

NOTES: UNLESS OTHERWISE SPECIFIED:

- 1
- 2
- 3
- 4
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- 8
- SUBSTRATE EDGE PERPENDICULARITY TOLERANCE APPLIES TO ENTIRE SURFACE
- DIE PARALLELISM TOLERANCE APPLIES TO DMD ACTIVE ARRAY ONLY
- ROTATION ANGLE OF DMD ACTIVE ARRAY IS A REFINEMENT OF THE LOCATION TOLERANCE AND HAS A MAXIMUM ALLOWED VALUE OF 0.8 DEGREES
- SUBSTRATE SYMBOLIZATION PAD AND PLATING AT BOTTOM OF DATUMS B AND C HOLES TO BE ELECTRICALLY CONNECTED TO VSS PLANE WITHIN THE SUBSTRATE BOUNDARY MIRRORS SURROUNDING THE DMD ACTIVE AREA
- MAXIMUM ENCAPSULANT PROFILE SHOWN
- ENCAPSULANT ALLOWED ON THE SURFACE OF THE CERAMIC IN THE AREA SHOWN IN VIEW B (SHEET 2). ENCAPSULANT SHALL NOT EXCEED 0.2 THICKNESS MAXIMUM.
- INDICATED CERAMIC SUBSTRATE FEATURES TO BE PLATED WITH 0.3 MICROMETER 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.

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ECO 2142364, INITIAL RELEASE	06/03/2014	M. AVERY
B	ECO 2153319, UPDATE PACKAGE DESIGNATOR IN TITLE BLOCK, NOTE 8 FIXED FOR Ni/Pd/Au, MOVED SUPPLIER CODE IN VIEW F–F.	09/11/2015	M. AVERY
C	ECO 2158233, UPDATE VIEW F–F 3 DIGIT P/N	05/18/2016	M. AVERY
D	ECO 2168572, CHG DIE HEIGHT TOL, WAS ± 0.08	08/25/2017	M. AVERY

