

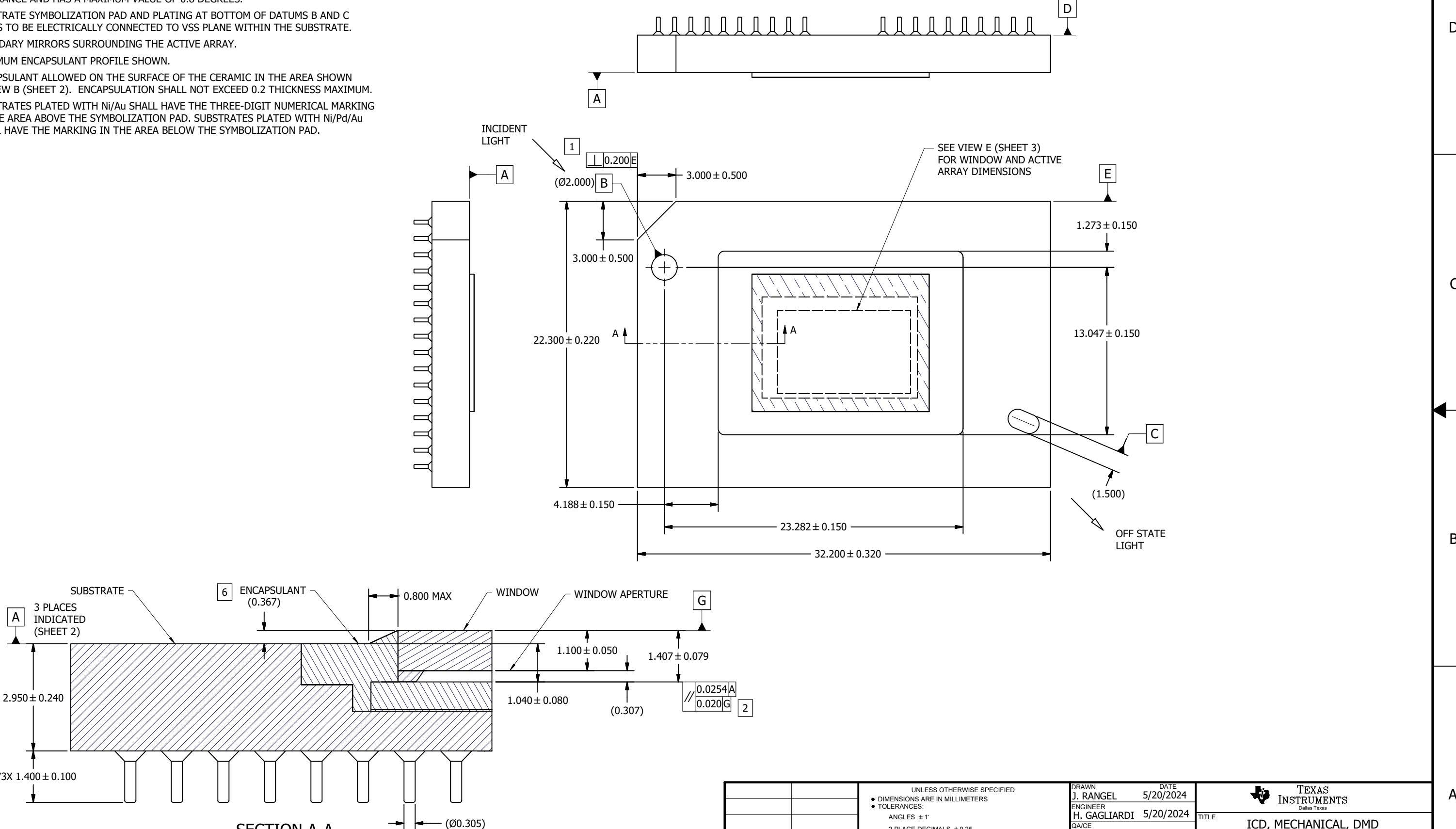
NOTES UNLESS OTHERWISE SPECIFIED:

- 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 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 ACTIVE ARRAY.
- 6 MAXIMUM ENCAPSULANT PROFILE SHOWN.
- 7 ENCAPSULANT ALLOWED ON THE SURFACE OF THE CERAMIC IN THE AREA SHOWN IN VIEW B (SHEET 2). ENCAPSULATION SHALL NOT EXCEED 0.2 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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REV A ECO 2209564: INITIAL RELEASE

