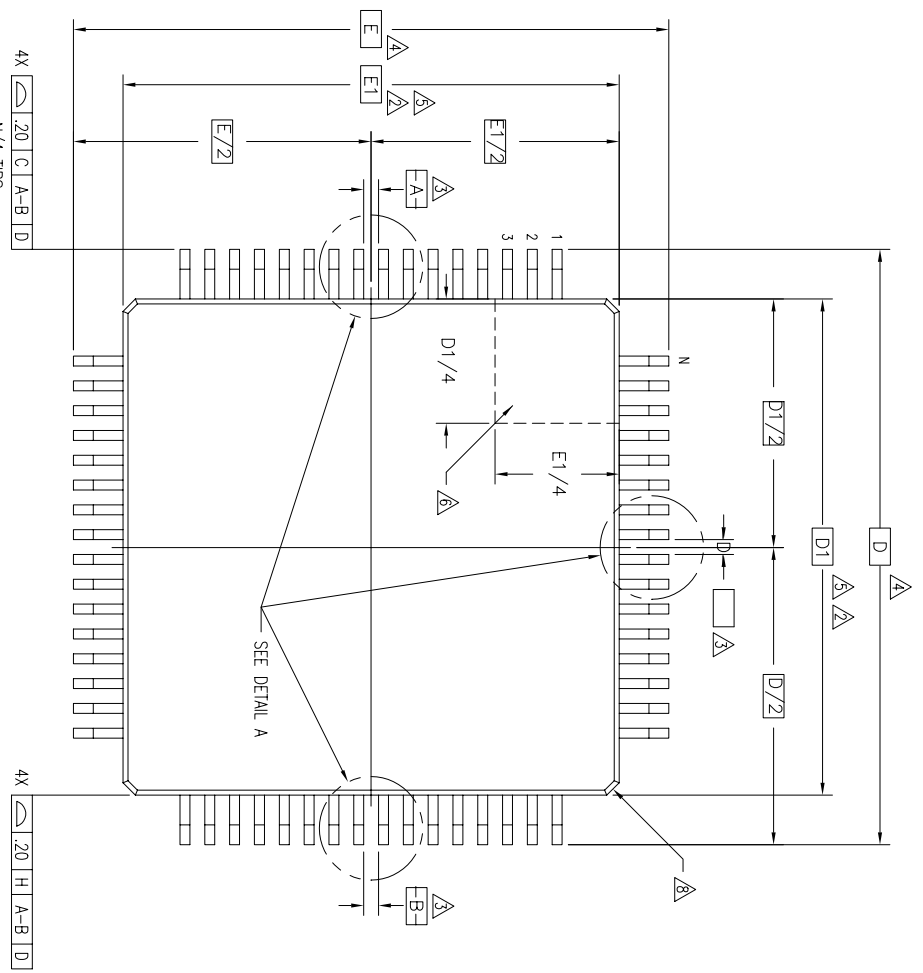
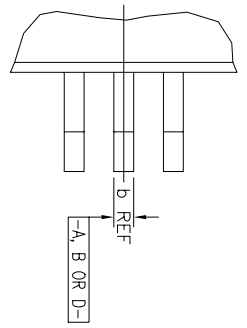
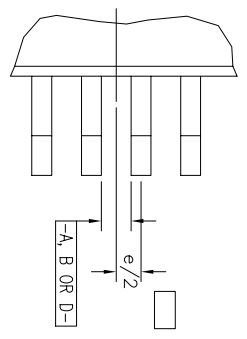


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
06	ADDED TABLE FOR 52-PIN	06/12/06	TU VU
07	ADDED PACKAGE CODE	12/12/12	RC

