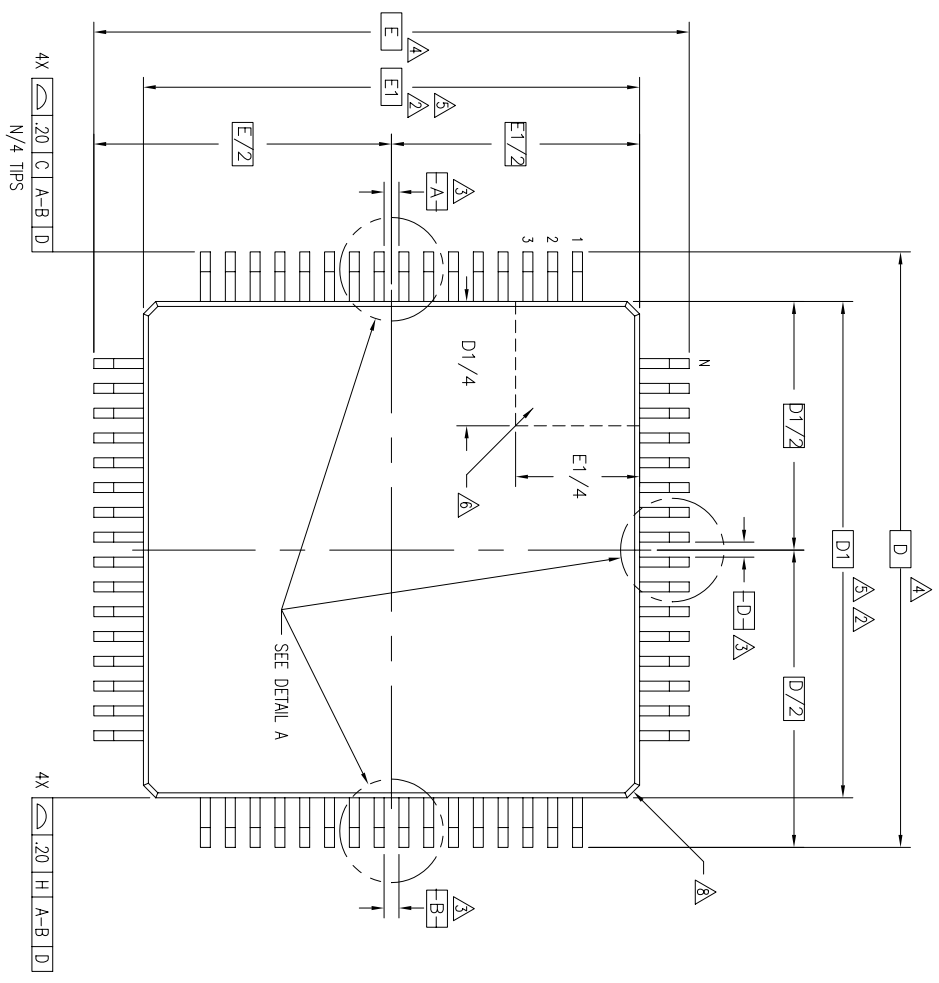
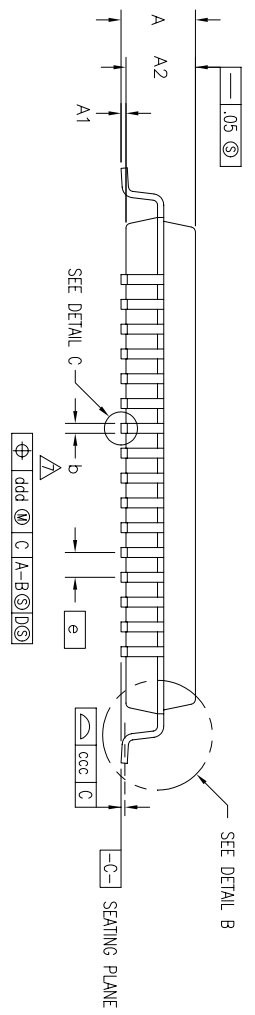


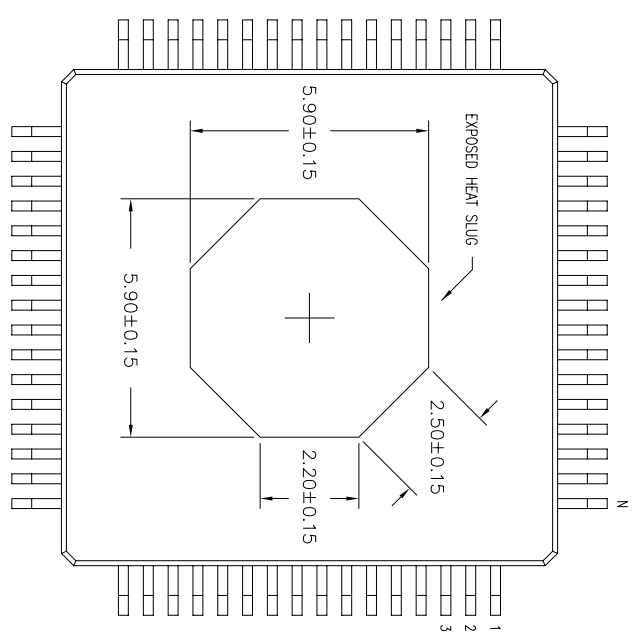
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	10/19/04	PKP
01	MODIFIED LAND PATTERN DIM	05/06/05	PKP
02	PACKAGE CODE	12/10/12	RC



