INDEX AREA
(D/2 X E/2)
△4

D → A   B

E

// ccc C

A

θ

C

SEATING PLANE
(SEE SECTION A-A)

e

1 2   N/2   A

NX L

A

SEE DETAIL B

2X
⌓ aaa C

N N-1   N/2+1

2X
⌓ aaa C

NX b △5

△7   (N/2-1) X e   ⊕ bbbⓂ C B A

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METALLIZED PAD

INSULATION

(b) ⑤

⑥

OR

METALIZED PAD

INSULATION

(b) ⑤

⑥

SECTION C-C
⑧

(A)

A2

C

NX

⬛ | 0.08 | C

A1

INSULATION

⑥

L1

METALLIZED PAD

SECTION A-A
ROTATED 90°

⑧

(DATUM A)

C   C

(L1)

e / 2

e

EVEN TERMINAL/SIDE

(DATUM A)

C   C

(L1)

e

ODD TERMINAL/SIDE

DETAIL B

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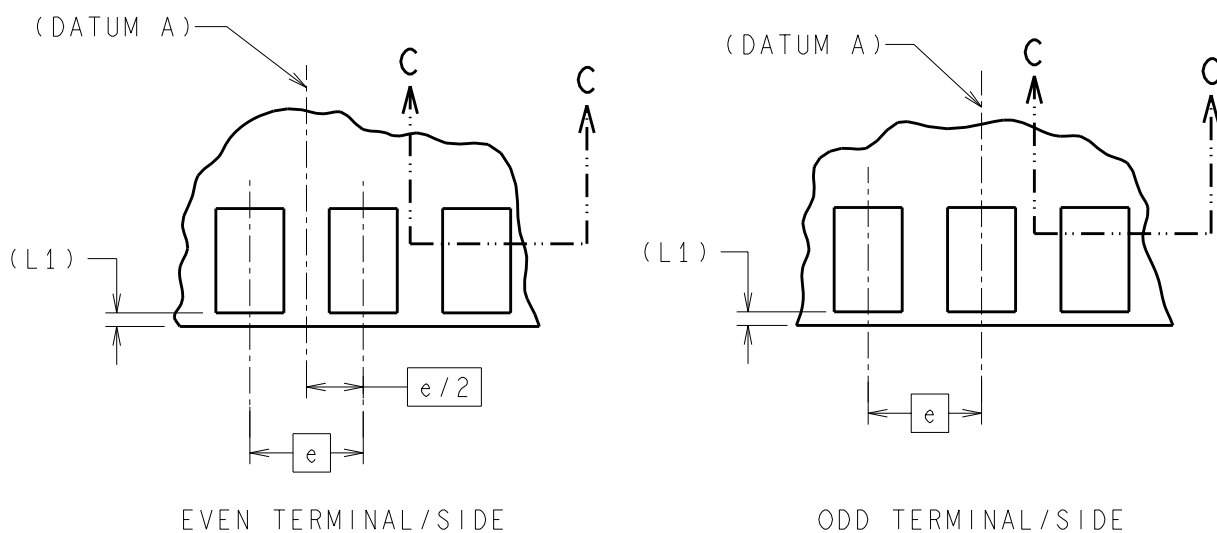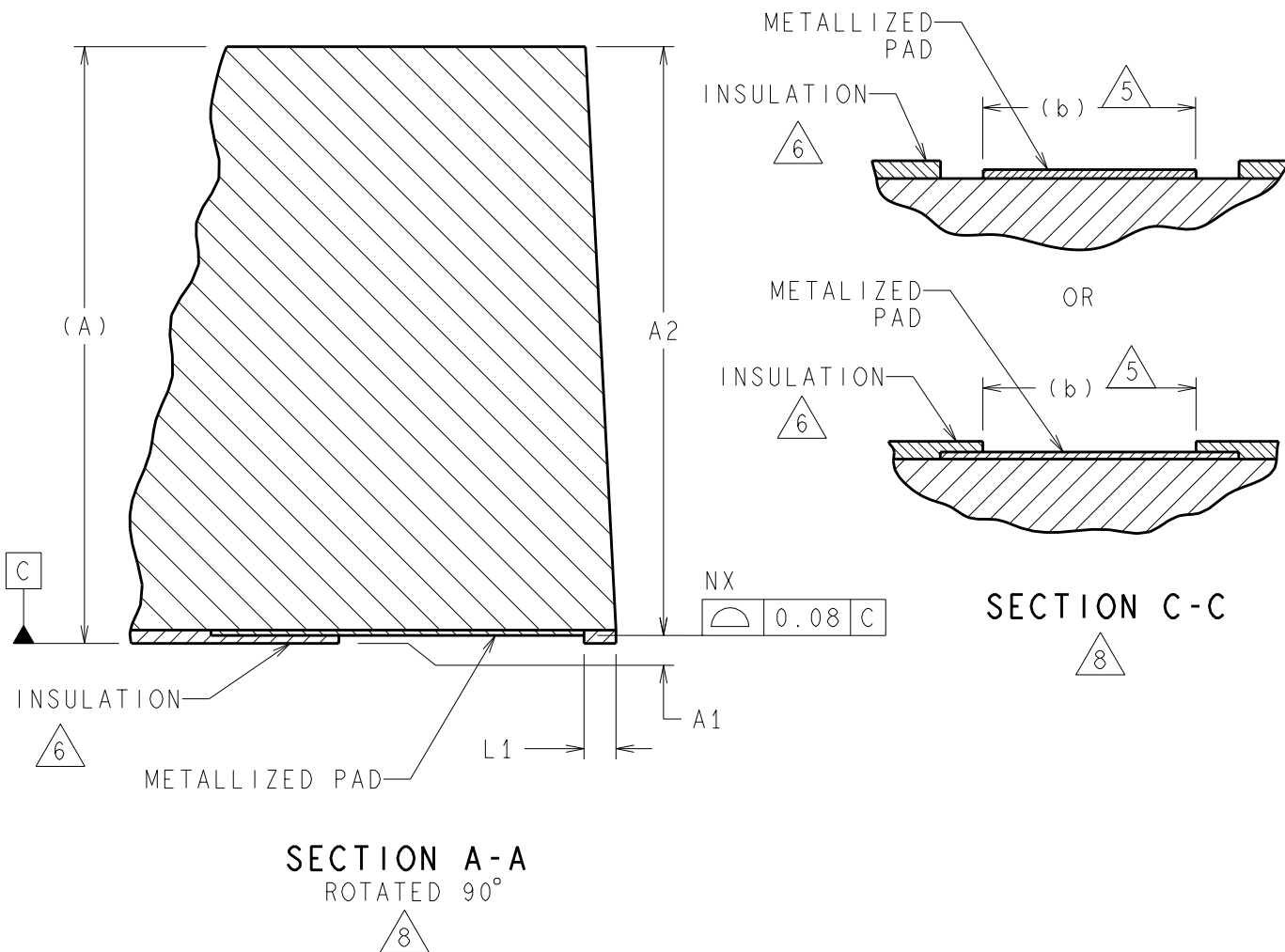
COMMON DIMENSIONS

