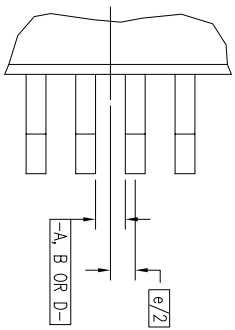
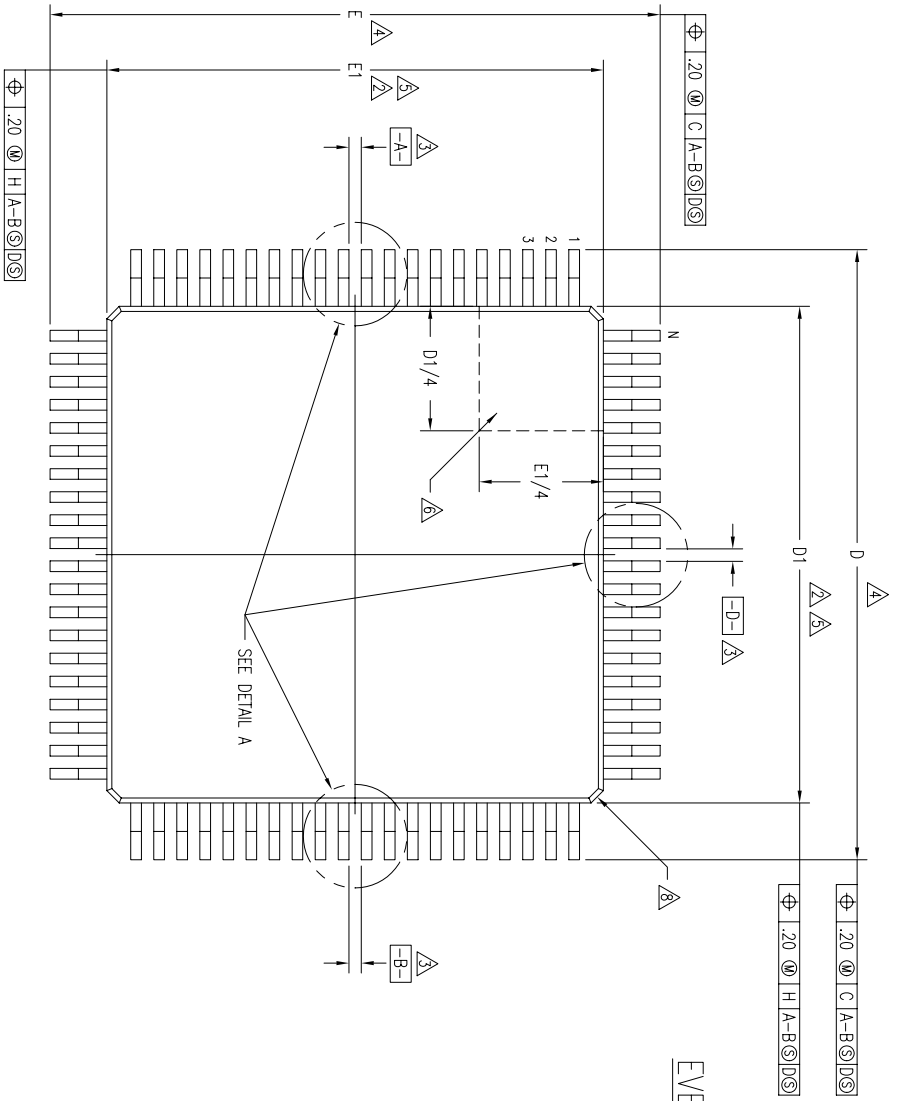
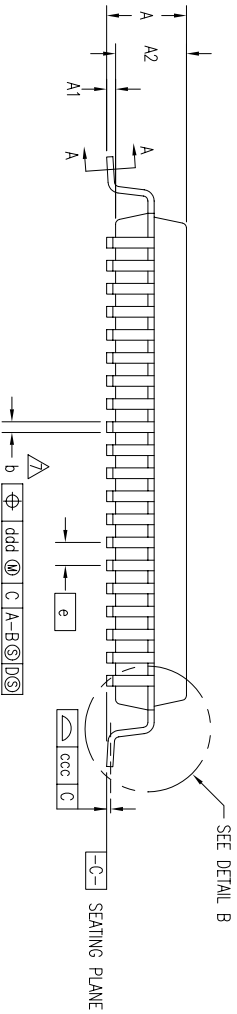


REV	DESCRIPTION	DATE	APPROVED
04	REDRAW TO JEDEC FORMAT	01/24/92	T. VU
05	ADDED 64 LEAD	4/26/01	T. VU
06	REDRAW TO MS-022 FORMAT	5/31/01	T. VU
07	CORRECTED DETAIL "A"	09/26/01	P.P. Park
08	ADD "GREEN" NOMENCLATURE	11/11/04	S. Park
09	ADD PACKAGE CODE	12/12/12	GPC

