

8

7

6

5

4

3

DWG NO

2512194

SH 1

1

NOTES: UNLESS OTHERWISE SPECIFIED:

- 1 SUBSTRATE EDGE PERPENDICULARITY TOLERANCE APPLIES TO ENTIRE SURFACE
- 2 DIE PARALLELISM TOLERANCE APPLIES TO DMD ACTIVE ARRAY ONLY
- 3 ROTATION ANGLE OF DMD ACTIVE ARRAY IS A REFINEMENT OF THE LOCATION TOLERANCE AND HAS A MAXIMUM ALLOWED VALUE OF 0.8 DEGREES
- 4 SUBSTRATE SYMBOLIZATION PAD, AND PLATING AT BOTTOM OF DATUMS B AND C HOLES TO BE ELECTRICALLY CONNECTED TO VSS PLANE WITHIN THE SUBSTRATE
- 5 BOUNDARY MIRRORS SURROUNDING THE DMD ACTIVE AREA
- 6 MAXIMUM ENCAPSULANT PROFILE SHOWN
- 7 ENCAPSULANT ALLOWED ON THE SURFACE OF THE CERAMIC IN THE AREA SHOWN IN VIEW B (SHEET 2). ENCAPSULANT SHALL NOT EXCEED 0.200 THICKNESS MAXIMUM.
- 8 SUBSTRATES PLATED WITH Ni/Au SHALL HAVE THE THREE-DIGIT NUMERICAL MARKING IN THE AREA ABOVE THE SYMBOLIZATION PAD. SUBSTRATES PLATED WITH Ni/Pd/Au SHALL HAVE THE MARKING IN THE AREA BELOW THE SYMBOLIZATION PAD.

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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	ECO 2121693, INITIAL RELEASE	01/17/2012	F. ARMSTRONG
B	ECO 2123271, CHG TO LARGE SYMBOLIZATION PAD	03/16/2012	F. ARMSTRONG
C	ECO 2135103, ADD NOTE 8 TO SHEETS 1 & 4	08/02/2013	F. ARMSTRONG
D	ECO 2168422, ADD FYA PACKAGE TO TITLE	08/17/17	M. AVERY

INCIDENT LIGHT

F - SHT. 4

F - SHT. 4

(Ø2.000) B

0.200 E 1

3.000±0.500

3.000±0.500

22.300±0.220

SEE VIEW E (SHEET 3)
FOR WINDOW AND ACTIVE
ARRAY DIMENSIONS

4.010±0.150

15.848±0.150

3.091±0.150

24.597±0.150

32.200±0.320

(1.500)

6 ENCAPSULANT

SUBSTRATE

WINDOW

0.800 MAX

(0.713)

3 PLACES
INDICATED
(SHEET 2)

2.950±0.240

149X 1.400±0.100

(Ø0.305)

WINDOW APERTURE


1.050±0.050

1.753±0.079

1.040±0.063

ACTIVE ARRAY

0.0254 A 2
0.020 GSECTION A-A
SCALE 20/1

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION				NOTES
PARTS LIST							
		<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGLES ± 1° 2 PLACE DECIMALS ±0.25 3 PLACE DECIMALS ±0.50 REMOVE ALL BURRS AND SHARP EDGES INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5-1994 DIMENSIONAL LIMITS APPLY BEFORE PROCESSES PARENTHETICAL INFO FOR REF ONLY</div>	DWN F. ARMSTRONG	DATE 01/17/12	<div>TEXAS INSTRUMENTS <i>Dallas, Texas</i></div>		
			ENGR F. ARMSTRONG	01/17/12			
			QA P. KONRAD	01/19/12	<div>ICD, MECHANICAL, DMD .55" XGA 2xLVDS V2 SERIES 450 (FYA PACKAGE)</div>		
			CQE M. DORAK	01/19/12			
	0314DA			SIZE B	DRAWING NO 2512194	REV D	
	USED ON			SCALE 4 / 1	SHEET 1 OF 4		
	CATION						

