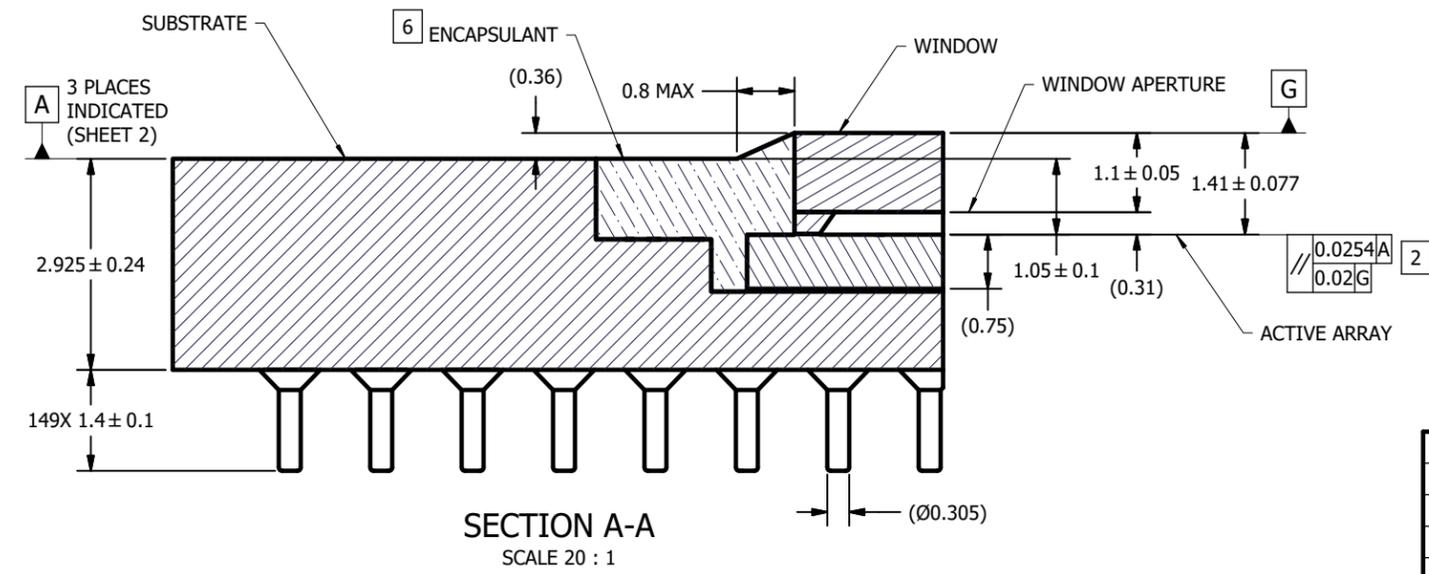