TOP VIEW



SEATING PLANE



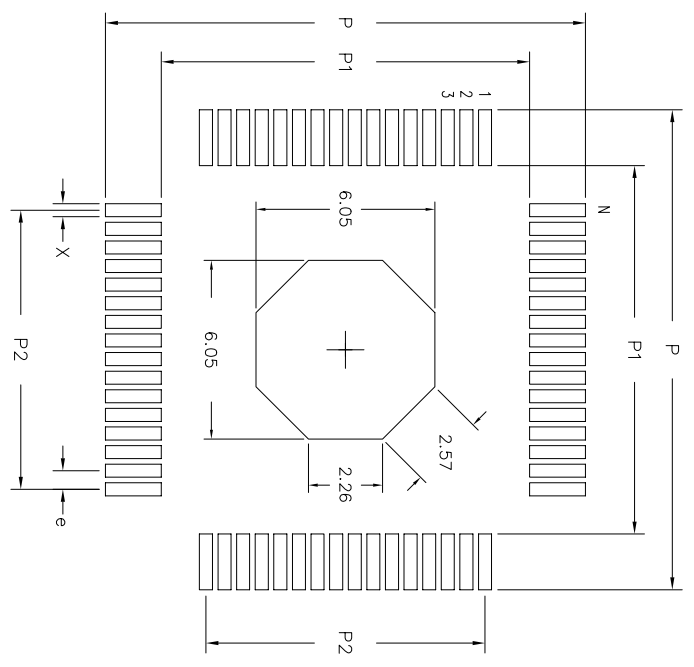
BOTTOM VIEW

TOLERANCES UNLESS SPECIFIED		www.IDT.com	
DECIMAL	ANGULAR	6024 Silvercreek Valley Rd San Jose CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-8591	
XXX±	±	10.0 X 10.0 X 1.4 mm TQFP	
APPROVALS	DATE	1.00/.10 mm FORM	
DRAWN <i>gpc</i>	10/18/04	DRAWING No. PSC-4141	
CHECKED		REV 02	
DO NOT SCALE DRAWING		SHEET 1 OF 3	



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	10/19/04	PKP
01	MODIFIED LAND PATTERN DIM	05/06/05	PKP
02	ADD PACKAGE CODE	12/10/12	RC

### LAND PATTERN DIMENSIONS



	MIN	MAX	MIN	MAX
P	12.80	13.00	12.80	13.00
P1	9.80	10.00	9.80	10.00
P2	8.00	BSC	7.50	BSC
X	.45	.60	.30	.40
e	.80	BSC	.50	BSC
N	44		64	

SYMBOL	DK/DKG44			N	P	E
	JEDEC VARIATION					
MBOLO	BCB-HD			4	12.00	BSC
	MIN	NOM	MAX			
	A	-	1.60			
A1	.05	.10	.15			
A2	1.35	1.40	1.45			
D	12.00	BSC		4		
D1	10.00	BSC		5,2		
E	12.00	BSC		4		
E1	10.00	BSC		5,2		
N	44					
e	.80 BSC					
b	.30	.37	.45	7		
b1	.30	.35	.40			
ccc	-	-	.10			
ddd	-	-	.20			

SYMBOL	DK/DKG64			N	P	E
	JEDEC VARIATION					
MBOLO	BCD-HD			4	12.00	BSC
	MIN	NOM	MAX			
	A	-	1.60			
A1	.05	.10	.15			
A2	1.35	1.40	1.45			
D	12.00	BSC		4		
D1	10.00	BSC		5,2		
E	12.00	BSC		4		
E1	10.00	BSC		5,2		
N	64					
e	.50 BSC					
b	.17	.22	.27	7		
b1	.17	.20	.23			
ccc	-	-	.08			
ddd	-	-	.08			

### NOTES:

- ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
- TOP PACKAGE MAY BE SMALLER THAN BOTTOM PACKAGE BY .15 mm
- DATUMS [A-B] AND [-D-] TO BE DETERMINED AT DATUM PLANE [-H-]
- DIMENSIONS D AND E ARE TO BE DETERMINED AT SEATING PLANE [-C-]
- DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS .25 mm PER SIDE. D1 AND E1 ARE MAXIMUM BODY SIZE DIMENSIONS INCLUDING MOLD MISMATCH
- DETAILS OF PIN 1 IDENTIFIER IS OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED
- DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION IS .08 mm IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
- EXACT SHAPE OF EACH CORNER IS OPTIONAL
- THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN .10 AND .25 mm FROM THE LEAD TIP
- ALL DIMENSIONS ARE IN MILLIMETERS
- THIS OUTLINE CONFORMS TO JEDEC REGISTRATION MS-026.

**TOLERANCES UNLESS SPECIFIED**

DECIMAL	±
ANGULAR	±

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**DRAIN P2CP** 10/18/04  
APPROVALS DATE  
CHECKED

**SIZE** DK/DKG PACKAGE OUTLINE  
10.0 x 10.0 x 1.4 mm TQFP  
DRAWING No. PSC-4141  
DO NOT SCALE DRAWING

**REV** 02  
SHEET 3 OF 3