D

D

C

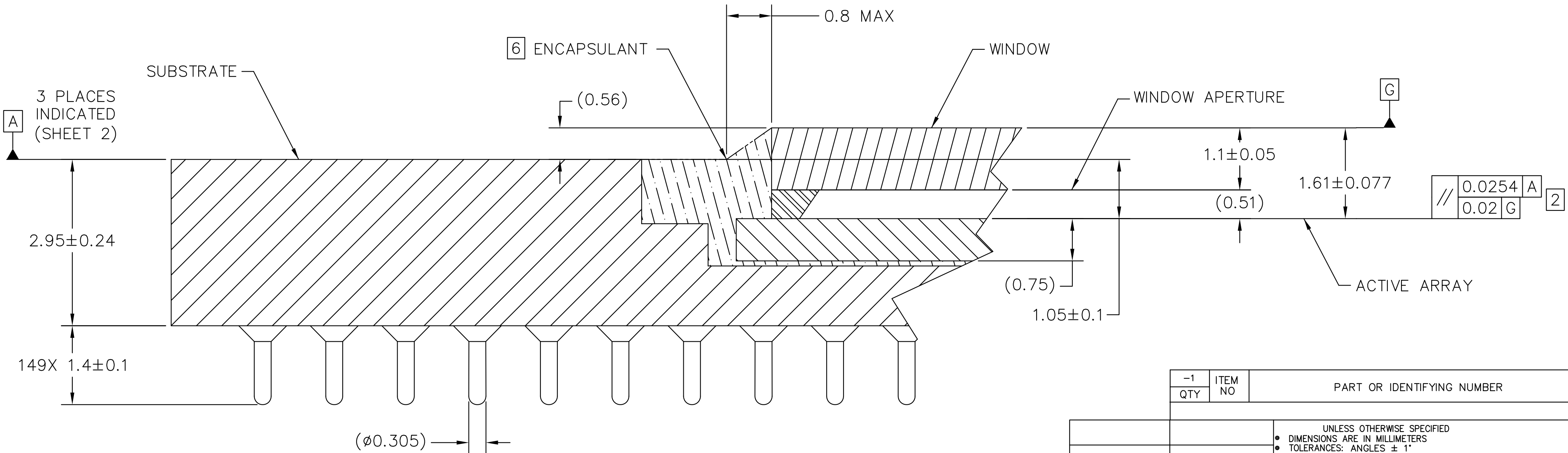
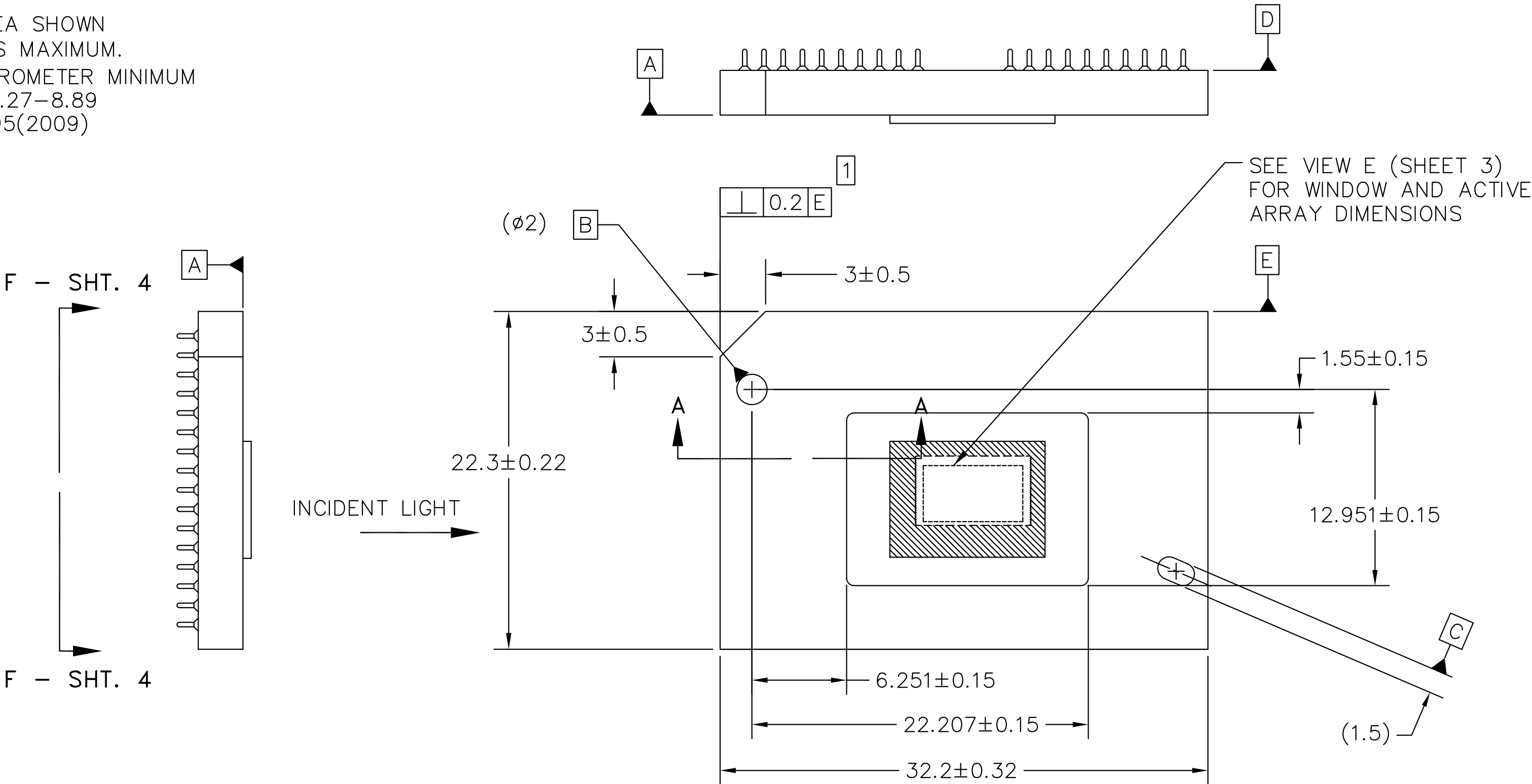
C