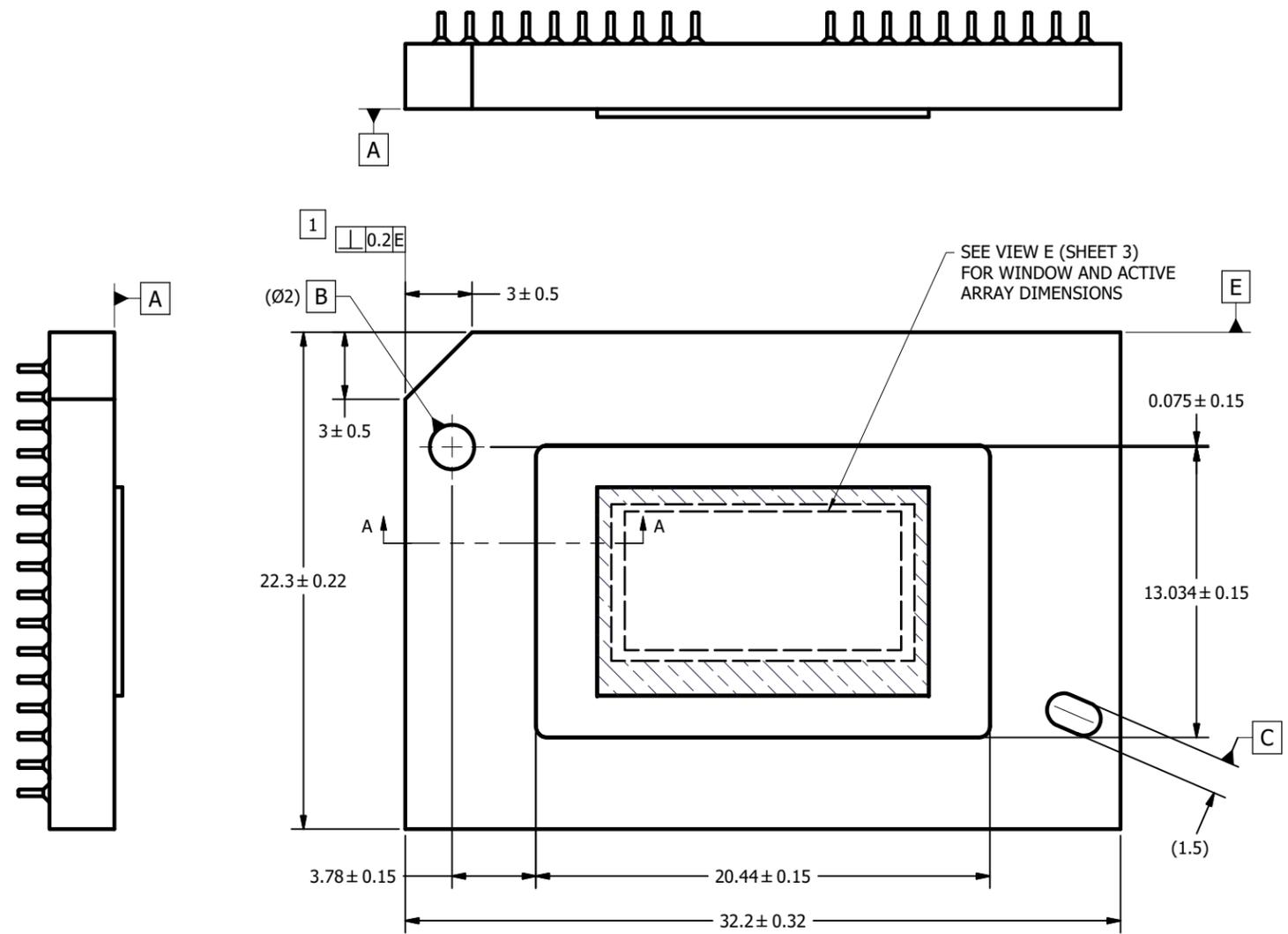


