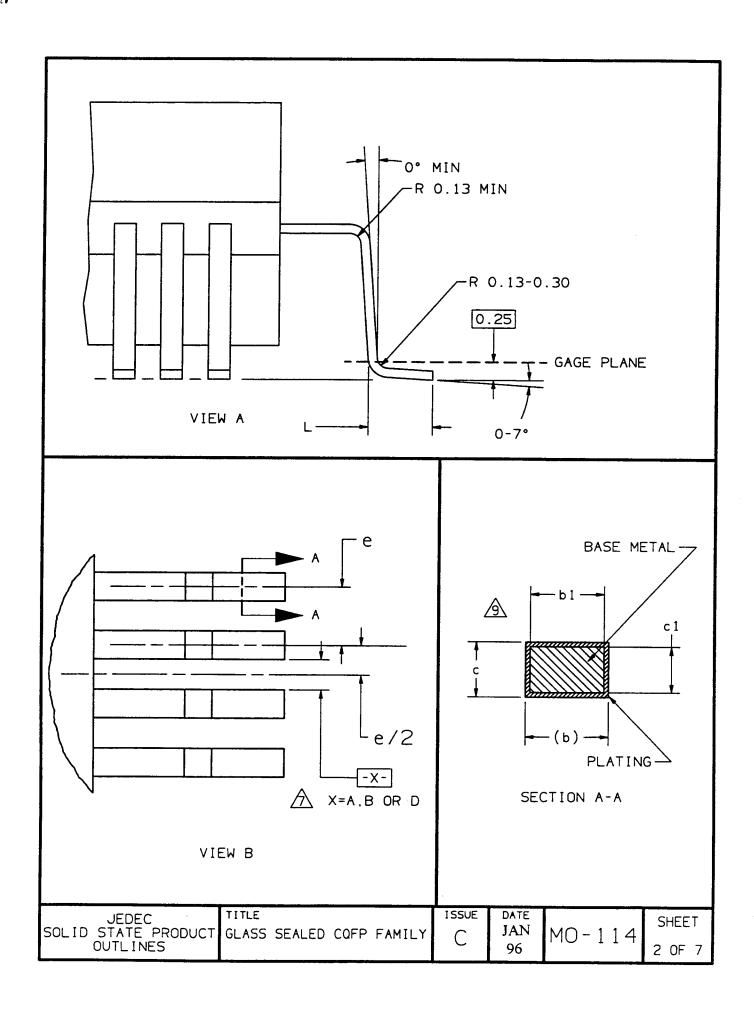


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NOTES:

- 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982.
- 2. ALL DIMENSIONS IN MILLIMETERS.

MAXIMUM A AND A2 DIMENSIONS INCLUDE AN OPTIONAL CERAMIC LID OR HEAT SINK. LID OR HEAT SINK CAN BE ON THE TOP OR BOTTOM OF THE PACKAGE.

A PIN 1 INDEX MARK SHALL BE WITHIN THE AREA SHOWN.

 $\stackrel{\textstyle \wedge}{\triangle}$ N IS THE MAXIMUM NUMBER OF LEADS.

 $\stackrel{\frown}{lpha}$ DIMENSIONS DI AND EI INCLUDE BASE TO LID MISALIGNMENT AND GLASS RUNOUT.

DATUMS A. B. AND D TO BE DETERMINED NEAR THE SEATING PLANE. DATUM C. O.1 mm FROM THE LEAD TIP.

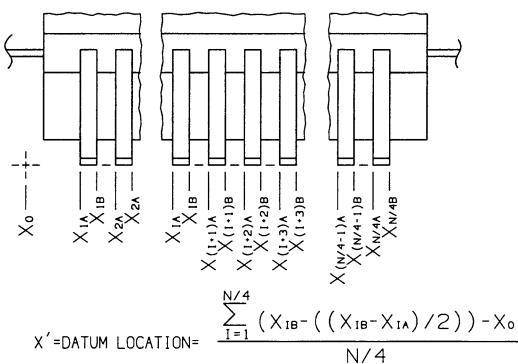
/8\ EXACT SHAPE OF CORNER IS OPTIONAL.

THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 mm AND 0.25 mm FROM THE LEAD TIP.