ACED1g

8

7

6

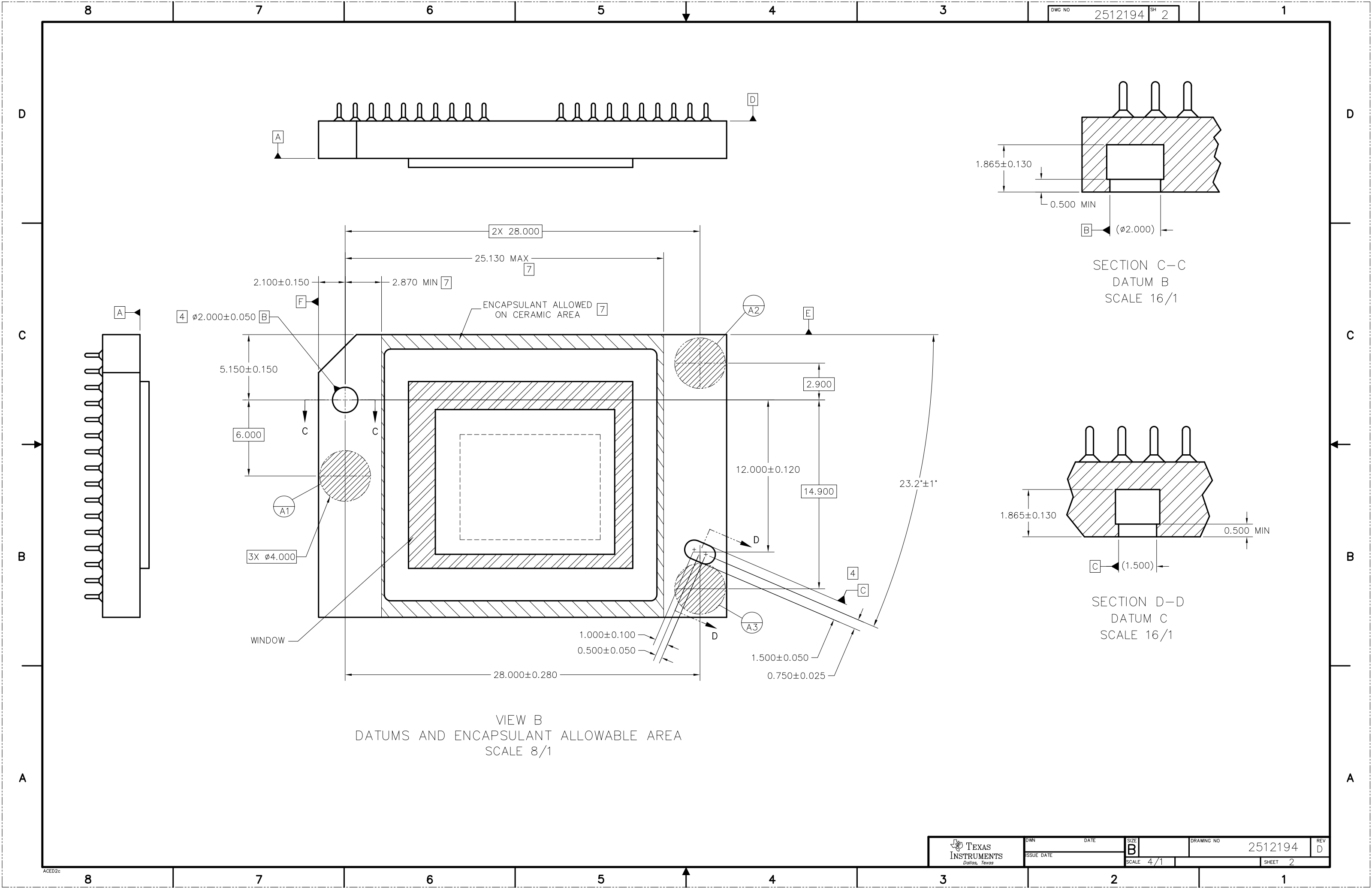
5

4

3

2

1



D

C

B

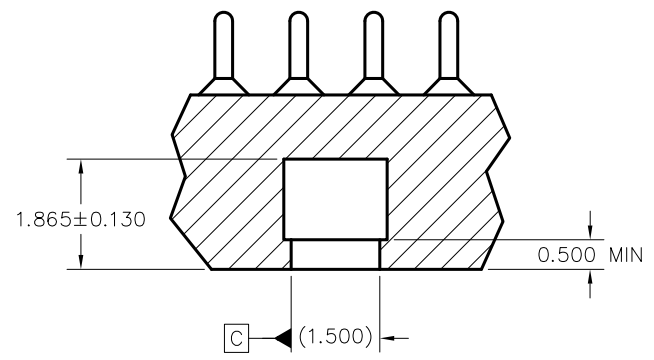
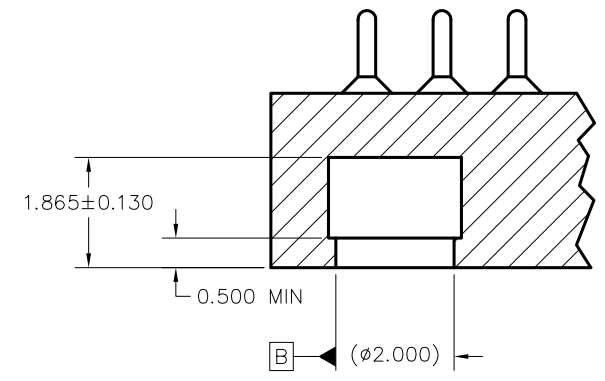
A

