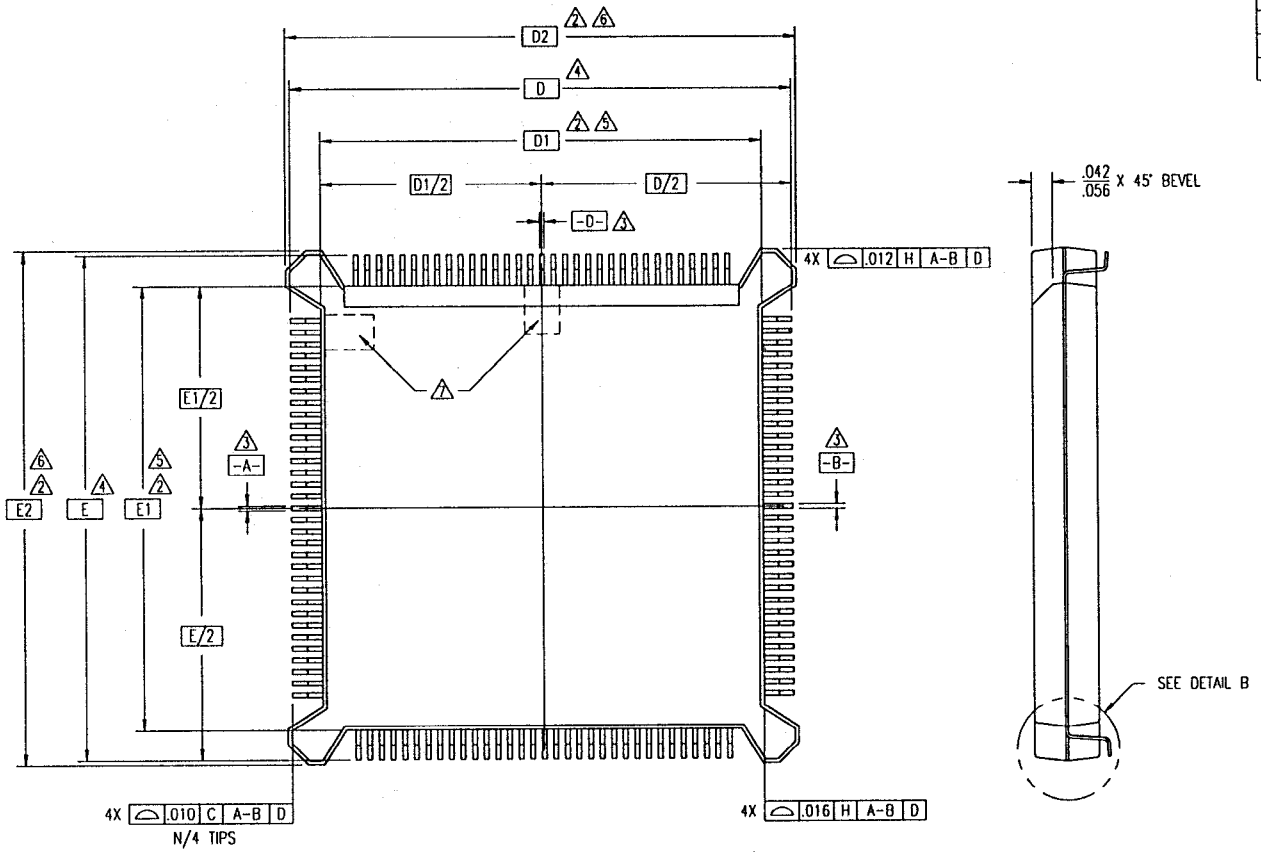
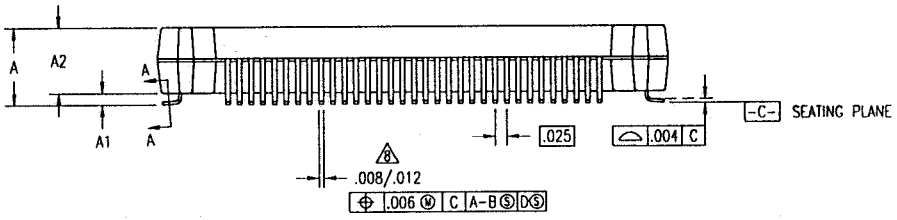
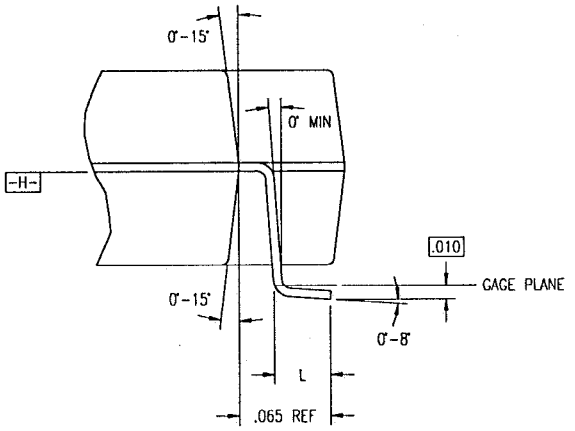
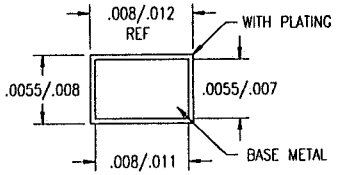
REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
27663	02	REDRAW TO JEDEC FORMAT	03/15/95	T. VU
29349	03	CHANGE PIN 1 ID FROM TOP CENTER	09/20/96	T. VU
60262	04	ADD OPTIONAL PIN 1 ID AT TOP CENTER	06/25/97	