1 D/2 AND E/2 REFERENCE DATUMS E-F AND G-H RESPECTIVELY.

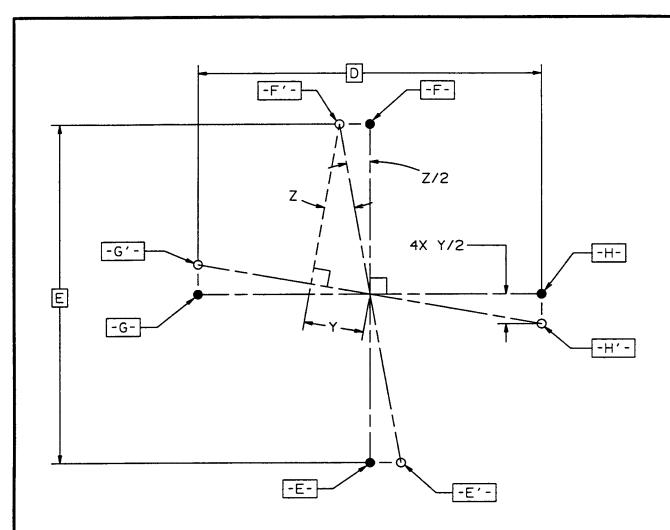
 $\widehat{\mathbb{M}}$ THE POSITIONAL TOLERANCE OF THE ${\mathfrak b}$ DIMENSION APPLIES ONLY OVER DIMENSION ${\mathfrak l}$.

DETERMINATION OF DATUMS E-F AND G-H:



X'=E', F', G', OR H'. DETERMINE DATUM E', F', G', AND H', ONE FOR EACH OF THE FOUR SIDES. Xo IS AN ARBITRARY MACHINE O. THE LEAD EDGES ARE DETERMINED O.1 mm BACK FROM THE LEAD TIP.

JEDEC	TITLE	ISSUE	DATE		SHEET
SOLID STATE PRODUCT	GLASS SEALED COFP FAMILY	С	JAN 96	MO-114	3 OF 7



DETERMINE DATUMS E-F, AND G-H BY DISPLACING E'-F' AND G'-H' BY Y/2. OR ROTATING THROUGH \angle Z/2.TO GENERATE DATUMS WHICH ARE MUTUALLY PERPENDICULAR. (THIS FIGURE EXAGGERATES THE MAGNITUDE OF Y AND Z)

