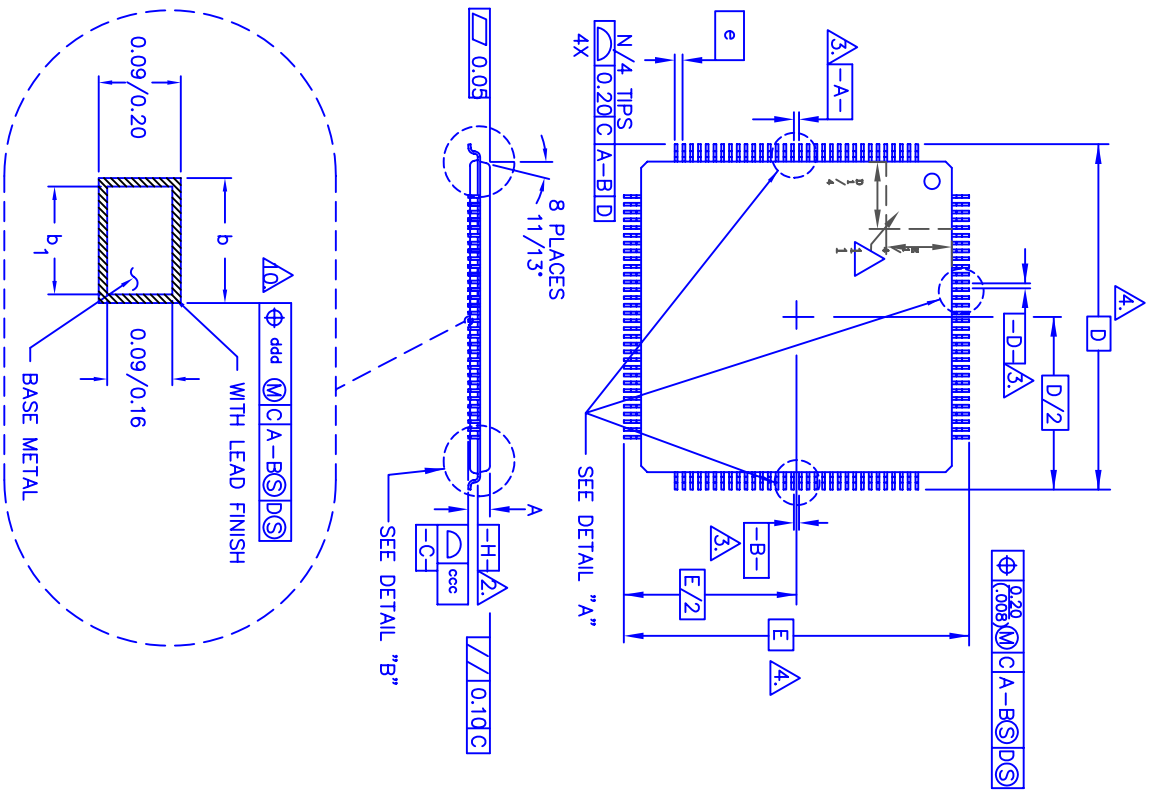
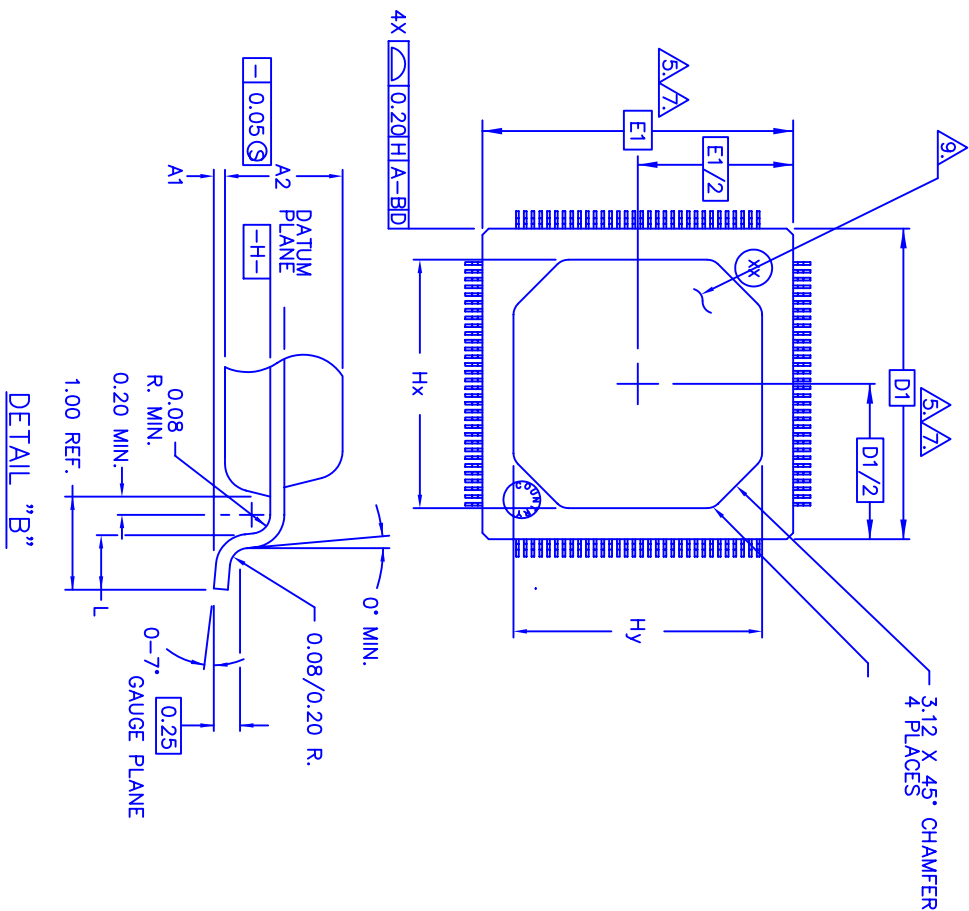