DETAIL B



SECTION A-A

TOLERANCES UNLESS SPECIFIED	
DECIMAL	ANGULAR
XX±	±
XXX±	
XXXX±	

APPROVALS	DATE
DRAWN AA	10/15/97
CHECKED	

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA 95054
PHONE: (408) 727-6116
FAX: (408) 492-8674 TWX: 910-338-2070

TITLE PQ PACKAGE OUTLINE
PLASTIC QUAD FLAT PACK – PQFP
.025" PITCH

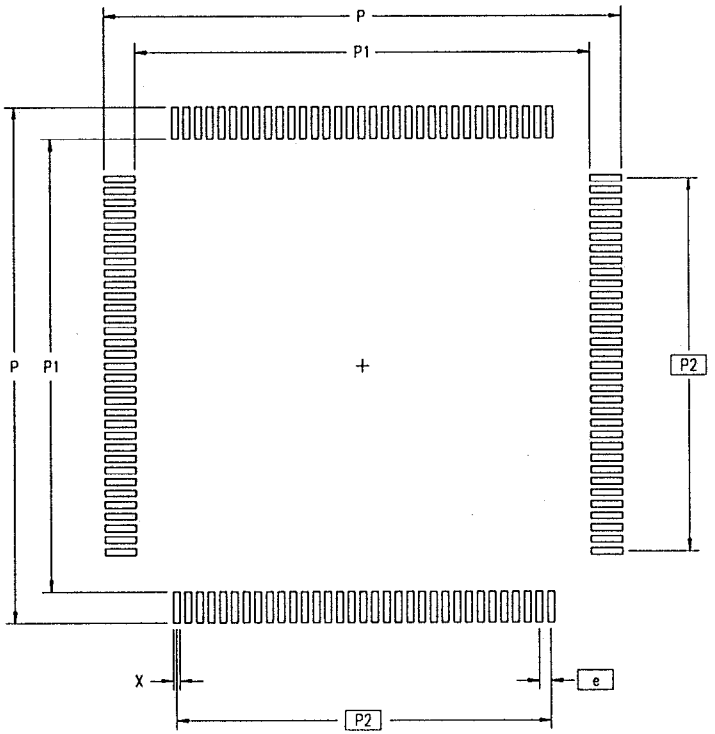
SIZE	DRAWING No.	REV
C	PSC-4021	04

DO NOT SCALE DRAWING SHEET 1 OF 2

REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
27663	02	REDRAW TO JEDEC FORMAT	03/15/95	T. VU
29349	03	CHANGE PIN 1 ID FROM TOP CENTER	09/20/96	T. VU
60262	04	ADD OPTIONAL PIN 1 ID AT TOP CENTER	06/25/97	

SYMBOL	JEDEC VARIATION AE			NOTE
	MIN	NOM	MAX	
A	.160	.170	.180	
A1	.020	.030	.040	
A2	.130	.140	.150	
D		1.080 BSC		4
D1		.950 BSC		5,2
D2		1.100 BSC		6,2
E		1.080 BSC		4
E1		.950 BSC		5,2
E2		1.100 BSC		6,2
L	.036	-	.046	11
N		132		

LAND PATTERN DIMENSIONS



	MIN	MAX
P	1.102	1.110
P1	.968	.976
P2	.800 BSC	
X	.010	.018
e	.025 BSC	
N	132	

NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
2. DIMENSIONS D1, D2, E1 & E2 TO BE DETERMINED AT DATUM PLANE -H-
3. DATUMS A-B AND -D- TO BE DETERMINED AT DATUM PLANE -H-
4. DIMENSIONS D AND E ARE TO BE DETERMINED AT SEATING PLANE -C-
5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS .010 PER SIDE. D1 AND E1 ARE MAXIMUM BODY SIZE DIMENSIONS INCLUDING MOLD MISMATCH
6. DIMENSIONS D2 AND E2 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS .007 PER SIDE. D2 AND E2 ARE MAXIMUM BODY SIZE DIMENSIONS INCLUDING MOLD MISMATCH
7. DETAIL OF MECHANICAL PIN 1 IDENTIFIER IS OPTIONAL BUT MUST BE LOCATED WITHIN EITHER OF THE TWO ZONES INDICATED. MAX WIDTH=.075, MAX LENGTH=.105 ELECTRICAL PIN 1 IS LOCATED AT THE CENTER OF THE BEVEL OF THE PACKAGE
8. LEAD WIDTH DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION IS .004 IN EXCESS OF THE LEAD WIDTH DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT
9. THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN .005 AND .010 FROM THE LEAD TIP
10. ALL DIMENSIONS ARE IN INCHES
11. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MO-069, VARIATION AE. EXCEPTION: JEDEC MECHANICAL PIN 1 IDENTIFIER IS LOCATED AT THE UPPER LEFT ONLY

TOLERANCES UNLESS SPECIFIED
DECIMAL XX± XXX± XXXX±
ANGULAR ±

APPROVALS	DATE
DRAWN AA	10/15/87
CHECKED	

Integrated Device Technology, Inc.
2975 Stender Way, Santa Clara, CA 95054
PHONE: (408) 727-6116
FAX: (408) 492-8674 TWX: 910-338-2070

TITLE PQ PACKAGE OUTLINE
PLASTIC QUAD FLAT PACK - PQFP
.025" PITCH

SIZE C | DRAWING No. PSC-4021 | REV 04

DO NOT SCALE DRAWING | SHEET 2 OF 2