



JEDEC  
SOLID STATE PRODUCT  
OUTLINES

TITLE R-PDIP-T  
DUAL INLINE (SHRINK.070")  
PLASTIC FAMILY  
600 INCH ROW SPACING

ISSUE DATE  
B March  
1993

MS-020

(ALL DIMENSIONS SHOWN IN INCHES)

SYMBOL	COMMON DIMENSIONS			NOTE	VARIATIONS	VARIATIONS			N	REFERENCE	ISSUE
	MIN.	NOM.	MAX.			D					
						MIN.	NOM.	MAX.			
A			.200	9	AA	1.440	1.450	1.460	40	JC-11.11 ITEM 11-291	A
A1	.020				AB	1.440	1.450	1.460	42	JC-11.11 ITEM 11-291	A
A2	.120	.150	.180		AC	1.800	1.810	1.820	48	JC-11.11 ITEM 11-291	A
b	.015	.018	.022	8	AD	1.800	1.810	1.820	52	JC-11.11 ITEM 11-291	A
b1	.015	.018	.020	15							
b2	.035	.040	.045	10							
b3	.025	.029	.033	10							
c	.009	.010	.015								
c1	.009	.010	.011								
D	SEE VARIATIONS			4							
D1	.005										
E	.600		.630	5							
E1	.500	.540	.570	4							
e	.070 BSC.										
eA	.600 BSC			5							
eB			.730	6							
eC	.000		.060	6							
L	.100	.130	.140								
N	SEE VARIATIONS			7							
NOTE	1, 2, 3, 11, 12, 13, 14										
REF.											
ISSUE											

(ALL DIMENSIONS SHOWN IN INCHES)

SYMBOL	COMMON DIMENSIONS			NOTE	SYMBOL	VARIATIONS			NOTE
	MIN.	NOM.	MAX.			BA			
						MIN.	NOM.	MAX.	
A			.200	9	b	.014	.018	.022	8,15
A1	.020				b1	.014	.018	.020	15
A2	.120	.150	.180		b2	.030	.040	.045	10,15
c	.009	.010	.015		b3	.022	.029	.033	10,15
c1	.009	.010	.011		D	1.490	1.500	1.510	4
D1	.005				N		42		
E	.600		.630	5	NOTE	1, 2, 3, 11, 12, 13, 14			
E1	.500	.540	.570	4	REF.	JC11.11 ITEM 11-345			
e	.070 BSC.				ISSUE	B			
eA	.600 BSC.			5					
eB			.730	6					
eC	.000		.060	6					
L	.100	.130	.140						
NOTE	1, 2, 3, 11, 12, 13, 14								
REF.									
ISSUE									

## NOTES:

- ALL DIMENSIONS IN INCHES.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- SYMBOLS ARE DEFINED IN THE 'MO SERIES SYMBOL LIST' IN SECTION 2.2 OF PUBLICATION NO. 95.
4. D, D1 AND E1 DIMENSIONS DO NOT INCLUDE MOLD FLASH OR PROTRUSIONS. MOLD FLASH OR PROTRUSIONS SHALL NOT EXCEED .010 INCH (0.25 MM).
5. E AND eA MEASURED WITH THE LEADS CONSTRAINED TO BE PERPENDICULAR TO DATUM  $\square$ .
6. eB AND eC ARE MEASURED AT THE LEAD TIPS WITH THE LEADS UNCONSTRAINED. eC MUST BE ZERO OR GREATER.
7. N IS THE MAXIMUM OF TERMINAL POSITIONS
8. POINTED OR ROUNDED LEAD TIPS ARE PREFERRED TO EASE INSERTION.
9. FOR AUTOMATIC INSERTION, ANY RAISED IRREGULARITY ON THE TOP SURFACE (STEP, MESA, ETC.) SHALL BE SYMMETRICAL ABOUT THE LATERAL AND LONGITUDINAL PACKAGE CENTERLINES.
10. b2 AND b3 MAXIMUM DIMENSIONS DO NOT INCLUDE DAMBAR PROTRUSIONS. DAMBAR PROTRUSIONS SHALL NOT EXCEED .010 INCH (0.25 MM).
11. DIMENSIONS A, A1 AND L ARE MEASURED WITH THE PACKAGE SEATED IN JEDEC SEATING PLANE GAUGE GS-3.
12. VARIATIONS AB, AD, AND AF ARE 1/2 LEAD PACKAGES.
13. DISTANCE BETWEEN LEADS INCLUDING DAM BAR PROTRUSIONS TO BE .005 INCH MIN.
14. DATUM PLANE  $\square$  COINCIDENT WITH BOTTOM OF LEAD, WHERE LEAD EXITS BODY.
15. VARIATION BA, MINIMUM DIMENSIONS b,b1,b2 AND b3 ALLOW AN INTERDIGITATED LEADFRAME (IDF) OPTION. FOR ALL OTHER VARIATIONS, DIMENSIONS b,b1,b2 AND b3 ARE COMMON.

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