

# JEDEC SOLID STATE PRODUCT OUTLINES

THIS *REGISTERED OUTLINE* HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR.

TITLE	SMALL OUTLINE J-LEAD PACKAGE FAMILY (SOJ), 12.7 WIDE BODY
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JESD-30 DESIGNATOR

R-PDSO-J

## ISSUE

B

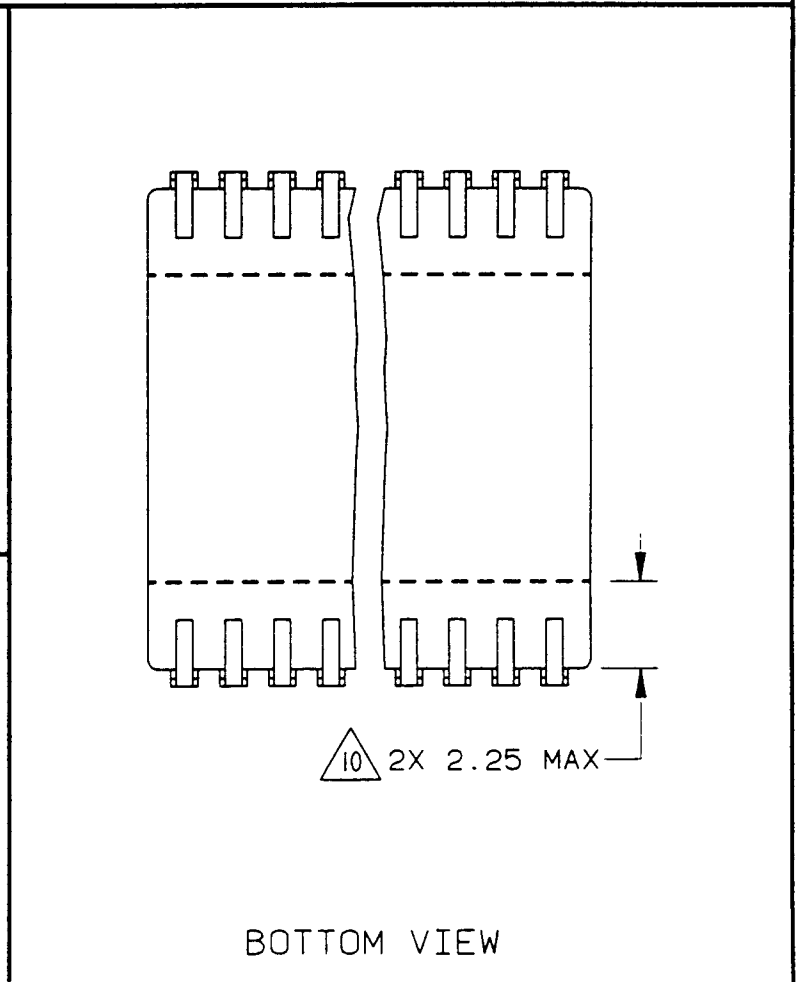
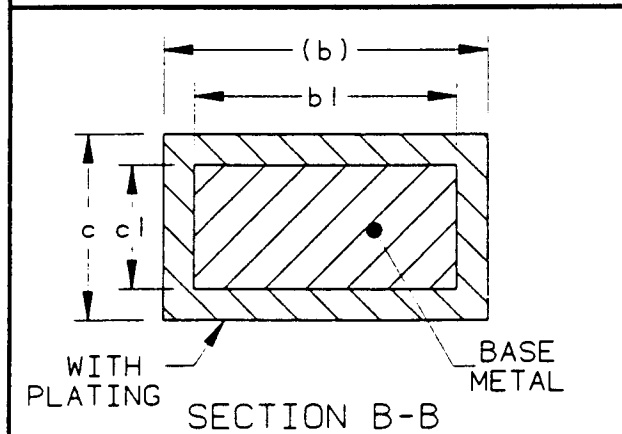
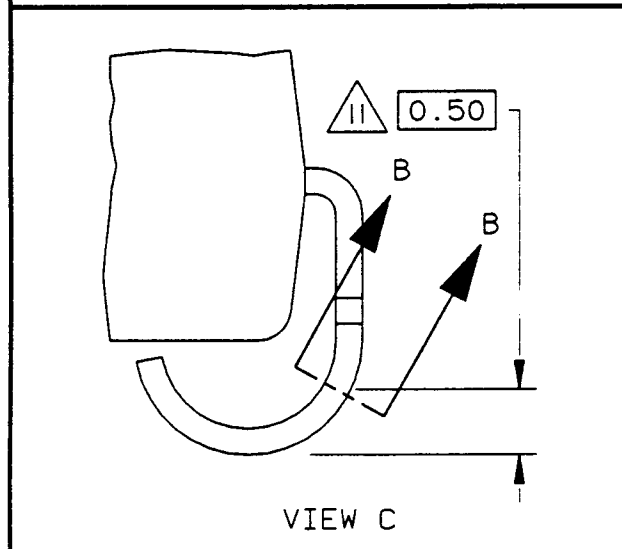
