

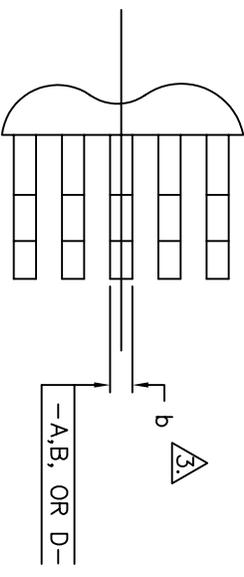


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/12/01	DX
01	COMBINE POD & LAND PATTERN	06/26/13	KS

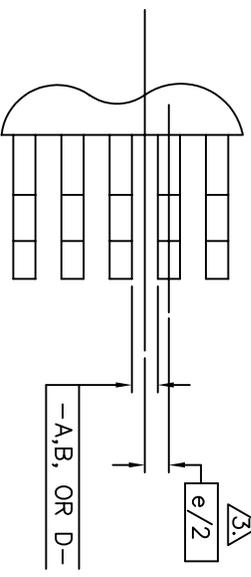
**NOTES:**

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.
9. HEAT SINK.

**ODD LEAD SIDES**



**EVEN LEAD SIDES**



**DETAIL "A"**

1. 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.
2. DETAIL OF PIN 1 IDENTIFIER IS OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
3. ALL DIMENSIONS ARE IN MILLIMETER.
4. 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

APPROVALS DATE  
 DRAIN 03 06/11/01  
 CHECKED

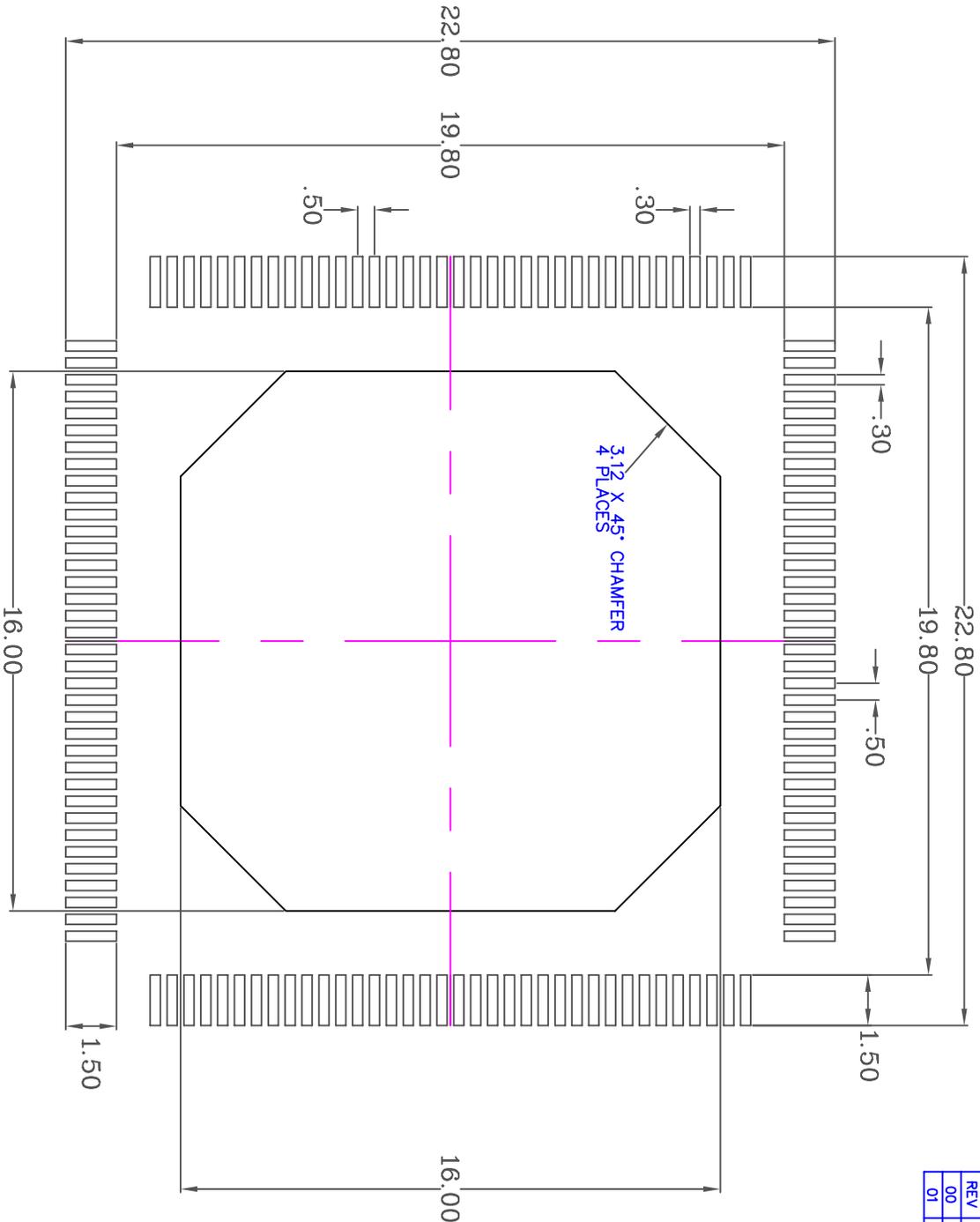
DD 144 PACKAGE OUTLINE  
 20 X 20 mm BODY TQFP PowerQuad2  
 1.00/0.10 mm FORM, 1.40 mm THICK

DRAWING NO. PSC-4103  
 SIZE SCALE REV  
 B N/A 01

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

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		APPROVALS		DATE	
DECIMAL	XX.XX	DRAWN	gjc	06/11/01	
ANGULAR	XX.X	CHECKED			
	XX.XX				
www.IDT.com		DD 144 PACKAGE OUTLINE			
IDT 6024 SILVER CREEK VALLEY ROAD		20 X 20 mm BODY TQFP PowerQuad2			
San Jose, CA 95138		1.00/0.10 mm FORM, 1.40 mm THICK			
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FAX: (408) 492-8674		SIZE SCALE REV			
		B N/A 01			
DO NOT SCALE DRAWING SHEET 3 OF 3					