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/12/01	DX
01	COMBINE POD & LAND PATTERN	06/26/13	KS

TOP VIEW



BOTTOM VIEW



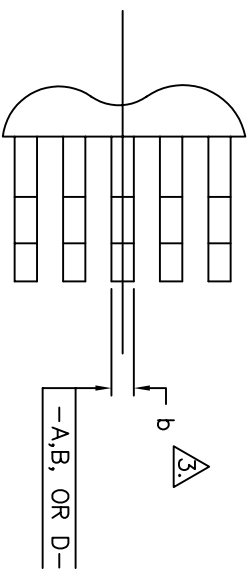
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL ANGULAR XX ±0.10 XXX ±0.06 XXXX ±0.08		6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 <b>IDT</b> www.IDT.com	
APPROVALS	DATE	DD 144 PACKAGE OUTLINE	
DRAWN <i>JS</i>	06/11/01	20 X 20 mm BODY TQFP PowerQuad2	
CHECKED		1.00/0.10 mm FORM, 1.40 mm THICK	
		DRAWING NO. PSC-4103	SIZE SCALE REV
		B	N/A 01
DO NOT SCALE DRAWING		SHEET 1 OF 3	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/12/01	DX
01	COMBINE POD & LAND PATTERN	06/26/13	KS

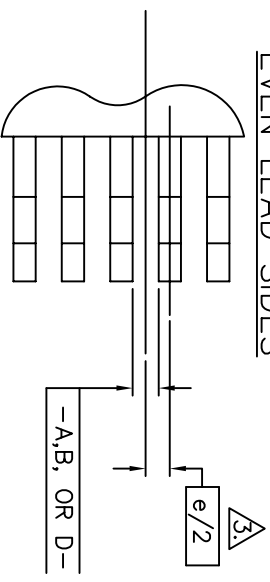
**NOTES:**

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5-1982.
2. DATUM PLANE [EH] LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DATUMS [AE] AND [ED] TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE [EH].
4. LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE [EH] TO BE DETERMINED AT SEATING PLANE [EG].
5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS 0.254 MM ON D1 AND E1 DIMENSIONS.
6. "N" IS THE TOTAL NUMBER OF TERMINALS.
7. THESE DIMENSIONS TO BE DETERMINED AT DATUM PLANE [EH].
8. THE TOP OF PACKAGE IS SMALLER THAN THE BOTTOM OF PACKAGE BY 0.15 MILLIMETERS.

