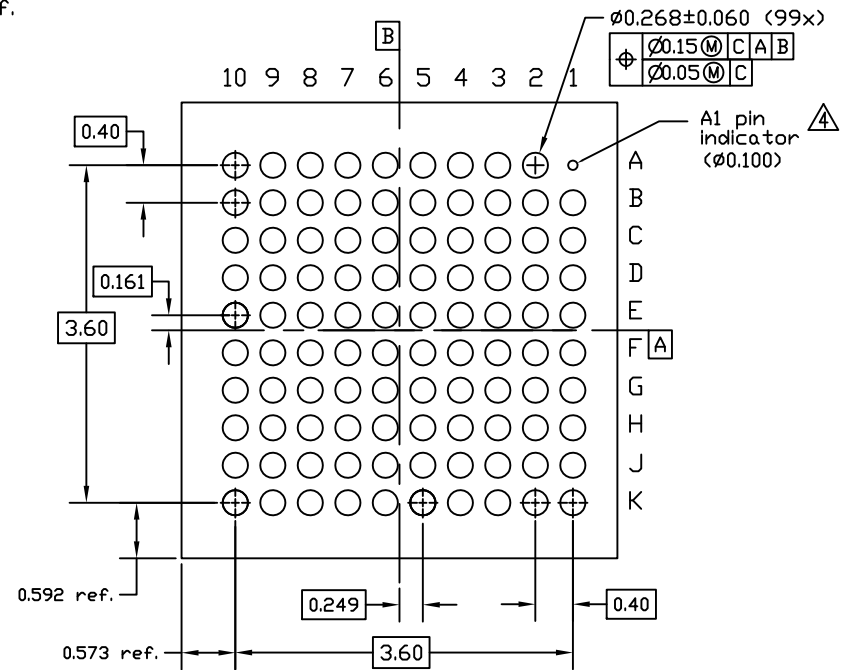
NOTE: REFER TO DCP FOR OFFICIAL RELEASE DATE



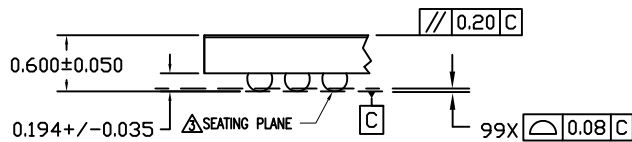
TOP VIEW



DETAIL A



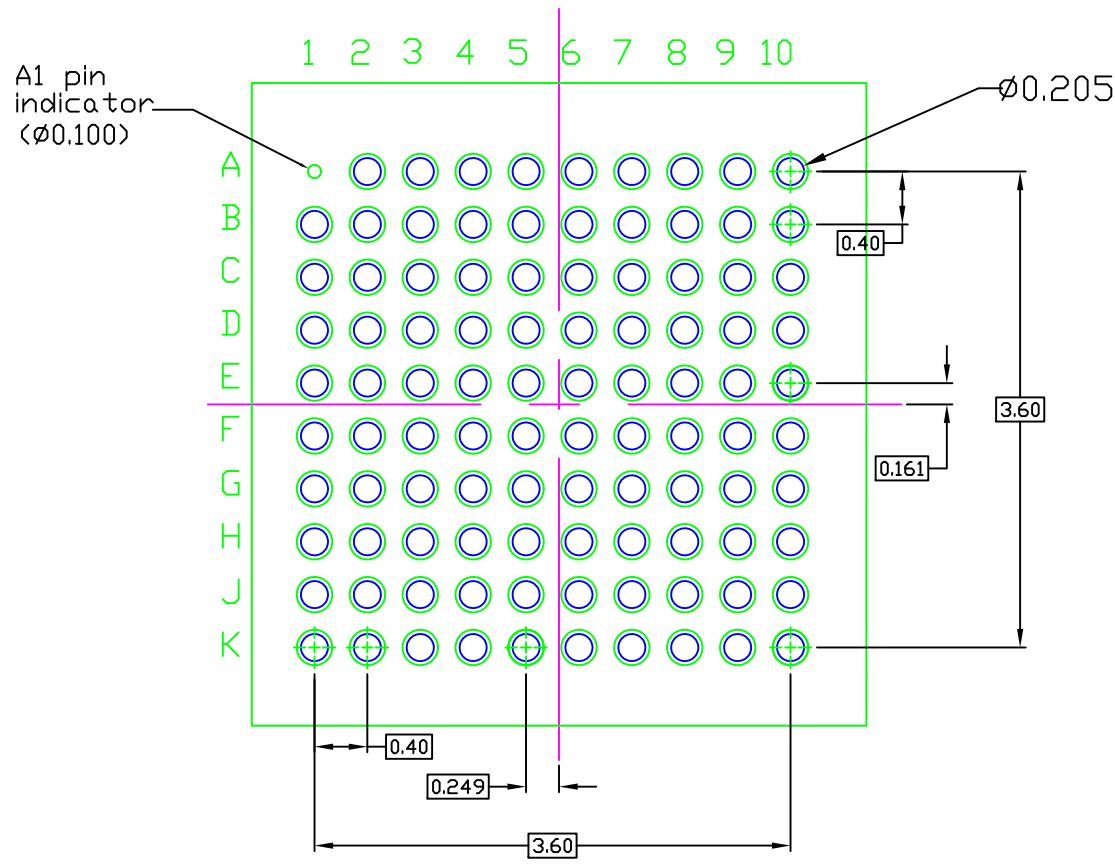
BOTTOM VIEW



DETAIL A
(ROTATED 90 DEG CW)

TOLERANCES UNLESS SPECIFIED DECIMAL ANGULAR XX± 0.05 ± XXX± 0.012 ± XXXX±			6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3572
	TITLE AHG99 PACKAGE OUTLINE 4.861 x 4.647mm BODY 0.4mm PITCH DSBGA		
SIZE C	DRAWING No. PSC-4396	REV 04	
DO NOT SCALE DRAWING			SHEET 1 OF 2


DATE	REVISIONS		DESCRIPTION	AUTHOR
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12/8/16	04	CHANGE BACKSIDE TAPE 0.022 to 0.025		JH
NOTE: REFER TO DCP FOR OFFICIAL RELEASE DATE				



RECOMMENDED LAND PATTERN DIMENSION

NOTES:

1. ALL DIMENSION ARE IN mm. ANGLES IN DEGREES.
2. TOP DOWN VIEW. AS VIEWED ON PCB.
3. COMPONENT OUTLINE SHOW FOR REFERENCE IN GREEN.
4. LAND PATTERN IN BLUE. NSMD PATTERN ASSUMED.
5. LAND PATTERN RECOMMENDATION PER IDT WLCSP APPLICATION NOTE.

TOLERANCES UNLESS SPECIFIED DECIMAL ANGULAR X± ±1° XX± XXX±			6024 Silver Creek Valley Road San Jose CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-8591
	www.IDT.com		
TITLE AHG99 PACKAGE OUTLINE 4.861 x 4.647mm BODY 0.4mm PITCH DSBGA			
SIZE	DRAWING No.	REV	
C	PSC-4396	04	
DO NOT SCALE DRAWING			SHEET 2 OF 2