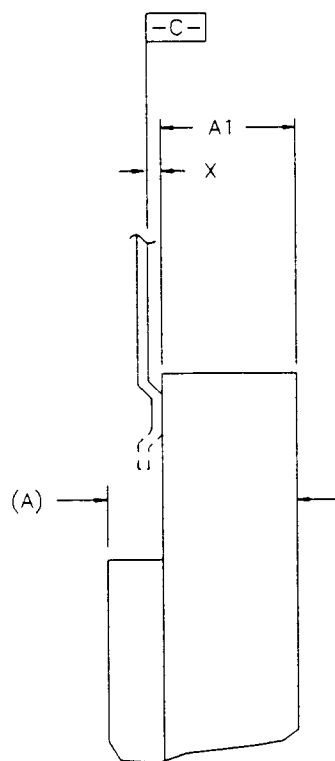
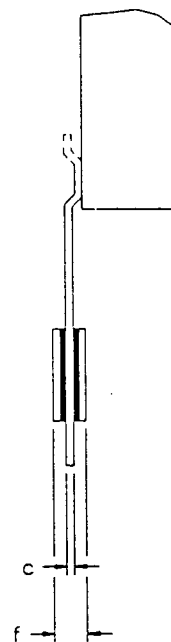


National Semiconductor has stated that U.S. Patent No. 4,796,080 may relate to a certain implementation of this package outline. The sponsor has not agreed with this statement.

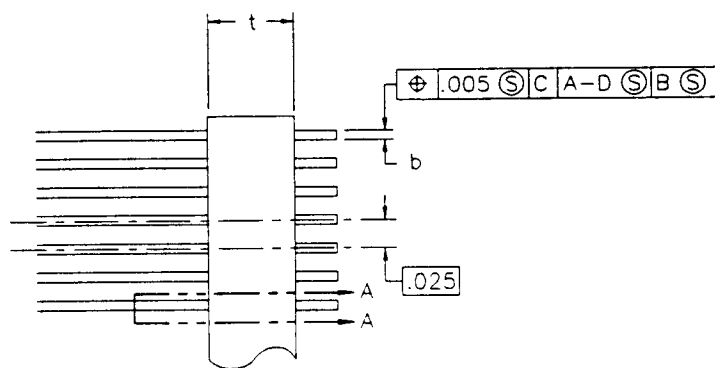
JEDEC Solid State Product Outline	TOP BRAZED CERAMIC LEADED CHIP CARRIER (.025 INCH LEAD PITCH) WITH PLASTIC NON-CONDUCTIVE TIE BAR	ISSUE A	DATE Sept. 1992	MO-131	SHEET 1/5
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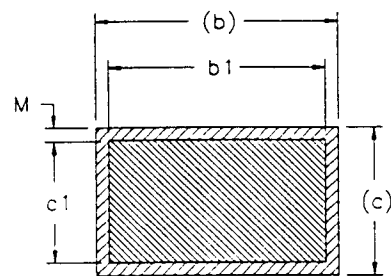
DETAIL A



DETAIL B

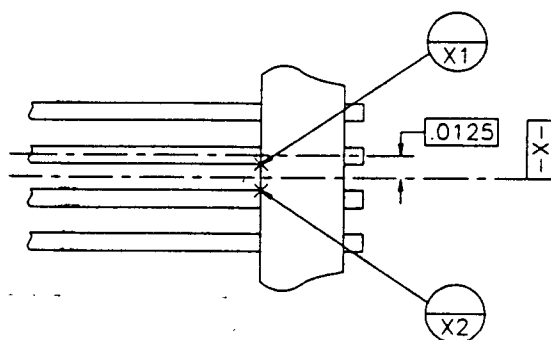


DETAIL C



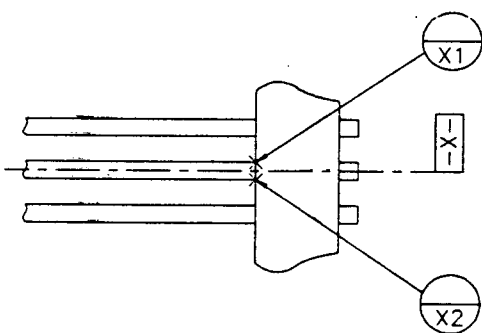
SECTION A-A \triangle

<p>JEDEC Solid State Product Outline</p>	<p>TOP BRAZED CERAMIC LEADED CHIP CARRIER (.025 INCH LEAD PITCH) WITH PLASTIC NON-CONDUCTIVE TIE BAR</p>	<p>ISSUE A</p>	<p>DATE Sept. 1992</p>	<p>M0-131</p>	<p>SHEET 2/5</p>
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X = -A- , -B- OR -D-

EVEN LEAD SIDES



X = -A- , -B- OR -D-

ODD LEAD SIDES

DETAIL "D"