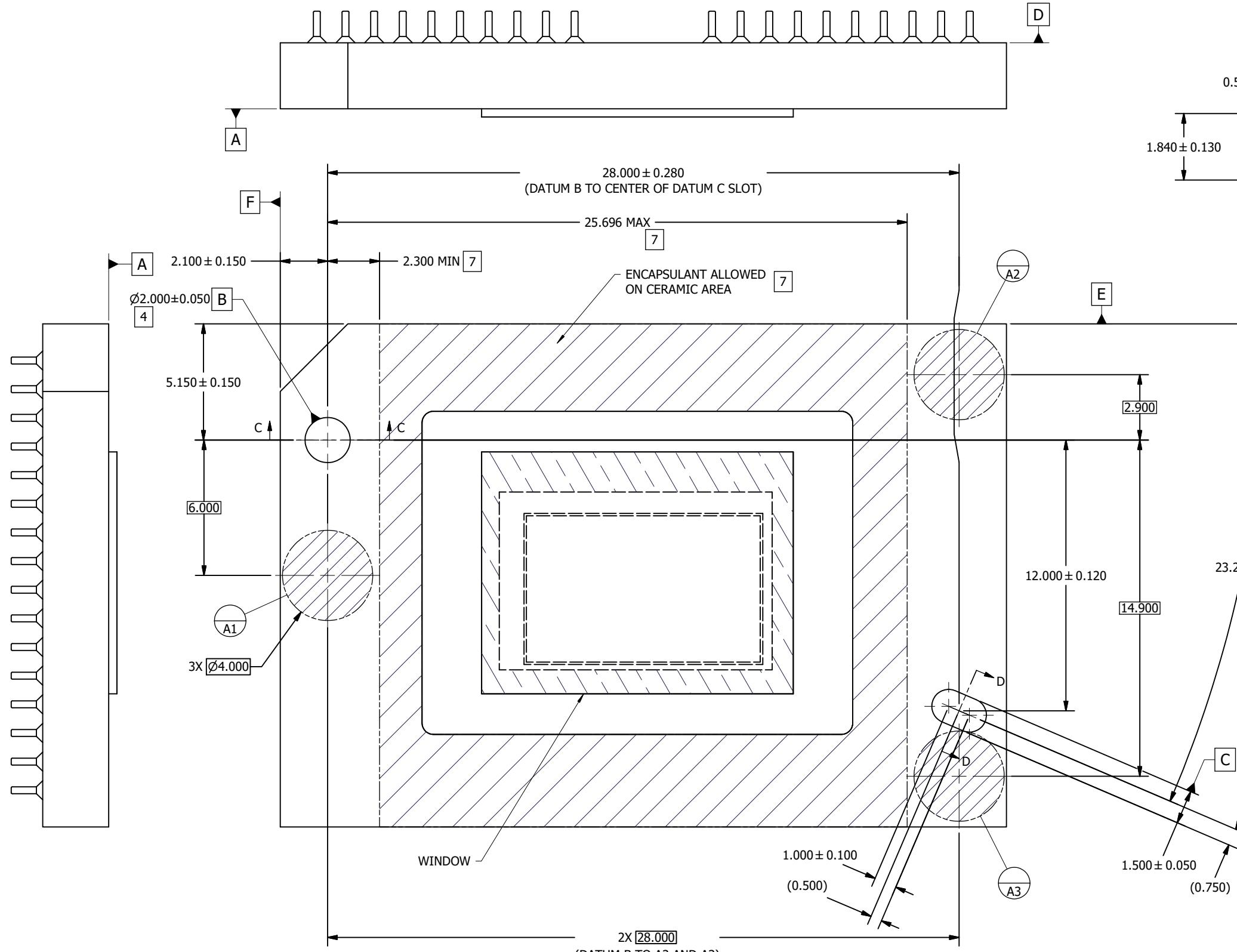
DATE 8/06/2024 BY JER



		UNLESS OTHERWISE SPECIFIED	
• DIMENSIONS ARE IN MILLIMETERS		DRAWN J. RANGEL 5/20/2024	
• TOLERANCES:		DATE 5/20/2024	
• ANGLES ± 1°		ENGINEER H. GAGLIARDI 5/20/2024	
• 2 PLACE DECIMALS ± 0.25		QA/CE M. DORAK 8/6/2024	
• 1 PLACE DECIMALS ± 0.50		CM M. GARCIA 8/6/2024	
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		TITLE ICD, MECHANICAL, DMD	
• INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME		.48" SST subLVDS SERIES 460	
Y14.5M-1994		(FXM PACKAGE)	
• REMOVE ALL BURRS AND SHARP EDGES		DWG NO. 2519197	
• PARENTHETICAL INFORMATION FOR REFERENCE ONLY		REV A	
APPROVED J. MCKINLEY 8/8/2024		SCALE 7:1	
APPLICATION		SHEET 1 OF 4	