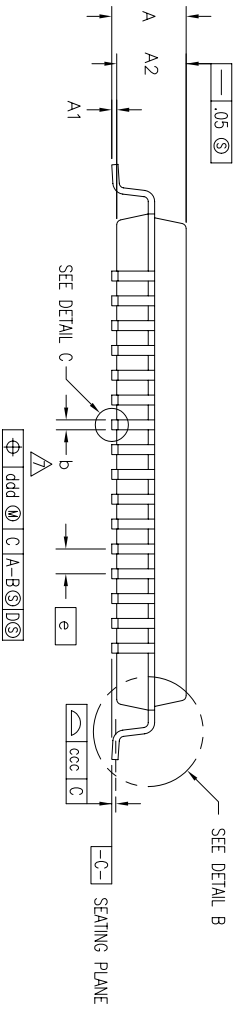


EVEN LEAD SIDES

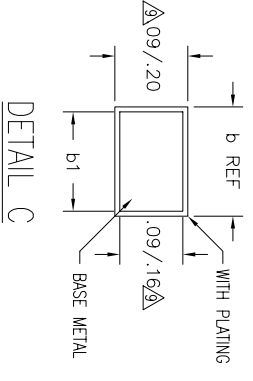
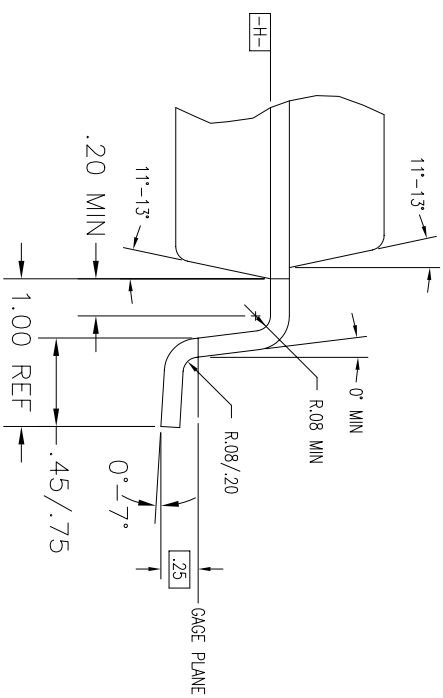
ODD LEAD SIDES



DETAIL A



DETAIL B



DETAIL C

TOLERANCES UNLESS SPECIFIED		www.IDT.com	
DECIMAL	ANGULAR	6024 Silver Creek Valley Rd San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3572	
XXXX	±	IDT™	
APPROVALS	DATE	PP/PPG PACKAGE OUTLINE	
DRAWN 379	11/18/94	10.0 X 10.0 X 1.4 mm STOPP/10FP	
CHECKED		1.00/.10 FORM	
SIZE	DRAWING No.	PSC-4046	REV 07
C			
DO NOT SCALE DRAWING		SHEET 1 OF 2	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
06	ADDED TABLE FOR 52-PIN	06/12/06	TU VU
07	ADDED PACKAGE CODE	12/12/12	RC

PP/PPG44					
SYMBO L	JEDEC VARIATION			N O P E	F
	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		

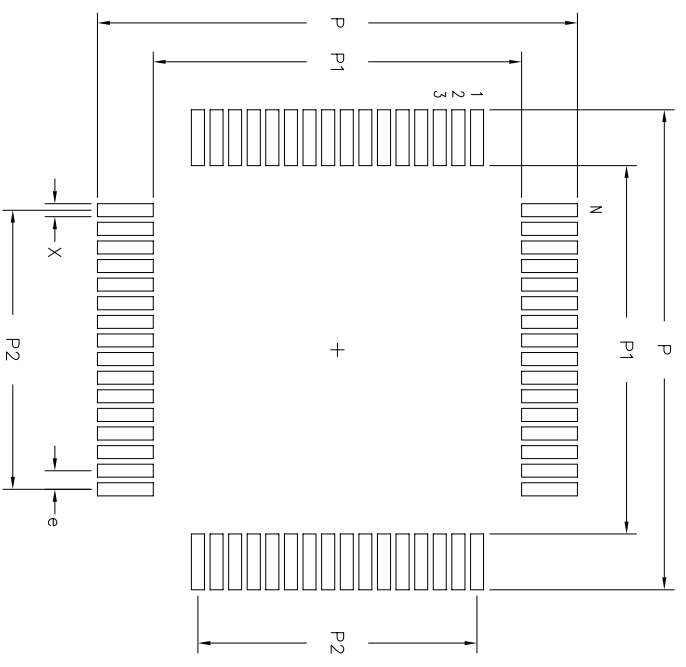
PP/PPG52					
SYMBO L	JEDEC VARIATION			N O P E	F
	MIN	NOM	MAX		
A	—	—	1.60		
A1	.05	.10	.15		
A2	1.35	1.40	1.45		
D	12.00	BSC		4	
D1	10.00	BSC		5,2	
E	12.00	BSC		4	
E1	10.00	BSC		5,2	
N		52			
e	.65	BSC			
b	.22	.30	.38	7	
b1	.22	.28	.33		
ccc	—	—	.10		
ddd	—	—	.08		

PP/PPG64					
SYMBO L	JEDEC VARIATION			N O P E	F
	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 PUBLICATION 95 REGISTRATION MO-136, VARIATION BU AND REGISTRATION MS-026, VARIATION BGB.

LAND PATTERN DIMENSIONS



	PP44		PP52		PP64	
	MIN	MAX	MIN	MAX	MIN	MAX
P	12.80	13.00	12.80	13.00	12.80	13.00
P1	9.80	10.00	9.80	10.00	9.80	10.00
P2	8.00	BSC	7.80	BSC	7.50	BSC
X	.45	.60	.40	.50	.30	.40
e	.80	BSC	.65	BSC	.50	BSC
N		44		52		64

TOLERANCES UNLESS SPECIFIED

DECIMAL ANGULAR ±

XXXX±

APPROVALS DATE 11/18/94

CHECKED

SIZE C

DRAWING No. PSC-4046

DO NOT SCALE DRAWING

SHEET 2 OF 2

www.IDT.com

10.0 X 10.0 X 1.4 mm SIOFP/10FP

1.00/.10 FORM

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