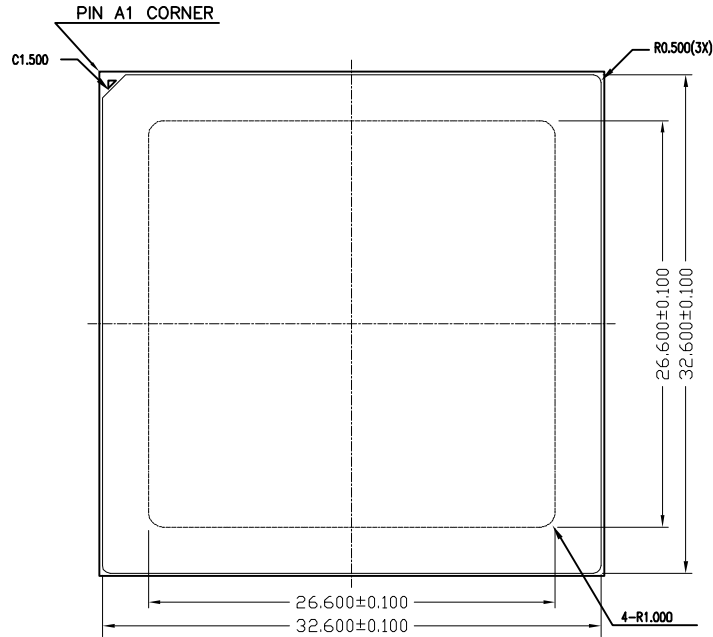


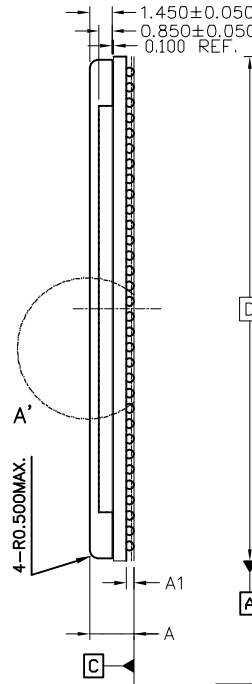
FLAT LID

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	11/06/15	CK LEE
01	REMOVE HAT TYPE LID OPTION	02/22/16	CK LEE
02	CHANGE LID CORNER FOLLOW ORIGINAL LID DRAWING	07/04/16	CK LEE

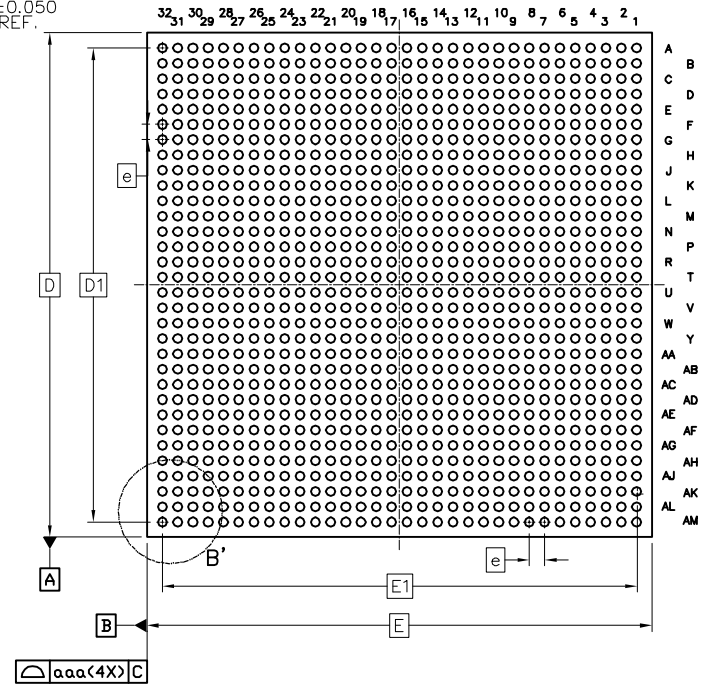
TOP VIEW



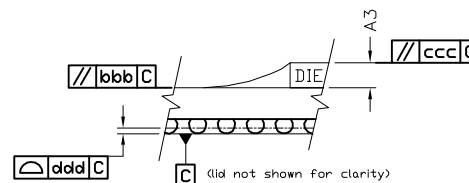
SIDE VIEW



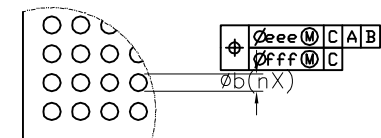
BOTTOM VIEW



	SYMBOL	COMMON DIMENSIONS		
		MIN.	NOM.	MAX.
TOTAL THICKNESS	A	2.552	2.802	3.052
STAND OFF	A1	0.400	-	0.600
THICKNESS FROM SUBSTRATE SURFACE TO DIE BACKSIDE	A3	-	-	REF
BODY SIZE	E	33.000	BSC	
	D	33.000	BSC	
BALL DIAMETER		0.600		
BALL WIDTH	b	0.500	-	0.700
BALL PITCH	e	1.000	BSC	
BALL COUNT	n	1024		
EDGE BALL CENTER TO CENTER	E1	31.000	BSC	
	D1	31.000	BSC	
EXPOSE DIE SIZE	E2	-	BSC	
	D2	-	BSC	
PACKAGE EDGE TOLERANCE	aaa	0.200		
SUBSTRATE PARALLELISM	bbb	0.250		
TOP PARALLELISM	ccc	0.350		
COPLANARITY	ddd	0.150		
BALL OFFSET (PACKAGE)	eee	0.250		
BALL OFFSET (BALL)	fff	0.100		



DETAIL A'