JEDEC	TITLE	ISSUE	DATE	110	SHEET
SOLID STATE PRODUCT OUTLINES	GLASS SEALED COFP FAMILY	С	JAN 96	MO-114	4 OF 7

1	VARIATIONS (ALL DIMENSIONS IN MILLIMETERS)							
SYMBOL	MIN. NOM. MAX.			0.2		N O		
Ĺ	MIN.	NOM.	MAX.	Ē	MIN.	NOM.	MAX.	NOTE 3
Α			4.30	3			4.30	3
A1	0.25				0.25			
A2	3.10		3.90	, ,	3.10		3.90	
b b1	0.30 0.30	0.35	0.45 0.40	11	0.30	0.35	0.45 0.40	11
C	0.11	0.55	0.40		0.30	0.33	0.40	
c1	0.11		0.17		0.11		0.17	
D		31.20 BSC				31.20 BSC		
D1	26.50	27.00 0.80 BSC	27.60	6	26.50	27.00	27.60	6
e E E1		31.20 BSC				0.80 BSC 31.20 BSC		
E1	26.50	27.00	27.60	6	26.50	27.00	27.60	6
	0.73	0.88	1.03		0.73	0.88	1.03	
N		120	DANICEC OF	5	1110 5067	128		5
	 		RANCES OF	FURM	AND POST			
aaa bbb		0.20 0.10				0.20 0.10		
NOTE		0.10				0.10		L
REF.		10-295	5			10-295		
ISSUE		Α				A		
Ş Y	VARIATIONS (ALL DIMENSIONS IN MILLIMETERS)							
SYMBOL		BA		m-10Z	BB			
Ľ	MIN.	NOM.	MAX.	É	MIN.	NOM.	MAX.	NO-E
Α			4.30	3			4.30	3
A1 A2	0.25 3.10	ļ	3.90		0.25 3.10		2.00	
b		1		11			3.90 0.38	11
	0.22		0.38		0.22	1		* *
b1	0.22 0.22	0.30	0.38 0,33	11	0.22 0.22	0.30	0.33	i I
b1 c	0.22 0.11	0.30	0,33 0.23	11	0.22 0.11	0.30	0.33 0.23	
b1 c c1	0.22		0.33	1 1	0.22		0.33	
b1 c c1 D	0.22 0.11 0.11	31.20 BSC	0.33 0.23 0.17		0.22 0.11 0.11	31.20 BSC	0.33 0.23 0.17	د
b1 c c1 D D1	0.22 0.11		0,33 0.23	6	0.22 0.11	31.20 BSC 27.00	0.33 0.23	6
b1 c c1 D D1 e E	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC	0.33 0.23 0.17		0.22 0.11 0.11	31.20 BSC	0.33 0.23 0.17	Ð
b1 c1 D1 e E1	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00	0.33 0.23 0.17 27.60		0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00	0.33 0.23 0.17 27.60	д
b1 c1 D1 e E1 L	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88	0.33 0.23 0.17 27.60	9 0	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88	0.33 0.23 0.17 27.60	6
b1 c1 D1 e E1	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144	0.33 0.23 0.17 27.60 27.60 1.03	в в 5	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160	0.33 0.23 0.17 27.60	
b1 c1 D1 e E1 N	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144 TOLE	0.33 0.23 0.17 27.60	в в 5	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160	0.33 0.23 0.17 27.60	6
b1 c1 D1 e E1 L	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144	0.33 0.23 0.17 27.60 27.60 1.03	в в 5	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160	0.33 0.23 0.17 27.60	6
b1 c1 D1 e E1 L	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144 TOLE	0.33 0.23 0.17 27.60 27.60 1.03	в в 5	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160 TION 0.13	0.33 0.23 0.17 27.60	6
b1 c1 D1 e E1 L N	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144 TOLE	0.33 0.23 0.17 27.60 27.60 1.03	в в 5	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160 TION 0.13	0.33 0.23 0.17 27.60 27.60 1.03	6
b1 c1 D1 e E1 L N	0.22 0.11 0.11 26.50	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144 TOLE 0.13 0.10	0.33 0.23 0.17 27.60 27.60 1.03 RANCES OF	в в 5	0.22 0.11 0.11 26.50 26.50 0.73 AND POSI	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160 TION 0.13 0.10	0.33 0.23 0.17 27.60 27.60 1.03	6
b1 cl DD1 e E1 L N	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144 TOLE 0.13 0.10	0.33 0.23 0.17 27.60 27.60 1.03 RANCES OF	6 5 FORM	0.22 0.11 0.11 26.50 26.50 0.73 AND POSI	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160 TION 0.13 0.10	0.33 0.23 0.17 27.60 27.60 1.03	6
b1 c c1 D D1 e E E1 L N aaa bbb NOTE REF. ISSUE	0.22 0.11 0.11 26.50 26.50 0.73	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 144 TOLE 0.13 0.10	0.33 0.23 0.17 27.60 27.60 1.03 RANCES OF	6 5 FORM	0.22 0.11 0.11 26.50 26.50 0.73 AND POSI	31.20 BSC 27.00 0.65 BSC 31.20 BSC 27.00 0.88 160 TION 0.13 0.10	0.33 0.23 0.17 27.60 27.60 1.03	6 5