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REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 2182382: INITIAL RELEASE	7/17/2019	BMH
B	ECO 2182408: CHANGE APERTURE TOP EDGE SHAPE	7/26/2019	BMH
C	ECO 2187769: CHG APER TOP EDGE SHAPE & LOCATION	5/14/2020	BMH

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 INDICATED CERAMIC SUBSTRATE FEATURES TO BE PLATED WITH 0.3 MICROMETERS MINIMUM ELECTROLYTIC GOLD OVER 0.1 MICROMETER MINIMUM PALLADIUM OVER 1.27-8.89 MICROMETERS ELECTROLYTIC NICKEL PER ASTM B488-01, ASTM B679-95(2009), AND AMS-QQ-N-290, RESPECTIVELY.
- 9 NOTE THAT THE LOCATION OF THE ACTIVE ARRAY CENTER FOR THIS DMD IS THE SAME AS THE AUTOMOTIVE DLP5530-Q1 AND DLP5531-Q1 DMD'S, BUT IS NOT CONSISTENT WITH ALL OTHER SERIES 450 DMD'S.



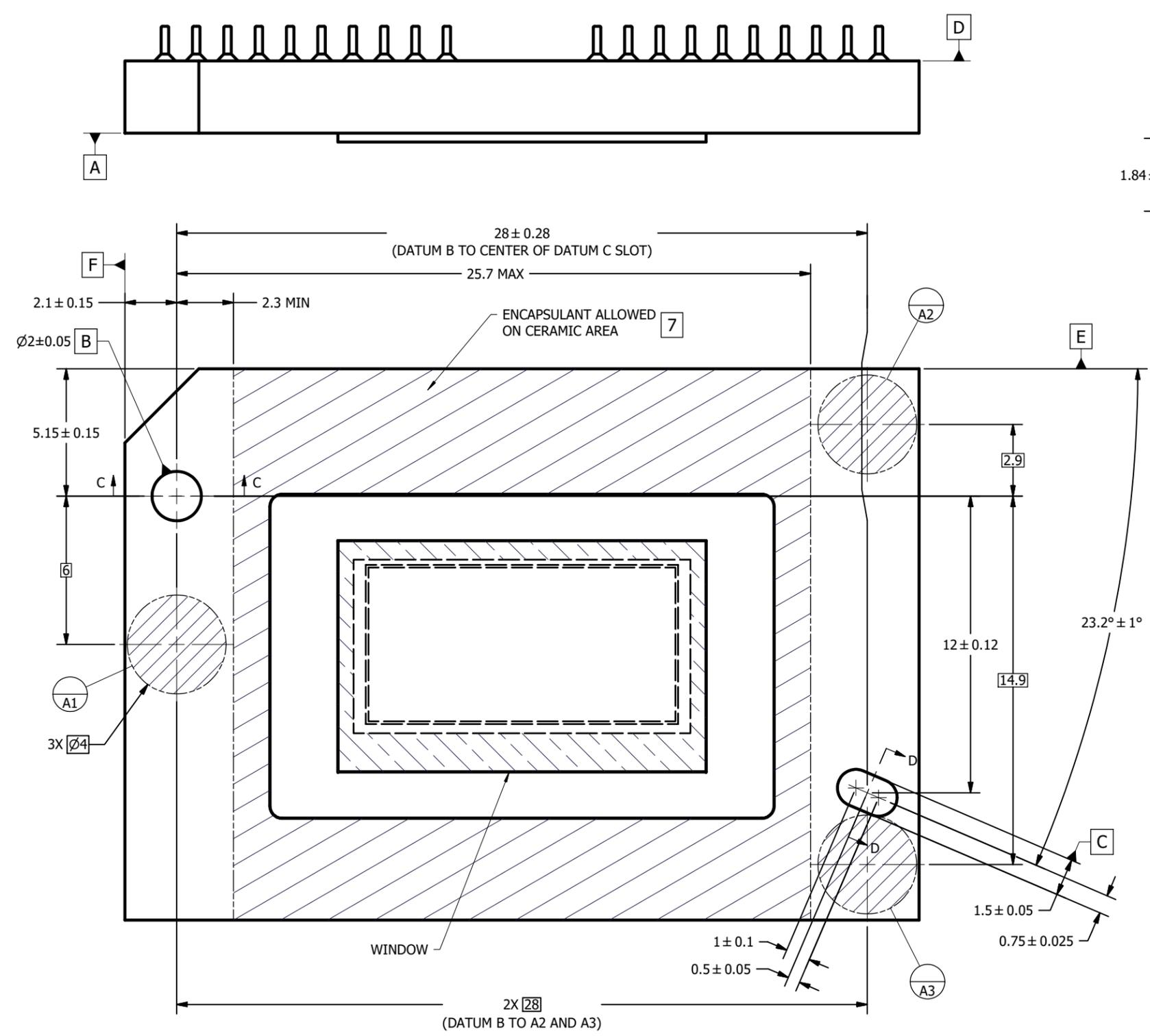
SECTION A-A  
SCALE 20 : 1