<p>JEDEC Solid State Product Outline</p>	<p>TOP BRAZED CERAMIC LEADED CHIP CARRIER (.025 INCH LEAD PITCH) WITH PLASTIC NON-CONDUCTIVE TIE BAR</p>	<p>ISSUE A</p>	<p>DATE Sept. 1992</p>	<p>M0-131</p>	<p>SHEET 3/5</p>
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SYMBOL	VARIATIONS						
	AA			NOTE	AB		
	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.
A	—	—	0.130		—	—	0.140
A1	—	—	0.105		—	—	0.105
b	0.006	0.008	0.010		0.006	0.008	0.010
b1	0.005	0.007	0.009	6	0.005	0.007	0.009
c	0.004	0.006	0.008		0.004	0.006	0.008
c1	0.003	0.005	0.007	6	0.003	0.005	0.007
D	0.935	0.950	0.965		1.035	1.050	1.065
D2	1.510	1.520	1.530		1.710	1.720	1.730
D3	—	—	1.540		—	—	1.740
D4	0.820	0.830	0.840		0.895	0.905	0.915
E	0.935	0.950	0.965		1.035	1.050	1.065
E2	1.510	1.520	1.530		1.710	1.720	1.730
E3	—	—	1.540		—	—	1.740
E4	0.820	0.830	0.840		0.895	0.905	0.915
f	0.015	0.035	0.045		0.015	0.035	0.045
X	0.002	0.008	0.014		0.002	0.008	0.014
L1	0.190	—	—		0.190	—	—
M	—	—	0.0005	6	—	—	0.0005
t	0.040	0.065	0.090		0.040	0.065	0.090
N		132		3		144	3

NOTE 1.7

REF ITEM 10-290

ISSUE A

SYMBOL	VARIATIONS						
	AC			NOTE	AD		
	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.
A	—	—	0.140		—	—	0.175
A1	—	—	0.105		—	—	0.105
b	0.006	0.008	0.010		0.006	0.008	0.010
b1	0.005	0.007	0.009	6	0.005	0.007	0.009
c	0.004	0.006	0.008		0.004	0.006	0.008
c1	0.003	0.005	0.007	6	0.003	0.005	0.007
D	1.335	1.350	1.365		1.510	1.525	1.540
D2	1.900	1.910	1.920		2.210	2.220	2.230
D3	—	—	1.930		—	—	2.240
D4	1.220	1.230	1.240		1.395	1.405	1.415
E	1.335	1.350	1.365		1.510	1.525	1.540
E2	1.900	1.910	1.920		2.210	2.220	2.230
E3	—	—	1.930		—	—	2.240
E4	1.220	1.230	1.240		1.395	1.405	1.415
f	0.015	0.035	0.045		0.015	0.035	0.045
X	0.002	0.008	0.014		0.002	0.008	0.014
L1	0.190	—	—		0.190	—	—
M	—	—	0.0005	6	—	—	0.0005
t	0.040	0.065	0.090		0.040	0.065	0.090
N		196		3		224	3

NOTE 1.7

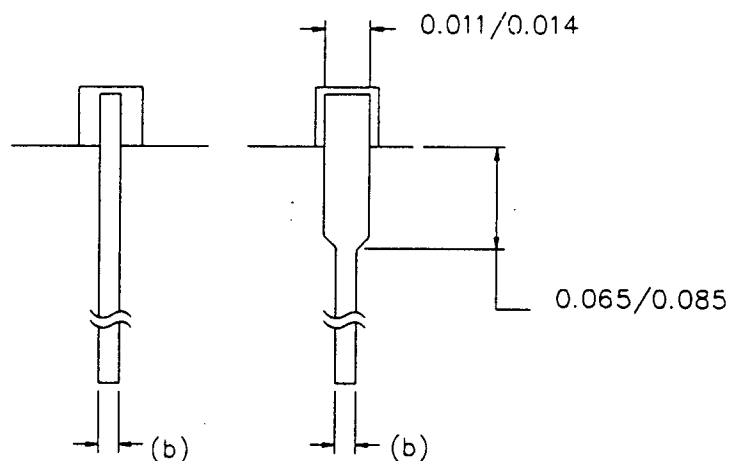
REF ITEM 10-290

ISSUE A

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LEAD OPTIONS $\triangle 4$

OPTION A OPTION B



NOTES:

1. All dimensions are in inches.

$\triangle 2$ Plastic tie bar corners with or without metal leadframe corners may be included in the "as is" shipped package.

3. Dimension N: Number of leads. For drawing clarity, not all leads are shown. Actual packages have a continuous array of leads.

$\triangle 4$ Straight or step option.

5 Plastic tie bar will not overhang lead tips.

$\triangle 6$ Dimensions b1 and c1 apply to base metal only.
Dimension M applies to plating thickness.

$\triangle 7$ Datum $\boxed{A-D}$ and $\boxed{-B-}$ to be determined by datum points where leads contact the tie bar.

8. Dimensioning and tolerancing per ANSI Y14.5M-1982.

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