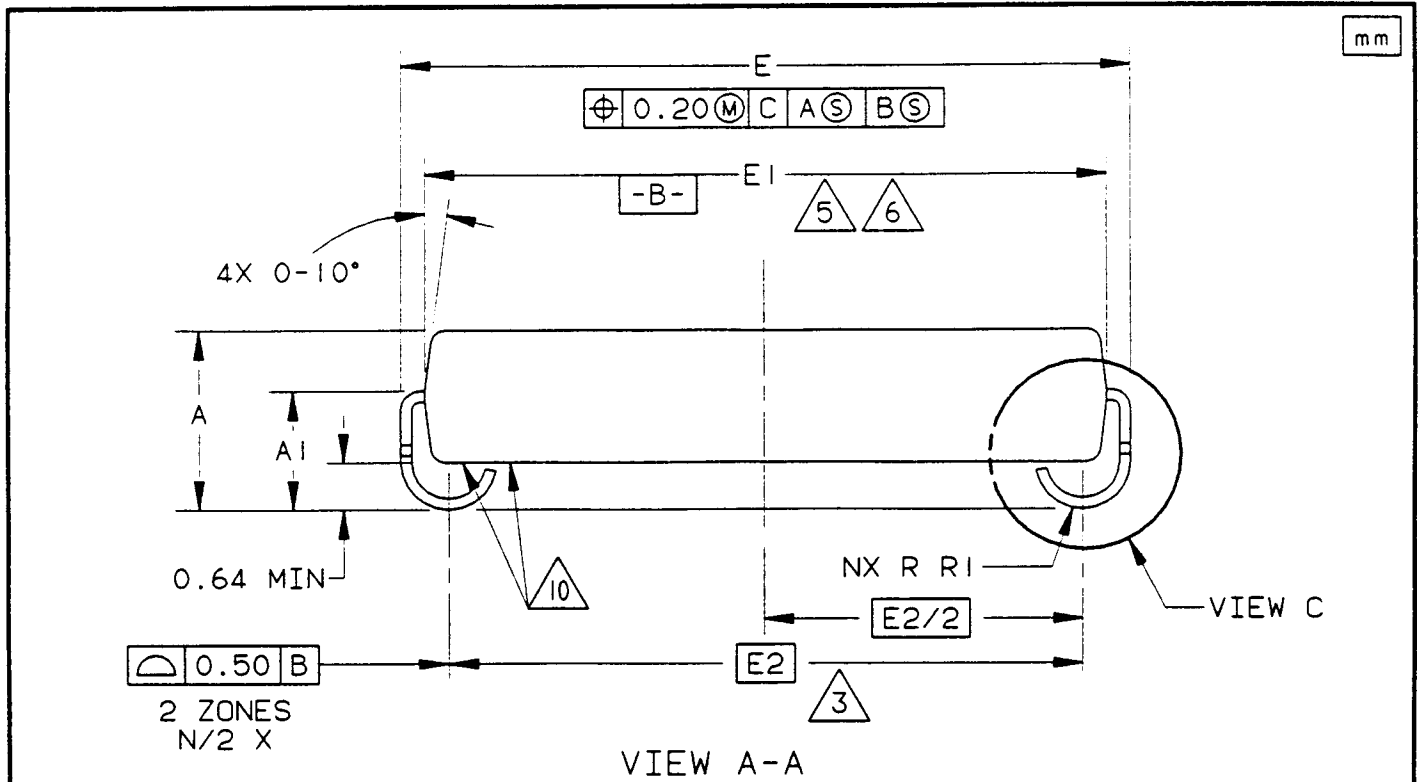
DATE \_\_\_\_\_

JAN  
94

MO-124

SHEET

1 OF 4



<p>JEDEC SOLID STATE PRODUCT OUTLINES</p>	<p>TITLE SMALL OUTLINE J-LEAD PACKAGE FAMILY (SOJ), 12.7 WIDE BODY</p>	<p>ISSUE B</p>	<p>DATE JAN 94</p>	<p>MO-124</p>	<p>SHEET 2 OF 5</p>
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## NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982.