SYMBOL	MIN	NOM	MAX	NOTE
A	-	-	1.20	
A1	0	-	0.05	
A2	0.90	-	1.15	
b	0.25	0.30	0.35	5
L	0.40	0.50	0.60	
L1	0	-	0.10	
θ	0	-	8	
NOTES	1,2			
REF	11-507			
ISSUE	A			

GEOMETRIC TOLERANCES

SYMBOL	TOL
aaa	0.10
bbb	0.10
ccc	0.10
NOTES	1,2
REF	11-507
ISSUE	A

FIRST DIGIT

BODY LENGTH

D	LETTER CODE
2.00	A
3.00	B
3.50	C
5.00	D
6.50	E
7.80	F
9.70	G
12.50	H

SECOND DIGIT

BODY WIDTH

E	LETTER CODE
2.40	A
4.90	B
6.40	C
8.10	D

FOURTH DIGIT

TERMINAL COUNT

N	LETTER CODE
6	A
8	B
10	C
20	D
24	E
28	F
36	G
48	H

THIRD DIGIT

TERMINAL PITCH

e	LETTER CODE
0.65	A
0.50	B

APPLICATION NOTE:

THE VARIATION CODE AAAA CORRESPONDS TO A PACKAGE OF BODY LENGTH 2.00mm, BODY WIDTH 2.40mm, TERMINAL PITCH OF 0.65mm AND A TERMINAL COUNT OF 6. THESE ARE JEDEC/EIAJ FOOTPRINT COMPATIBLE PACKAGES. FOR EXAMPLE, VARIATION BCAB IS FOOTPRINT COMPATIBLE WITH A 4.40mm BODY TSSOP-8 (MO-153, ISSUE E, VARIATION AA).

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SUMMARY TABLE

VARIATIONS

BODY LENGTH D	BODY WIDTH E	TERMINAL PITCH e	TERMINAL COUNT N	VARIATION CODE
2.00	2.40	0.65	6	AAAA
3.00	4.90	0.65	8	BBAB
3.50	4.90	0.50	10	CBBC
5.00	6.40	0.50	20	DCBD
6.50	6.40	0.50	24	ECBE
7.80	6.40	0.50	28	FCBF
9.70	6.40	0.50	36	GCBG
12.50	8.10	0.50	48	HDBH

VARIATIONS

SYMBOL	AAAA VALUE	NOTE	BBAB VALUE	NOTE	CBBC VALUE	NOTE	DCBD VALUE	NOTE
D	2.00 BSC		3.00 BSC		3.50 BSC		5.00 BSC	
E	2.40 BSC		4.90 BSC		4.90 BSC		6.40 BSC	
N	6	3	8	3	10	3	20	3
e	0.50 BSC		0.50 BSC		0.50 BSC		0.50 BSC	
NOTES	1,2							
REF	11-507							
ISSUE	A							

VARIATIONS

SYMBOL	ECBE VALUE	NOTE	FCBF VALUE	NOTE	GCBG VALUE	NOTE	HDBH VALUE	NOTE
D	6.50 BSC		7.80 BSC		9.70 BSC		12.50 BSC	
E	6.40 BSC		6.40 BSC		6.40 BSC		8.10 BSC	
N	24	3	28	3	36	3	48	3
e	0.50 BSC		0.50 BSC		0.50 BSC		0.50 BSC	
NOTES	1,2							
REF	11-507							
ISSUE	A							

NOTES:

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.

2. ALL DIMENSIONS ARE IN MILLIMETERS, θ IS IN DEGREES.

3. N IS THE MAXIMUM NUMBER OF TERMINALS.

⚠4 THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JESD 95-1 SPP-012. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE TERMINAL #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE.

⚠5 DIMENSION b APPLIES TO METALIZED TERMINAL AND IS MEASURED BETWEEN 0.10 AND 0.25 mm FROM TERMINAL TIP.

⚠6 INSULATION THICKNESS, CLEARANCE OF OVERLAP ARE USER DEFINED.

⚠7 VARIATION DCBD IS SHOWN FOR ILLUSTRATION ONLY.

⚠8 INSULATION NOT COMPLETELY SHOWN FOR REASONS OF CLARITY.

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