**ODD LEAD SIDES**



**EVEN LEAD SIDES**



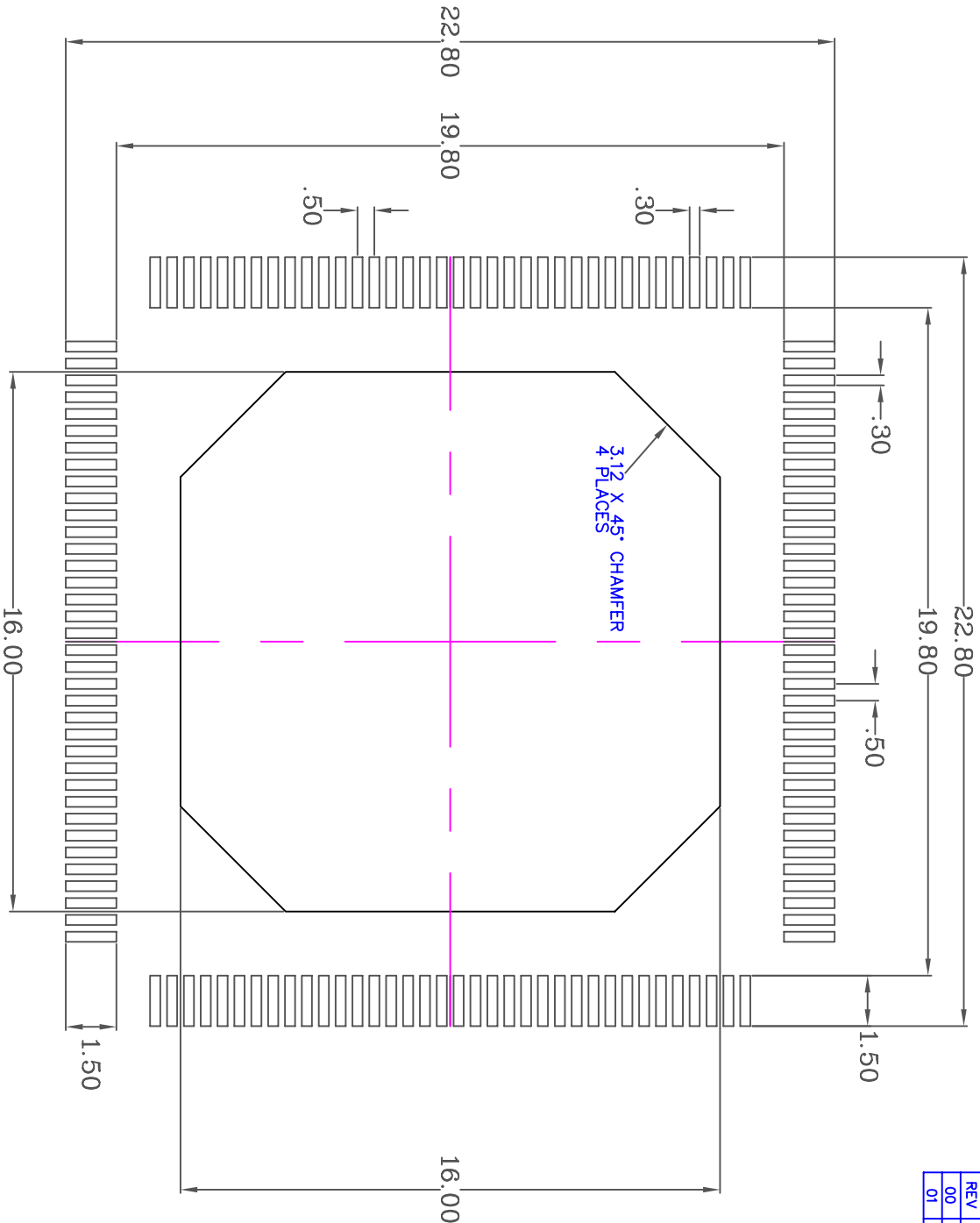
**DETAIL "A"**

9. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08mm TOTAL IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
10. DETAIL OF PIN 1 IDENTIFIER IS OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
11. ALL DIMENSIONS ARE IN MILLIMETER.
12. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS-026, VARIATION BFB.

(JEDEC VARIATION)				ALL DIMENSIONS IN MILLIMETERS	
S Y M B O L	MIN.	NOM.	MAX.	N O T E	
A	0.05	0.15	1.60		
A1	1.35	1.40	1.45		
A2					
D					
D1					
E1					
Hx	15.00 REF.	15.50 REF.	16.00 REF.		
Hy	15.00 REF.	15.50 REF.	16.00 REF.		
L	0.45	0.60	0.75		
N	144				
e	0.50 BSC.				
b	0.17	0.22	0.27	9	
b1	0.17	0.20	0.23		
ccc					
ddd					

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL XX ±0.10 XXX ±0.05 XXXX ±0.03		SPECIFIED ANGULAR ±1°	
APPROVALS	DATE	DD 144 PACKAGE OUTLINE	
DRAWN JDS	06/11/01	20 X 20 mm BODY TQFP PowerQuad2	
CHECKED		1.00/0.10 mm FORM, 1.40 mm THICK	
DRAWING NO.		PSC-4103	SIZE SCALE REV
		B	N/A 01
IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674		www.IDT.com DO NOT SCALE DRAWING	
SHEET 2 OF 3			

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/12/01	DX
01	COMBINE POD & LAND PATTERN	08/28/13	KS



**RECOMMENDED FOOT PRINT DIMENSION**

- NOTES:**
1. ALL DIMENSION ARE IN mm. ANGLES IN DEGREES.
  2. TOP DOWN VIEW. AS VIEWED ON PCB.
  3. LAND PATTERN IN BLACK. NSMD PATTERN ASSUMED.
  4. LAND PATTERN RECOMMENDATION PER IPC-7351B LP CALCULATOR.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		APPROVED	
DECIMAL	ANGULAR	DATE	DATE
XX.XX	XX.X	06/11/01	
XXX.XX	XXX.X		
XXXX.XX	XXXX.X		
APPROVALS	DATE	DD 144 PACKAGE OUTLINE	
DRAWN: JJC	06/11/01	20 X 20 mm BODY TQFP PowerQuad2	
CHECKED		1.00/0.10 mm FORM, 1.40 mm THICK	
		DRAWING No. PSC-4103	
		SIZE B	SCALE N/A
		REV 01	

**IDT** 6024 SILVER CREEK VALLEY ROAD  
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