S		VARIATI	ONS (ALL D	IMENSIONS IN MILLIMETERS)					
SYMBOL	CA			02		02			
0	MIN.	NOM.	MAX.	NOLE	MIN.	NOM.	MAX.	NOT E	
Α			4.30	3			4.30	3	
A1 A2 b b1 c	0.25 3.10 0.17 0.17 0.09 0.09	0.20 30.60 BS0	3.90 0.30 0.25 0.20 0.16	11	0.25 3.10 0.22 0.22 0.11 0.11	0.30 23.20 BSC	3.90 0.38 0.33 0.23 0.17	11	
D D1 e E E1	26.50	27.00 0.50 BSC 30.60 BSC	27.60	6	18.50	19.00 0.65 BSC 23.20 BSC	19.60	6	
E1 L N	26.50 0.45	27.00 0.60 208	27.60 0.75	6 5	18.50 0.73	19.00 0.88 112	19.60 1.03	6 5	
			ERANCES OF	FORM	AND POSI	TION			
aaa bbb	0.08 0.10								
NOTE									
REF.		10-35	51		10-351				
ISSUE		B	ONC (ALL D	IMENIC	TONG IN M	B	1		
N N		CB	UNS (ALL D		NSIONS IN MILLIMETERS) BD				
SY MBOL	MIN.	NOM.	MAX.	Z O T E	MIN.	NOM.	MAX.	ZOFE	
A	PILIN.	140/1.	4.30	3	71214.	11011.	4.30	3	
A1 A2 b b1 c	0.25 3.10 0.17 0.17 0.09 0.09	0.20	3.90 0.30 0.25 0.20 0.16	11	0.25 3.10 0.22 0.22 0.11 0.11	0.30	3.90 0.38 0.33 0.23 0.17	11	
D D1 e E E1	18.50	22.60 BSC 19.00 0.50 BSC 22.60 BSC	19.60	6	30.50	35.20 BSC 31.00 0.65 BSC 35.20 BSC	31.60	6	
L	18.50 0.45	19.00 0.60	19.60 0.75	6	30.50 0.73	31.00 0.88	31.60 1.03	6	
N		144	EDANCES OF	5 FORM	AND DOCT	TION		5	
TOLERANCES OF FORM AND POSITION aaa 0.08 0.13									
aaa bbb	0.08 0.10				0.13				
NOTE REF.	10-351					10-35	1		
ISSUE	. 10-351				10-351 B				
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VARIATIONS (ALL DIMENSIONS IN MILLIMETERS) No.	S					MENSIONS IN MILLIMETERS)				
A 1 0.25	MB				N O		BE		NO	
A1	L	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.	I E	
A2				4.30	3			4.30	3	
D		1								
Di			:		1)				
C		i e	0.20		1 1 1	i .	0.30	ľ	11	
C1			0.20				0.30			
D1										
C			34.60 BSC				43.20 BS			
E 30.50		30.50	1	31.60	6	38.50	1		6	
N	e		1				1			
N		30 F0		31 60		30 E0	I .	1		
N			3 I		6				6	
TOLERANCES OF FORM AND POSITION aaa		0.45	1 1	0.75	5	0.73	1	1.03	5	
NOTE				RANCES OF		AND POSI				
NOTE REF. 10-351	aaa		0.08				0.13			
Note	bbb		0.10			-	0.10			
SSUE B	NOTE									
VARIATIONS (ALL DIMENSIONS IN MILLIMETERS) CD	REF.			<u> </u>			10-35	51		
Note				····						
A	Ş			INS (ALL D	_	IONS IN M	ILLIMETER	S)		
A	B			······	Q Q		·		Ų Ç	
A1	-	MIN.	NOM.			MIN.	NOM.	MAX.	É	
A2 3.10		0.25		4.30	3				3	
D				3 90			Ì			
b1					11				111	
C1			0.20							
D 38.50 42.60 BSC 39.00 39.60 6 6 6 6 6 6 6 6 6	С	0.09		0.20						
D1 38.50 39.00 39.60 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		0.09	10 00 000	0.16						
E 0.50 BSC 42.60 BSC 6		30 50	1	30 60	٦					
E		36.30		33.60	0				6	
E1 38.50 39.00 39.60 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Ē									
N 304 5 5 TOLERANCES OF FORM AND POSITION aaa 0.08 bbb 0.10 NOTE REF. 10-351 10-351 ISSUE B B ISSUE DATE JEDEC TITLE ISSUE DATE AND MODE AND POSITION 5 TOLERANCES OF FORM AND POSITION 5 TOLERANCES OF	E1	38.50	1 1	39.60	6				6	
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aaa 0.08 bbb 0.10 NOTE 10-351 REF. 10-351 ISSUE B B ISSUE DATE DATE DATE DATE DATE DATE DATE DAT	N		<u> </u>	<u> </u>		DOG!		1	5	
bbb 0.10 NOTE IO-351 REF. 10-351 ISSUE B B B ISSUE DATE										
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OUTLINES GLASS SEALED COFP FAMILY C JAN 96 VIOLITY 7 OF 7	SOLID	JEDEC STATE PRO			D EVMI	1 _ 1	JAN MO	- 1 1 4	SHEET	

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