B


B

A

A



SECTION A–A
SCALE 20/1

-1 QTY		ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION					NOTES
PARTS LIST									
			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 PROGRESSES • PARENTHETICAL INFO FOR REF ONLY	DWN M. AVERY	DATE 6/3/14	<div>TEXAS INSTRUMENTS <i>Dallas, Texas</i></div> <div>ICD, MECHANICAL, DMD .3 WVGA DDR SERIES 450 –A1 (FYJ PACKAGE)</div>			
			ENGR M. AVERY	6/3/14					
			B. HASKETT	6/5/14					
			P. KONRAD	6/13/14					
			R. LONG	6/20/14					
0314DA				GCE M. DORAK	6/23/14	SIZE D	DRAWING NO 2514100	REV D	
USED ON				S. SUSI	6/18/14	SCALE 4/1	SHEET 1 OF 4		
LOCATION									

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7

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DWG NO

2514100

SH 2

1

D

D

C

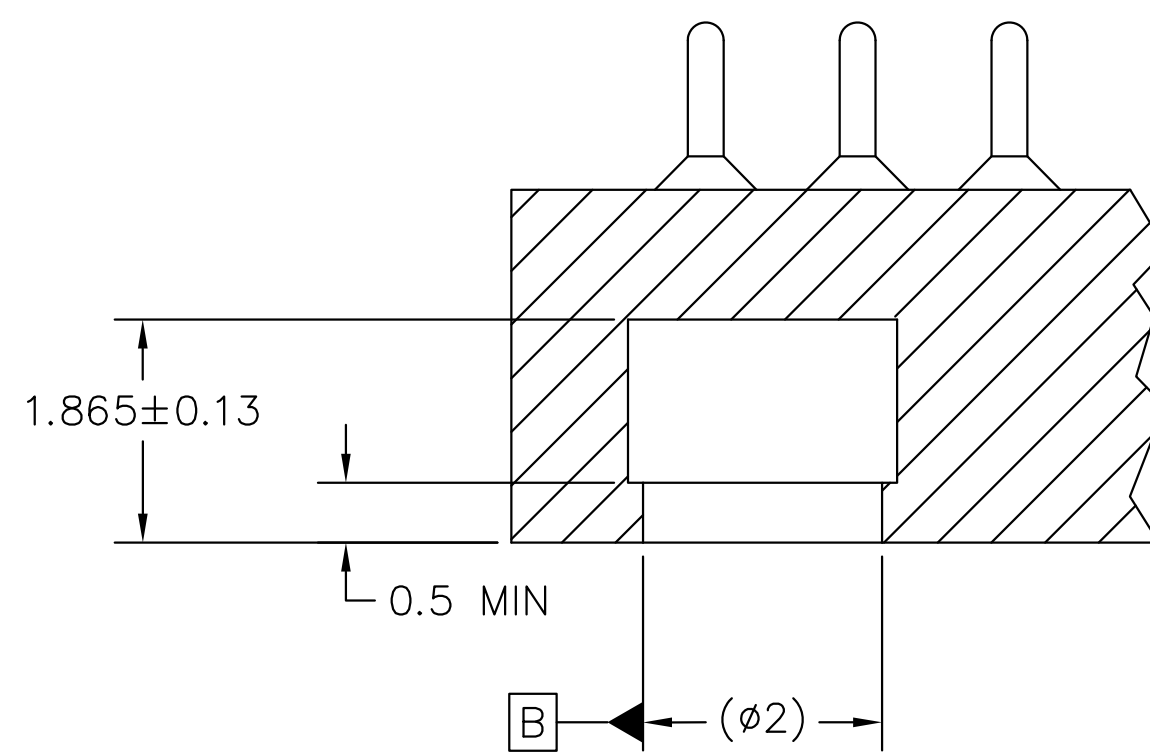
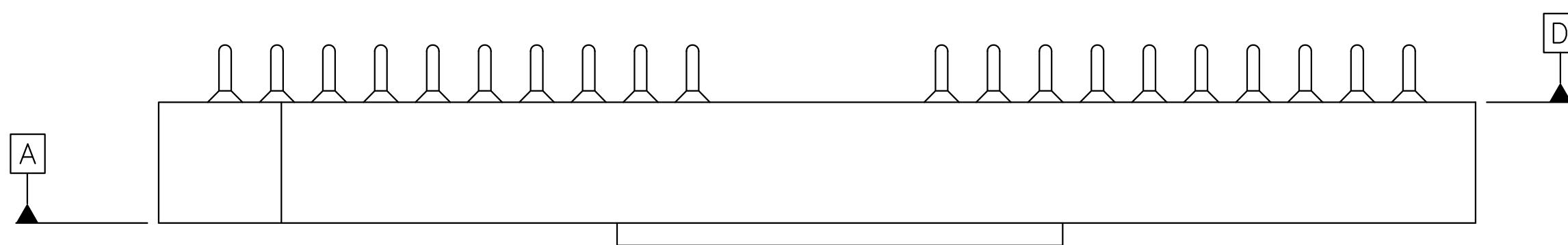
C