2. ALL DIMENSIONS IN MILLIMETERS.

3. TO BE DETERMINED AT THE SEATING PLANE -C-.

4. N IS THE MAXIMUM NUMBER OF LEADS.

5. DIMENSION D DOES NOT INCLUDE MOLD FLASH, TIE BAR BURRS AND GATE BURRS. MOLD FLASH, TIE BAR BURRS AND GATE BURRS SHALL NOT EXCEED 0.15 PER END. DIMENSION E1 DOES NOT INCLUDE INTERLEAD FLASH. INTERLEAD FLASH SHALL NOT EXCEED 0.25 PER SIDE.

6. THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM. DIMENSIONS D AND E1 AND, HENCE, -A- AND -B-, ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY EXCLUSIVE OF MOLD FLASH, TIE BAR BURRS, GATE BURRS AND INTERLEAD FLASH, BUT INCLUDING ANY MISMATCH BETWEEN THE TOP AND BOTTOM OF THE PLASTIC BODY.

7. DIMENSION b2 DOES NOT INCLUDE DAMBAR PROTRUSION OR INTRUSION. THE DAM BAR PROTRUSION(S) SHALL NOT CAUSE THE SHOULDER WIDTH TO EXCEED b2 MAX BY MORE THAN 0.13. THE DAM BAR INTRUSION(S) SHALL NOT REDUCE THE SHOULDER WIDTH TO LESS THAN 0.03 BELOW b2 MIN.

8. DETAILS OF THE PIN 1 INDICATOR, IF PRESENT, ARE OPTIONAL, BUT IT MUST BE LOCATED WITHIN THE ZONE INDICATED.

9. EXACT DESIGN OF THIS FEATURE IS OPTIONAL.

10. THE DESIGN OF THE PLASTIC BODY IN THIS REGION IS OPTIONAL AND MAY INCLUDE RIDGES, CASTELLATIONS OR OTHER FEATURES TO PROTECT THE LEADS.

11. DISTANCE OF SECTION B-B ABOVE SEATING PLANE.

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SYMBOL	VARIATIONS (ALL DIMENSIONS IN MILLIMETERS)						
	AA			NOTE	AB		
	MIN.	NOM.	MAX.		MIN.	NOM.	NOTE
A	3.25	3.51	3.76		3.25	3.51	3.76
Al	2.08				2.08		
b	0.38		0.51	3	0.38		0.51
b1	0.38	0.42	0.46		0.38	0.42	0.46
b2	0.66	0.71	0.81	7	0.66	0.71	0.81
c	0.19		0.26		0.19		0.26
c1	0.19	0.20	0.21		0.19	0.20	0.21
D	20.87	21.00	21.13	5,6	22.12	22.25	22.38
e		1.27 BSC.				1.27 BSC.	
E	13.59	13.72	13.84		13.59	13.72	13.84
E1	12.57	12.70	12.83	5,6	12.57	12.70	12.83
E2		11.94 BSC.		3		11.94 BSC.	
RI	0.76	0.89	1.02		0.76	0.89	1.02
N		32		4		34	
aaa		0.20				0.20	

NOTE		
REF.	11-308	11-308
ISSUE	A	A

SYMBOL	VARIATIONS (ALL DIMENSIONS IN MILLIMETERS)						
	AC			NOTE	AD		
	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.
A	3.25	3.51	3.76		3.25	3.51	3.76
Al	2.08				2.08		
b	0.38		0.51	3	0.38		0.51
b1	0.38	0.42	0.46		0.38	0.42	0.46
b2	0.66	0.71	0.81	7	0.66	0.71	0.81
c	0.19		0.26		0.19		0.26
c1	0.19	0.20	0.21		0.19	0.20	0.21
D	23.37	23.50	23.63	5,6	25.87	26.00	26.13
e		1.27 BSC.				1.27 BSC.	
E	13.59	13.72	13.84		13.59	13.72	13.84
E1	12.57	12.70	12.83	5,6	12.57	12.70	12.83
E2		11.94 BSC.		3		11.94 BSC.	
RI	0.76	0.89	1.02		0.76	0.89	1.02
N		36		4		40	
aaa		0.20				0.20	

NOTE		
REF.	11-371	11-371
ISSUE	B	B

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