D

C

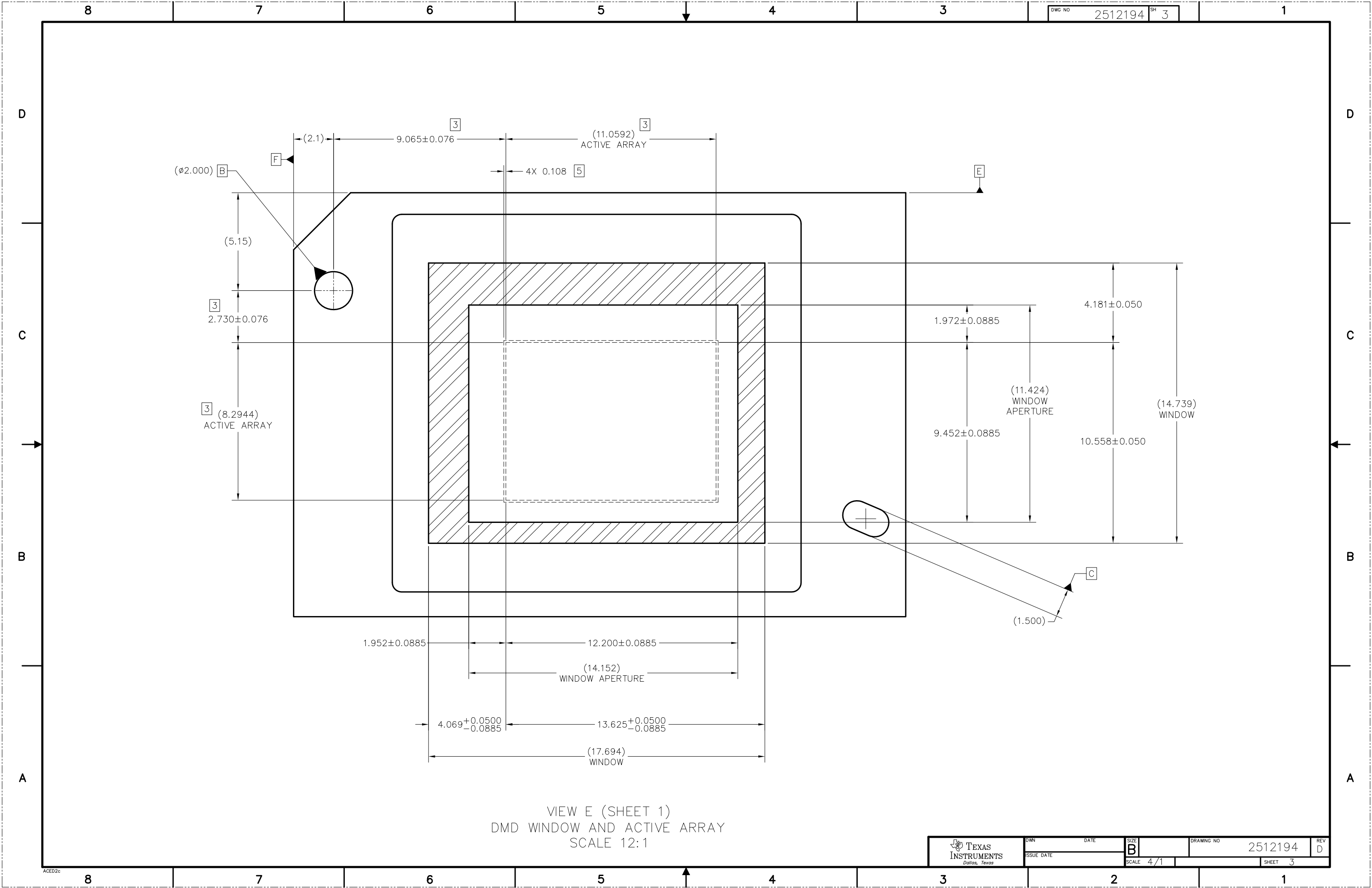
B

A

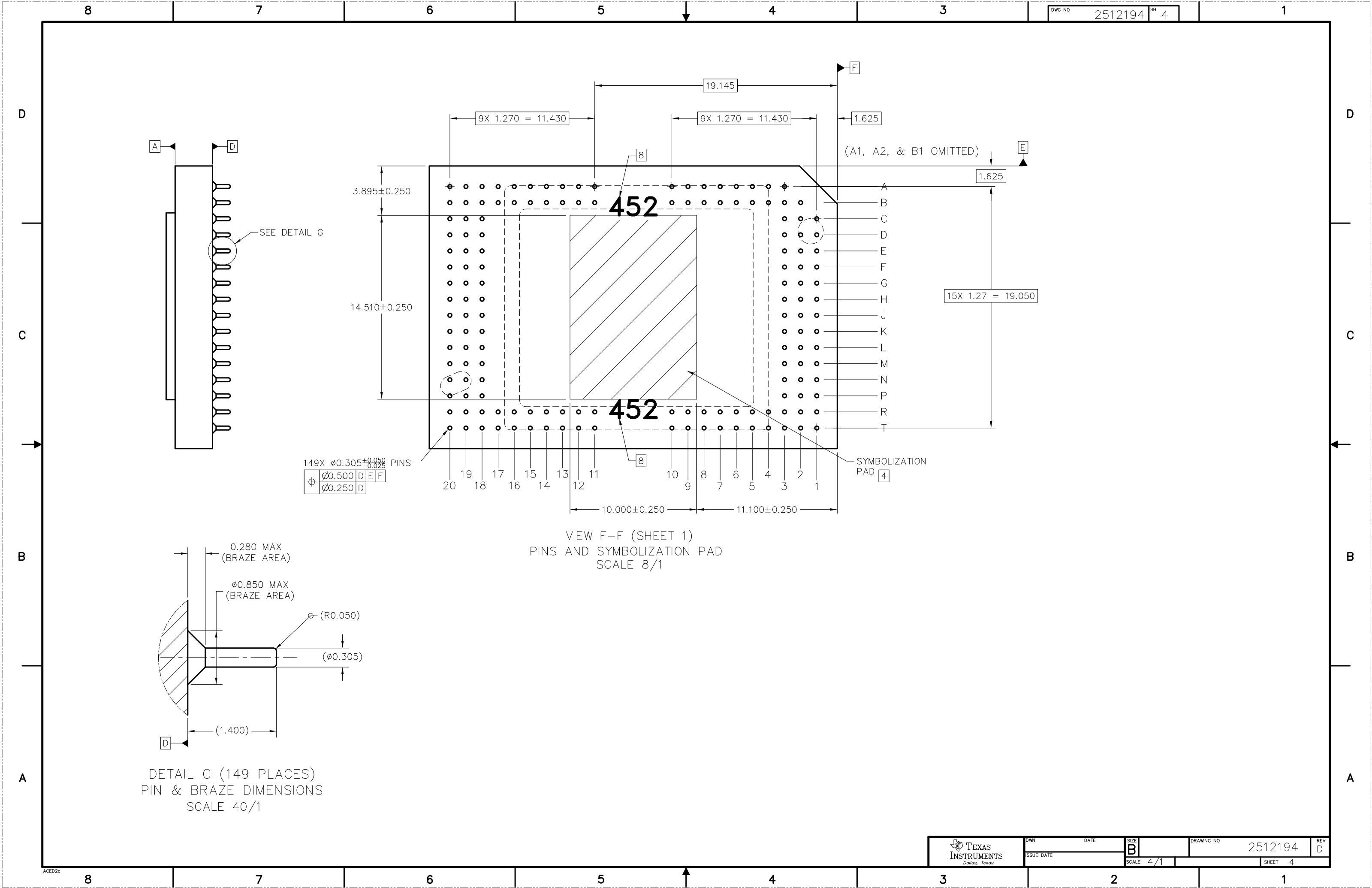


VIEW B
DATUMS AND ENCAPSULANT ALLOWABLE AREA
SCALE 8/1

TEXAS INSTRUMENTS <i>Dallas, Texas</i>	DWN	DATE	SIZE B	DRAWING NO	REV D
	ISSUE DATE		SCALE 4/1	2512194	



VIEW E (SHEET 1)
DMD WINDOW AND ACTIVE ARRAY
SCALE 12:1



DETAIL G (149 PLACES)
PIN & BRAZE DIMENSIONS
SCALE 40/1

VIEW F-F (SHEET 1)
PINS AND SYMBOLIZATION PAD
SCALE 8/1

SYMBOLIZATION
PAD 4

149X $\phi 0.305 \pm 0.050$
 -0.025 PINS
 $\phi 0.500$ D E F
 $\phi 0.250$ D

(A1, A2, & B1 OMITTED)

452

452

8

8

F

E

A

D

SEE DETAIL G