THIRD ANGLE PROJECTION	NONE	0314DA
APPLICATION	NEXT ASSY	USED ON

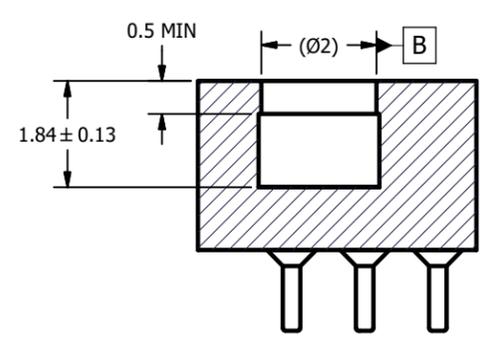
UNLESS OTHERWISE SPECIFIED  
 ● DIMENSIONS ARE IN MILLIMETERS  
 ● TOLERANCES:  
 ANGLES ± 1'  
 2 PLACE DECIMALS ± 0.25  
 1 PLACE DECIMALS ± 0.50  
~~● DIMENSIONAL LIMITS APPLY BEFORE PROCEEDING~~  
 ● INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5M-1994  
~~● REMOVE ALL BURRS AND SHARP EDGES~~  
 ● PARENTHETICAL INFORMATION FOR REFERENCE ONLY

DRAWN	B. HASKETT	DATE	7/17/2019
ENGINEER	B. HASKETT	DATE	7/17/2019
QA/CE	P. KONRAD	DATE	7/18/2019
CM	M. LOPEZ	DATE	7/18/2019
APPROVED	J. McKINLEY	DATE	7/18/2019
APPROVED	B. RAY	DATE	7/17/2019

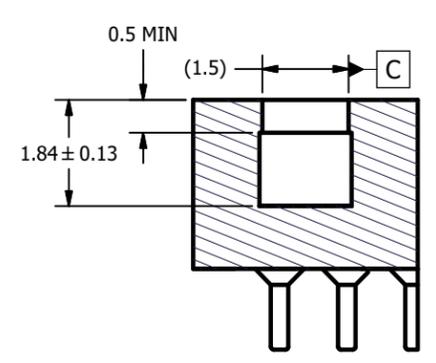
TITLE ICD, MECHANICAL, DMD .55 2:1 1.3MP SERIES 450 -A1 (FYS PACKAGE)	
SIZE	D
DWG NO	2516726
REV	C
SCALE	4:1
SHEET	1 OF 4



