



FIGURE 1

## NOTES:

1. Controlling Dimensions: INCH  
In case of conflict between the English and metric dimensions, the inch dimensions control.
2. Dimensioning and tolerancing per ANSI Y14.5M-1982.
3. Symbols are defined in the "MO Series Symbol List" in Section 2.2 of Publication No. 95.
4. Dimensions A, A1, and L are measured with the package seated in JEDEC Seating Plane Gauge GS-3.
5. D and E1 dimensions, for ceramic packages, include allowance for glass overrun and meniscus, and lid to base mismatch.
6. D and E1 dimensions for plastic packages, do not include mold flash or protrusions. Mold flash or protrusions shall not exceed .010 inch (0.25 mm).
7. E and eA measured with the leads constrained to be perpendicular to plane T.
8. eB and eC are measured at the lead tips with the leads unconstrained. eC must be zero or greater.
9. N is the maximum number of terminal positions.
10. Corner leads (1, N, N/2, and N/2+1) may be configured as shown in Figure 2.
11. Pointed or rounded lead tips are preferred to ease insertion.
12. For automatic insertion, any raised irregularity on the top surface (step, mesa, etc.) shall be symmetrical about the lateral and longitudinal package centerlines.
13. The package outline applies to devices in plastic packages.
14. This outline applies to devices in ceramic packages.

JEDEC  
SOLID STATE PRODUCT  
OUTLINES

TITLE STANDARD  
DUAL-IN-LINE FAMILY  
.600 INCH ROW SPACING (PLASTIC)

ISSUE  
B

DATE  
6/88

MS-011 AA-AD

SYMBOL	COMMON DIMENSIONS			NOTE	6		9	ALL DIMENSIONS IN INCHES	
	MIN.	MAX.	NOTE	VARIATIONS	D		N	REFERENCE	ISSUE
					MIN.	MAX.			
A	---	.250	4,12	AA	1.150	1.290	24	JC-11.3 ITEM 56	A
A1	.015	---	4	AB	1.380	1.565	28	JC-11.3 ITEM 66	A
A2	.125	.195		AC	1.980	2.095	40	JC-11.3 ITEM 67	A
B	.014	.022	11	AD	2.385	2.480	48	JC-11.11 ITEM 11-238	
B1	.030	.070	10						
C	.008	.015							
D	See	Variations	6						
D1	.005	---							
E	.600	.625	7						
E1	.485	.580	6						
e	.100	BSC							
eA	.600	BSC	7						
eB	---	.700	8						
L	.115	.200	4						
N	See	Variations	9						

SYMBOL	COMMON DIMENSIONS		NOTE	NOTE	6		9	ALL DIMENSIONS IN MILLIMETER	
	MIN.	MAX.		VARIATIONS	D		N	REFERENCE	ISSUE
				MIN.	MAX.				
A	---	6.35	4,12	AA	29.3	32.7	24	JC-11.3 ITEM 56	A
A1	.39	---	4	AB	35.1	39.7	28	JC-11.3 ITEM 66	A
A2	3.18	4.95	11	AC	50.3	53.2	40	JC-11.3 ITEM 67	A
B	.356	.558		AD	60.7	63.1	48	JC-11.11 ITEM 11-238	
B1	.77	1.77		10					
C	.204	.381							
D	See	Variations							
D1	.13	---							
E	15.24	15.87	7						
E1	12.32	14.73							
e	2.54	BSC	7						
eA	15.24	BSC							
eB	---	17.78	8						
L	2.93	5.08							
N	See Variations		9						
NOTE 1, 2, 3, 4, 5									
REF.									
ISSUE									
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE STANDARD DUAL-IN-LINE FAMILY .600 INCH ROW SPACING (PLASTIC)			ISSUE B	DATE 6/88	MS-011 AA-AD