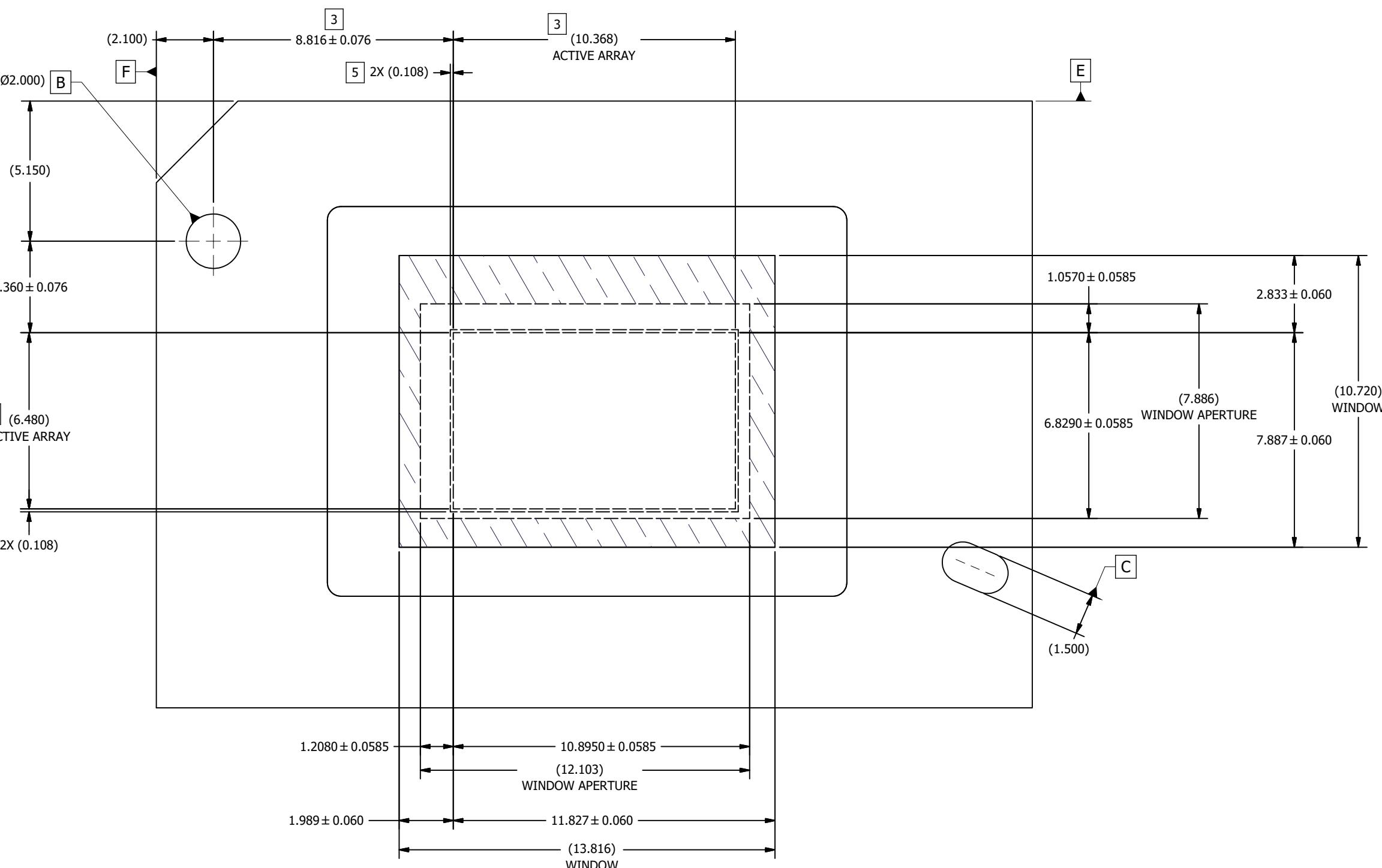
D

D



VIEW B  
DATUMS AND ENCAPSULANT ALLOWABLE AREA  
SCALE 10 : 1

D



VIEW E  
ACTIVE ARRAY AND WINDOW

SCALE 12 : 1

TEXAS  
INSTRUMENTS  
Dallas, Texas

DRAWN  
J. RANGEL

DATE  
5/20/2024

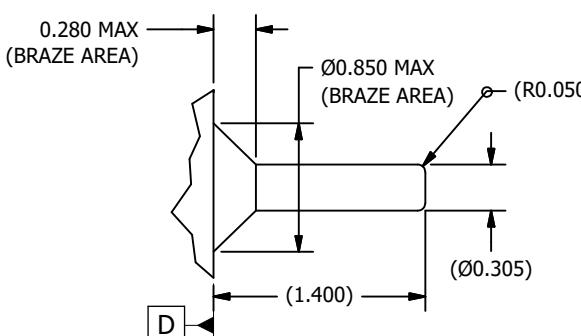
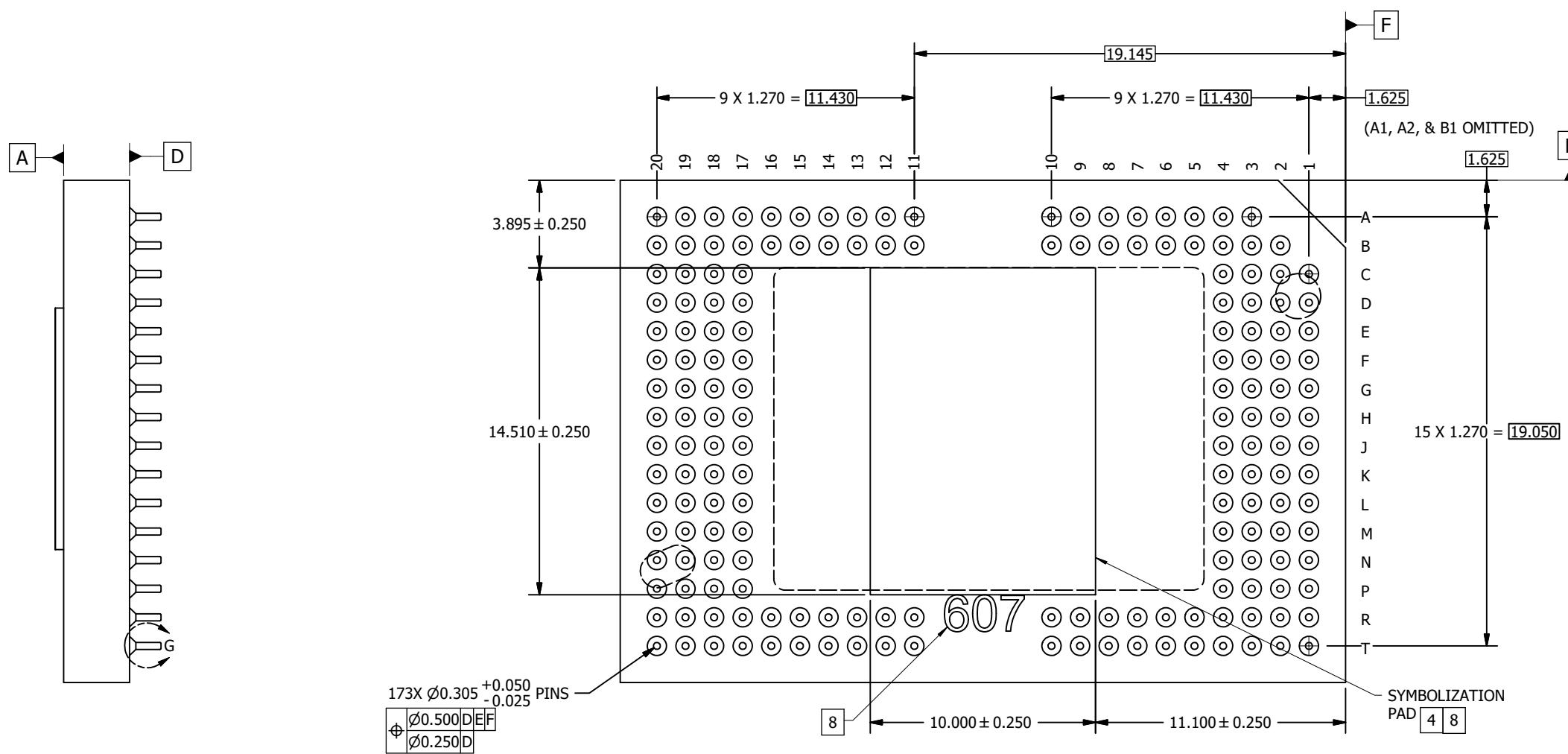
SIZE  
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SCALE

DWG NO.  
2519197  
REV  
A

3 OF 4

D

D



DETAIL G  
PIN AND BRAZE DIMENSIONS

173 PLACES  
SCALE 40 : 1

TEXAS  
INSTRUMENTS  
Dallas, Texas

DRAWN  
J. RANGEL

DATE  
5/20/2024

SIZE  
D

DWG NO.  
2519197

REV  
A

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