VIEW B  
DATUMS AND ENCAPSULANT ALLOWABLE AREA  
SCALE 10 : 1



SECTION C-C  
DATUM B  
SCALE 16 : 1



SECTION D-D  
DATUM C  
(VIEW ROTATED FOR CLARITY)  
SCALE 16 : 1

D

D

C

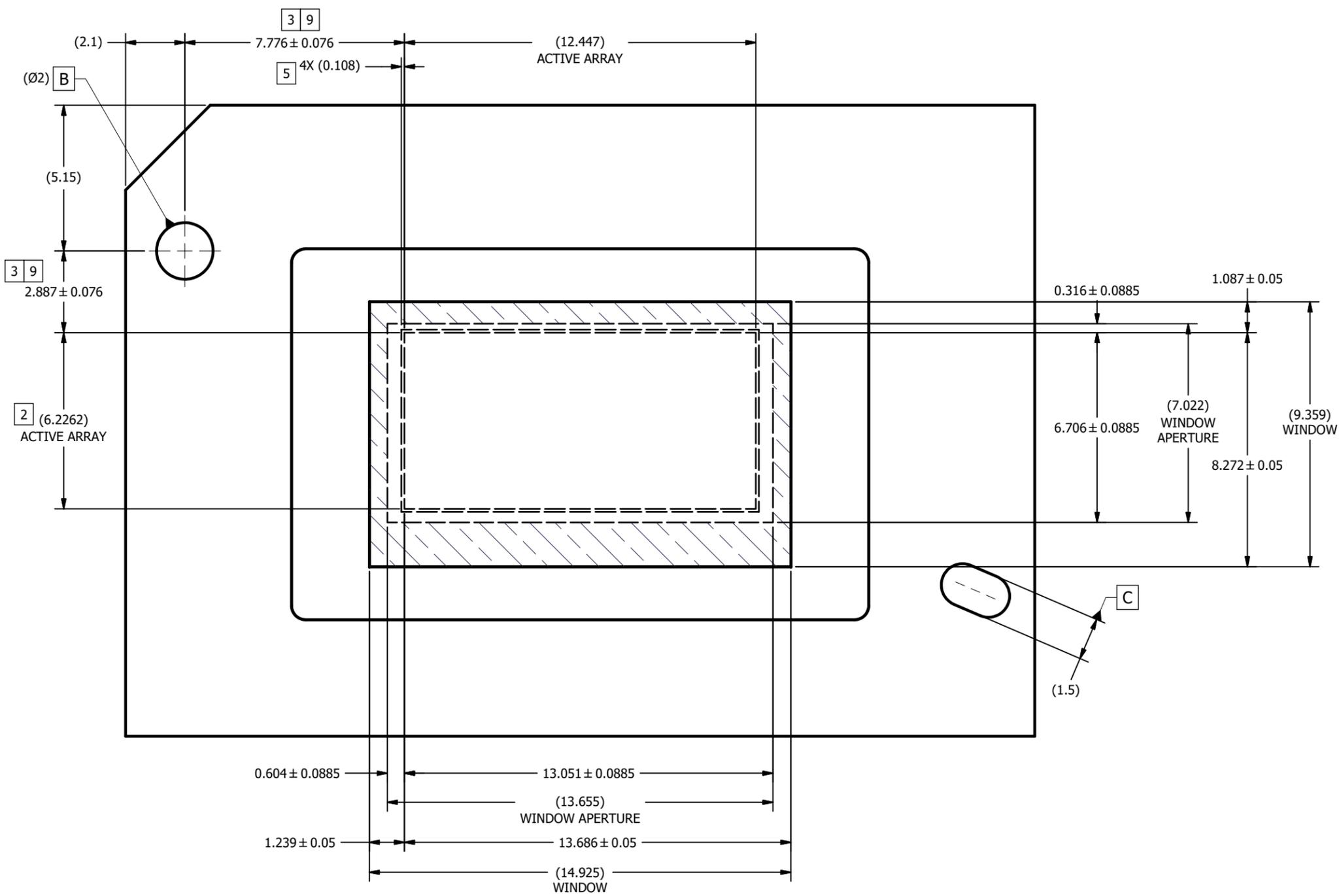
C

B

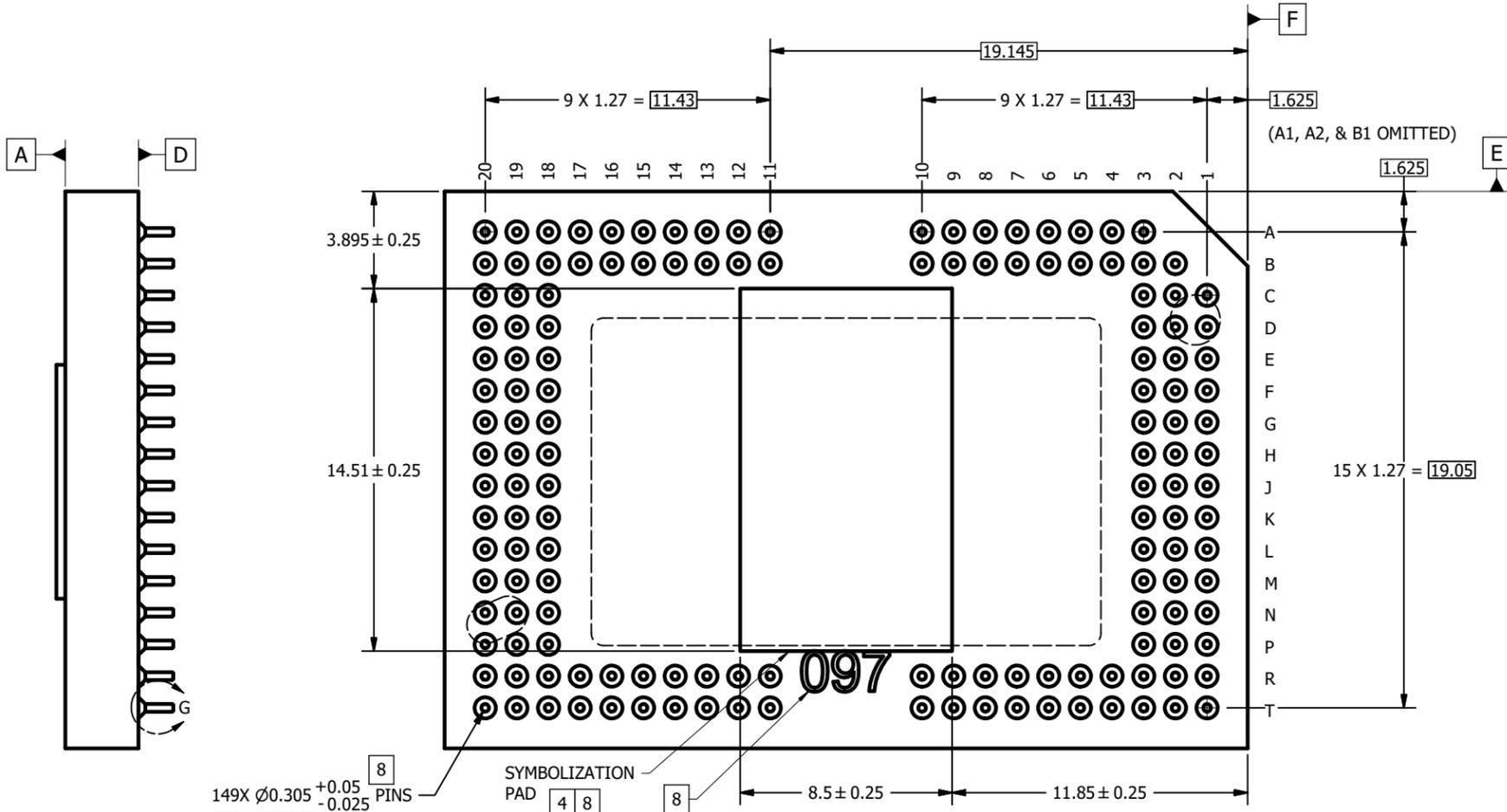
B

A

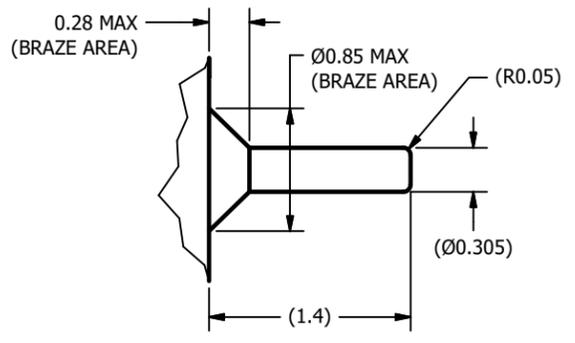
A



VIEW E  
ACTIVE ARRAY AND WINDOW  
SCALE 12 : 1



VIEW F  
PINS AND SYMBOLIZATION PAD  
SCALE 8 : 1



DETAIL G  
PIN AND BRAZE DIMENSIONS  
149 PLACES  
SCALE 40 : 1

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