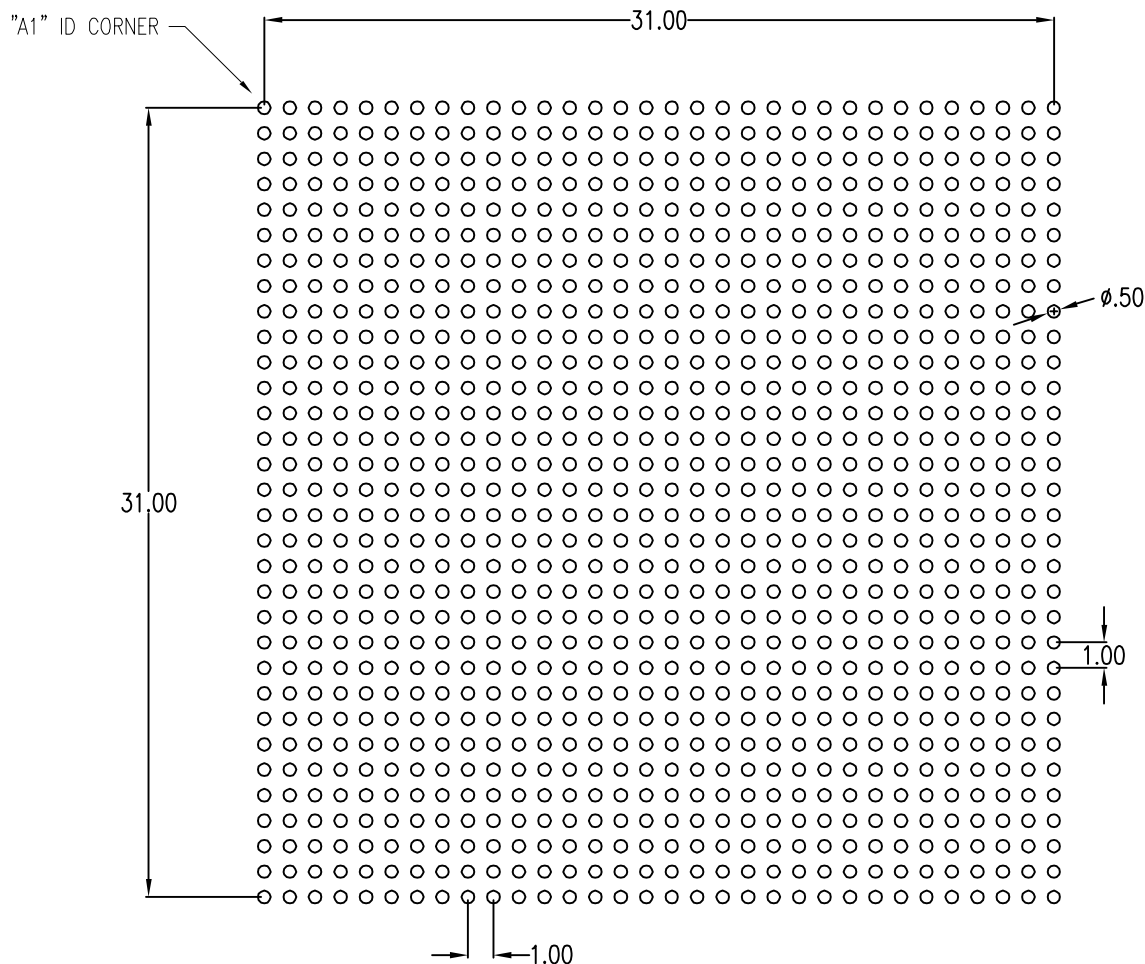
DETAIL B'

TOLERANCES UNLESS SPECIFIED	
DECIMAL	ANGULAR
XX± 0.05	±
XXX±	
XXXX±	
APPROVALS	DATE
DRAWN CXC	11/06/15
CHECKED	
SIZE	DRAWING No.
C	PSC-4623
DO NOT SCALE DRAWING	

IDT™
 6024 Silver Creek Valley Rd
 San Jose, CA 95138
 PHONE: (408) 284-8200
 FAX: (408) 284-3572
 www.IDT.com

TITLE ALG1024 PACKAGE OUTLINE		
FCBGA 33.0 x 33.0mm BODY		
1.00 mm BALLPITCH FCBGA		
SIZE	DRAWING No.	REV
C	PSC-4623	02
DO NOT SCALE DRAWING		SHEET 1 OF 2


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	11/06/15	CK LEE
01	REMOVE HAT TYPE LID OPTION	02/22/16	CK LEE
02	CHANGE LID CORNER FOLLOW ORIGINAL LID DRAWING	07/04/16	CK LEE



RECOMMENDED LAND PATTERN DIMENSION

NOTE:

- 1) ALL dimensions are in mm, Angles in degrees.
- 2) Top down view, as view on PCB.
- 3) NSMD Land Pattern Assumed
- 4) Land Pattern Recommendation as per IPC-7351B generic requirement for surface mount design and Land Pattern.

TOLERANCES UNLESS SPECIFIED		 6024 Silver Creek Valley Rd San Jose, CA 95138 PHONE: (408) 284-8200 www.IDT.com FAX: (408) 284-3572	
DECIMAL	ANGULAR		
XX±.1	± 1°		
XXX±.05			
XXXX±.030			
APPROVALS	DATE	TITLE	
DRAWN <i>CK</i>	11/06/15	ALG1024 PACKAGE OUTLINE	
CHECKED		33.0 X 33.0 mm BODY	
		1.00 mm BALLPITCH FCBGA	
		SIZE	REV
		C	02
		DRAWING No.	
		PSC-4623	
DO NOT SCALE DRAWING			SHEET 2 OF 2