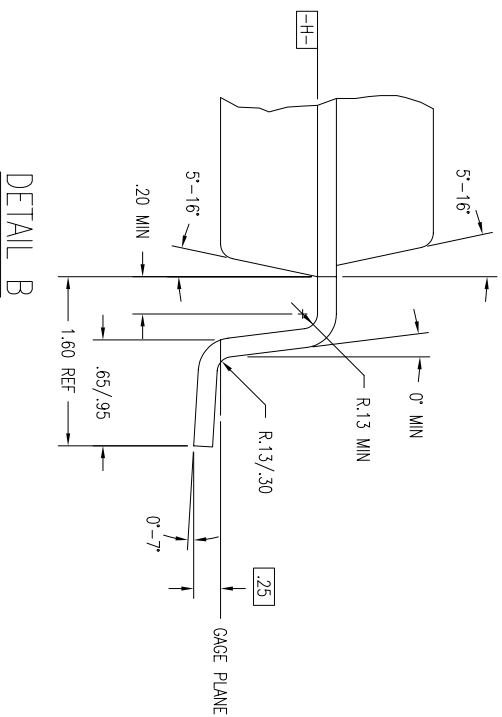
### EVEN LEAD SIDES



DETAIL A



SECTION A-A



DETAIL B

TOLERANCES UNLESS SPECIFIED		www.IDT.com	
DECIMAL	ANGULAR	6024 SILVERCREEK VALLEY RD	
XXX±	±	SAN JOSE CA 95138	
XXXX±		PHONE: (408) 284-8200	
XXXX±		FAX: (408) 284-8591	
APPROVALS	DATE	TITLE	SIZE
DRAWN <i>AD</i>	01/15/92	PM/PMG PACKAGE OUTLINE	14.0 X 14.0 X 2.0 mm PQFP
CHECKED		1.60/.25 MAX FORM	
		DRAWING No. PSC-4035	REV 09
DO NOT SCALE DRAWING		SHEET 1 OF 2	

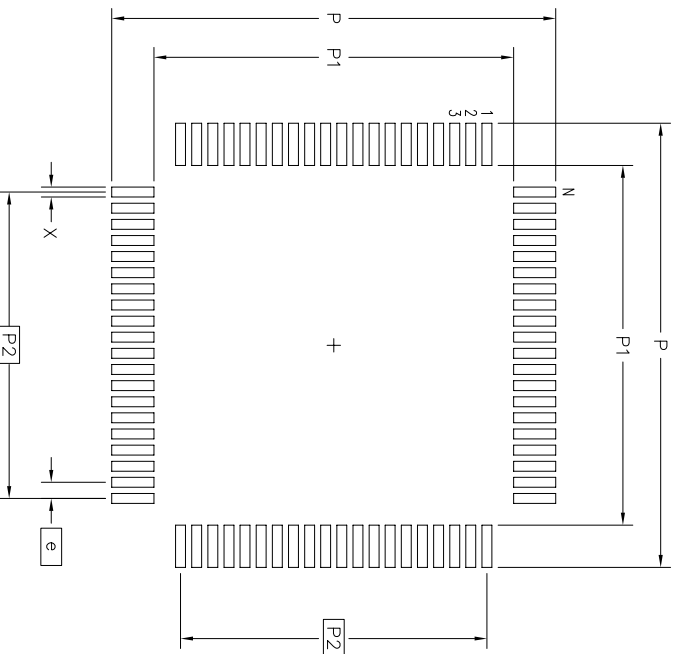
REV	DESCRIPTION	DATE	APPROVED
04	REDRAW TO JEDEC FORMAT	01/24/92	T. VU
05	ADDED 64 LEAD	4/26/01	T. VU
06	REDRAW TO MS-022 FORMAT	5/31/01	T. VU
07	CORRECTED DETAIL A	09/26/02	<i>PP</i>
08	ADD "GREEN" NOMENCLATURE	11/11/04	<i>STL</i>
	ADD PACKAGE CODE	12/12/12	<i>RG</i>

### LAND PATTERN DIMENSIONS

SYMBOL	PM/PMG64				PM/PMG80			
	JEDEC VARIATION		JEDEC VARIATION		BC		MAX	
MIN	NOM	MAX	MIN	NOM	MAX	MIN	MAX	
A	—	2.45	—	—	2.45	—	—	
A1	.00	—	.25	.00	—	.25	—	
A2	1.80	2.00	2.20	1.80	2.00	2.20	—	
D	16.95	17.20	17.45	16.95	17.20	17.45	4	
D1	13.90	14.00	14.10	13.90	14.00	14.10	5.2	
E	16.95	17.20	17.45	16.95	17.20	17.45	4	
E1	13.90	14.00	14.10	13.90	14.00	14.10	5.2	
N	64			80			—	
e	.80 BSC			.65 BSC			—	
b	.29	—	.45	.22	—	.40	7	
b1	.29	.35	.41	.22	.30	.36	—	
ccc	—	—	.10	—	—	.10	—	
ddd	—	—	.20	—	—	.13	—	

### 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 BODY SIZE DIMENSIONS INCLUDING MOLD MISMATCH
- DETAIL 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 96 REGISTRATION MS-022.



	MIN	MAX	MIN	MAX
P	17.80	18.00	17.80	18.00
P1	14.40	14.60	14.40	14.60
P2	12.00 BSC	12.35 BSC		
X	.40	.50	.35	.45
e	.80 BSC	.65 BSC		
N	64		80	

TOLERANCES UNLESS SPECIFIED		6024 SILVERCREEK VALLEY RD	
DECIMAL	±	SAN JOSE CA 95138	
ANGULAR	±	PHONE: (408) 284-8200	
XXXX±		FAX: (408) 284-8591	
XXXX±		www.IDT.com	
APPROVALS	DATE	TITLE	PM/PMG PACKAGE OUTLINE
DRAWN <i>AD</i>	01/15/92	14.0 X 14.0 X 2.0 mm PQFP	
CHECKED		1.60/.25 MAX FORM	
SIZE	DRAWING No.	PSC-4035	REV 09
DO NOT SCALE DRAWING		SHEET 2 OF 2	