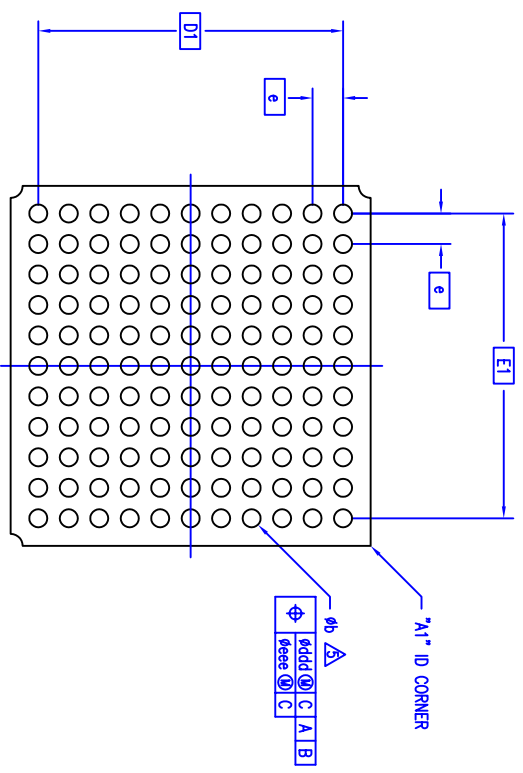
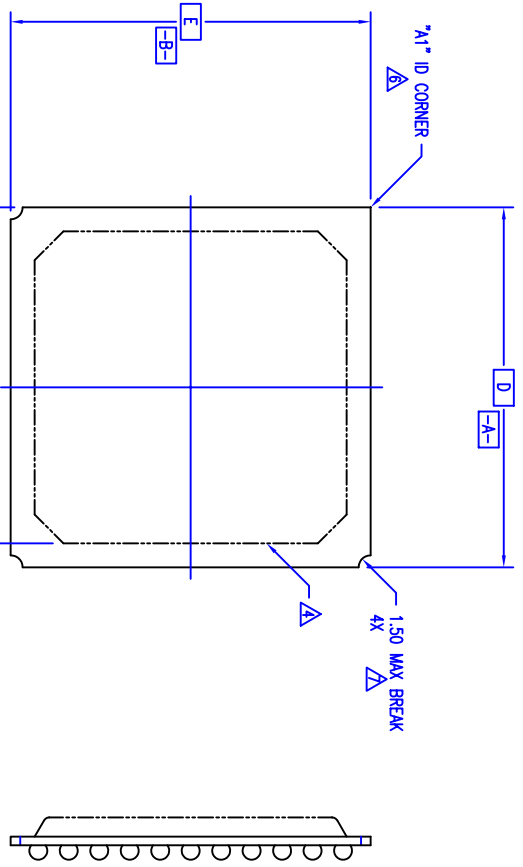
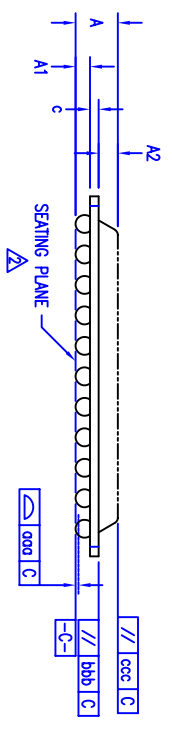



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	02/18/94	D.G.
01	ADD 74 BALL	06/11/98	D.G.
02	COMBINE POD & LAND PATTERN	06/05/13	KS

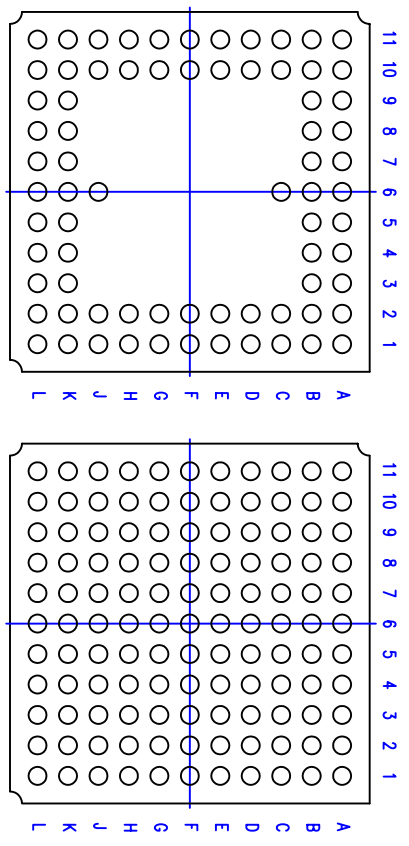


(121 BALL SHOWN)



TOLERANCES UNLESS SPECIFIED		 IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 www.idt.com
DECIMAL	±	
ANGULAR	±	
XXX±		
APPROVALS	DATE	TITLE
DRAWN Ad	02/18/94	BG PACKAGE OUTLINE
CHECKED		15.0 X 15.0 mm BODY
		PG&A
	SIZE C	DRAWING NO. PSC-4042
		REV 02
DO NOT SCALE DRAWING		SHEET 1 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	02/18/94	D.G.
01	ADD 74 BALL	06/11/98	D.G.
02	COMBINE POD & LAND PATTERN	06/05/13	KS



NOTES:

- ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
- SEATING PLANE AND PRIMARY DATUM $\boxed{-C-}$ ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS
- "MD" IS THE BALL MATRIX SIZE IN THE "D" DIRECTION
 "ME" IS THE BALL MATRIX SIZE IN THE "E" DIRECTION
 "N" IS THE NUMBER OF SOLDER BALLS
- PACKAGE MAY EXTEND TO EDGE PERIPHERY AND MAY CONSIST OF MOLDING COMPOUND, EPOXY, METAL, CERAMIC OR OTHER MATERIAL
- DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM $\boxed{-C-}$
- "A1" ID CORNER MUST BE IDENTIFIED. IDENTIFICATION MAY BE BY MEANS OF CHAMFER, METALIZED OR INK MARK, INDENTATION OR OTHER FEATURE OF THE PACKAGE BODY. MARK MUST BE VISIBLE FROM TOP SURFACE
- ACTUAL SHAPE OF THIS FEATURE IS OPTIONAL
- ALL DIMENSIONS ARE IN MILLIMETERS
- THIS DRAWING CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MO-151, VARIATION BAE-1

SYMBOL	JEDEC VARIATION			N P T E	JEDEC VARIATION			N P T E
	MIN	NOM	MAX		BAE-1	MIN	NOM	
A	-	2.15	3.50		-	2.15	3.50	
A1	.50	.60	.70		.50	.60	.70	
A2	-	-	2.50		-	-	2.50	
D		15.00 BSC				15.00 BSC		
D1		12.70 BSC				12.70 BSC		
E		15.00 BSC				15.00 BSC		
E1		12.70 BSC				12.70 BSC		
MD		11		3		11		3
ME		11		3		11		3
N		74		3		121		3
e		1.27 BSC				1.27 BSC		
b	.60	.75	.90	5	.60	.75	.90	5
c	.10	-	2.50		.10	-	2.50	
ccc	-	-	.20		-	-	.20	
bbb	-	-	.25		-	-	.25	
ccc	-	-	.35		-	-	.35	
ddd	-	-	.30		-	-	.30	
eee	-	-	.15		-	-	.15	

TOLERANCES UNLESS SPECIFIED

DECIMAL	±	ANGULAR
XXX.X		
XXXX.X		

APPROVALS: DRAWN **AD** DATE 02/18/94

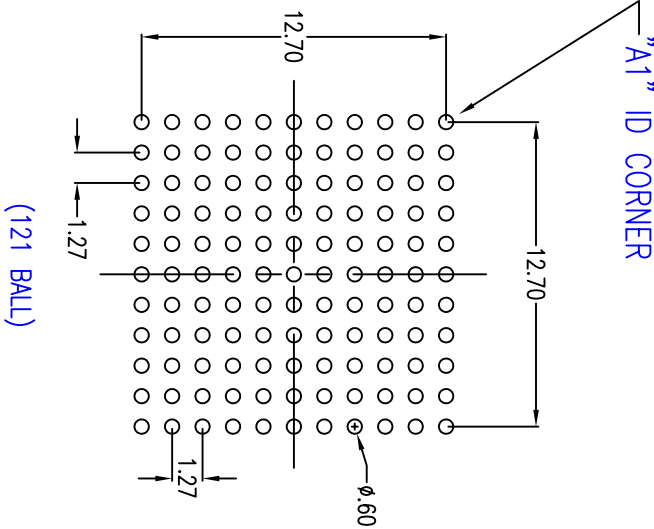
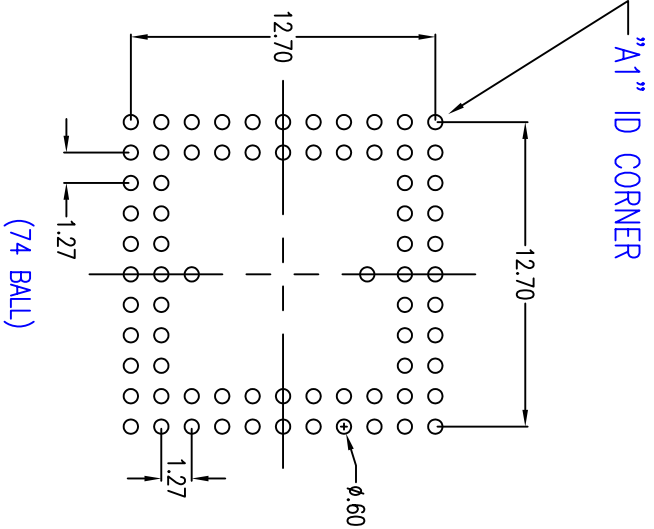
IDT 6024 SILVER CREEK VALLEY ROAD
 San Jose, CA 95138
 PHONE: (408) 284-8200
 FAX: (408) 492-8674

TITLE: BG PACKAGE OUTLINE
 15.0 X 15.0 mm BODY
 PBGA

SIZE: **C** DRAWING NO: **PSC-4042** REV: **02**

CHECKED: DO NOT SCALE DRAWING SHEET 2 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	02/18/94	D.G.
01	ADD 74 BALL	06/11/98	D.G.
02	COMBINE POD & LAND PATTERN	06/05/13	KS



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		IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674	
DECIMAL	ANGULAR	www.IDT.com	
XXX±	±	DRAWN: AD DATE: 02/18/94	
XXXX±		CHECKED:	
APPROVALS	DATE	TITLE	REV
		BG PACKAGE OUTLINE	02
		15.0 X 15.0 mm BODY	
		PBGA	
		SIZE: C	DRAWING NO.: PSC-4042
		DO NOT SCALE DRAWING	
		SHEET 3 OF 3	