B

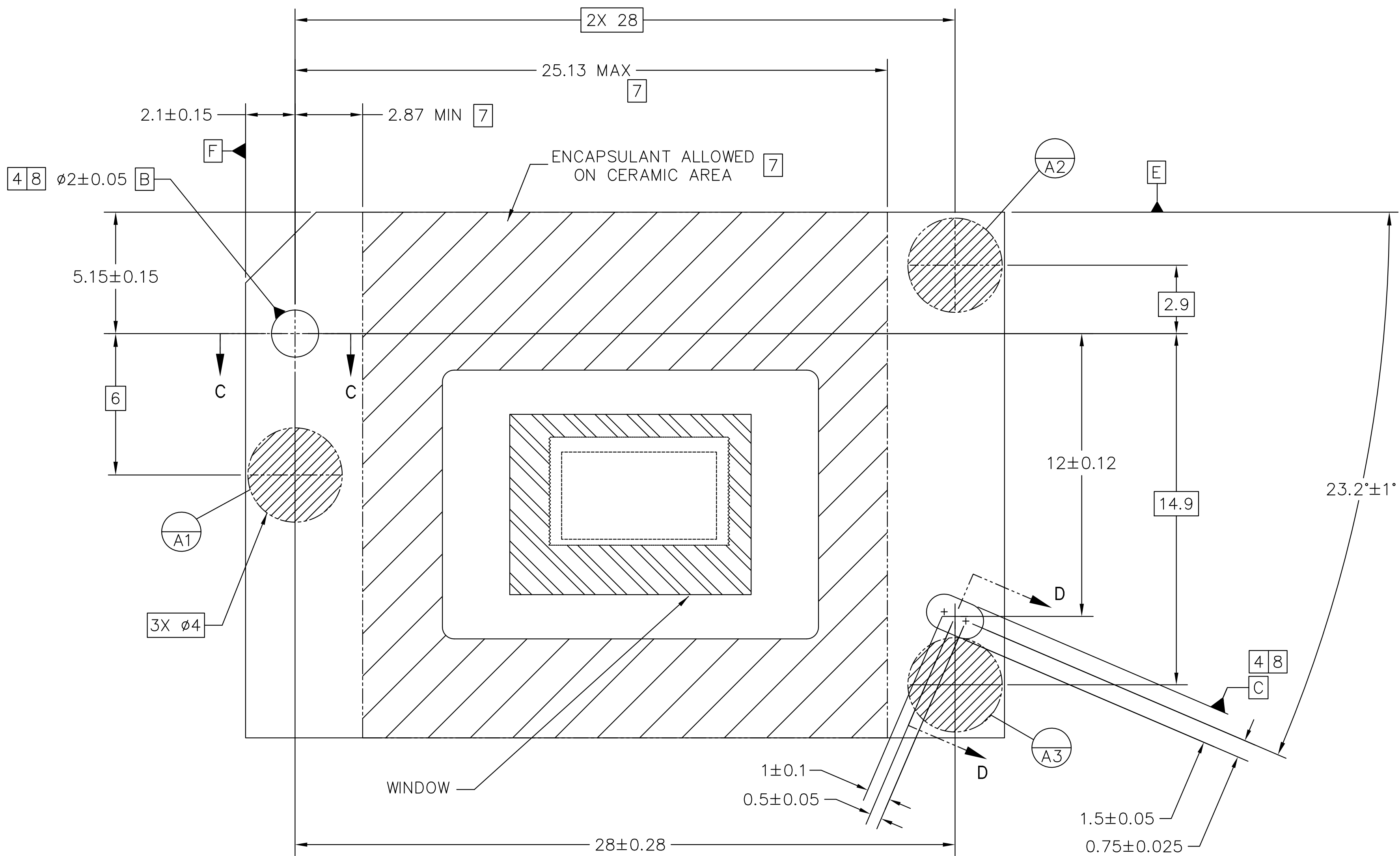
B

A

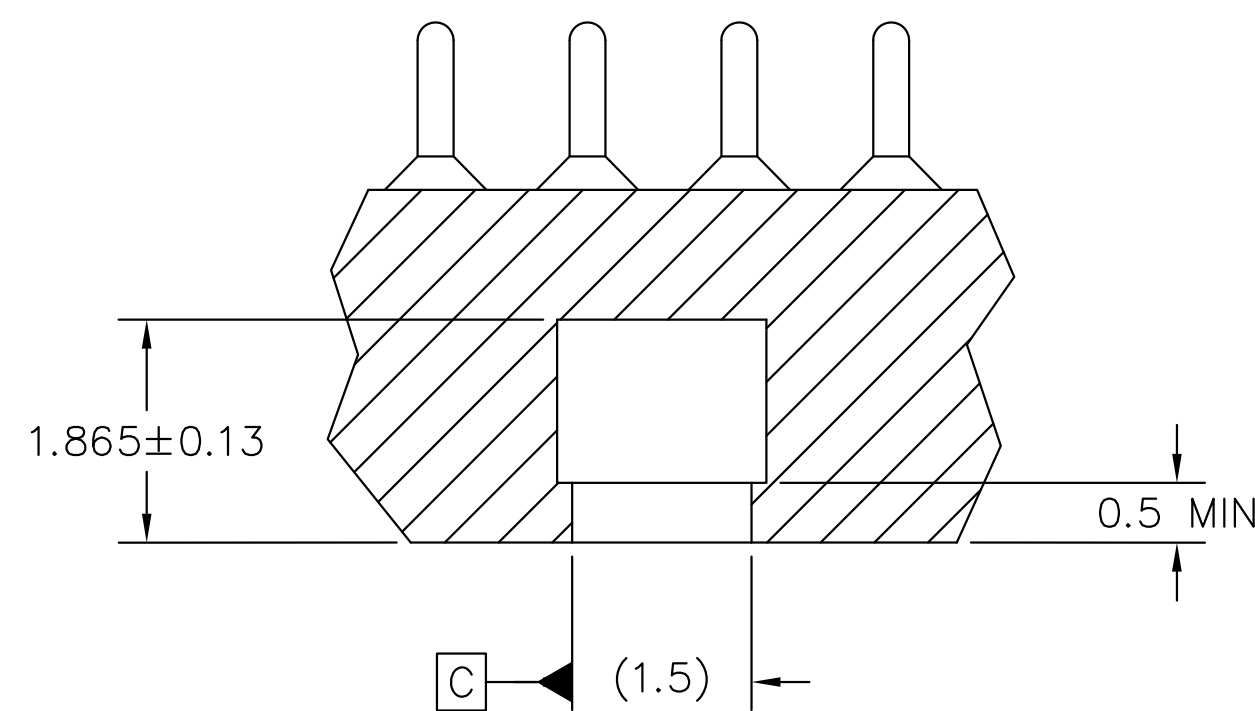
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SECTION C-C
DATUM B
SCALE 16/1



VIEW B
DATUMS AND ENCAPSULANT ALLOWABLE AREA
SCALE 8/1



SECTION D-D
DATUM C
SCALE 16/1

8

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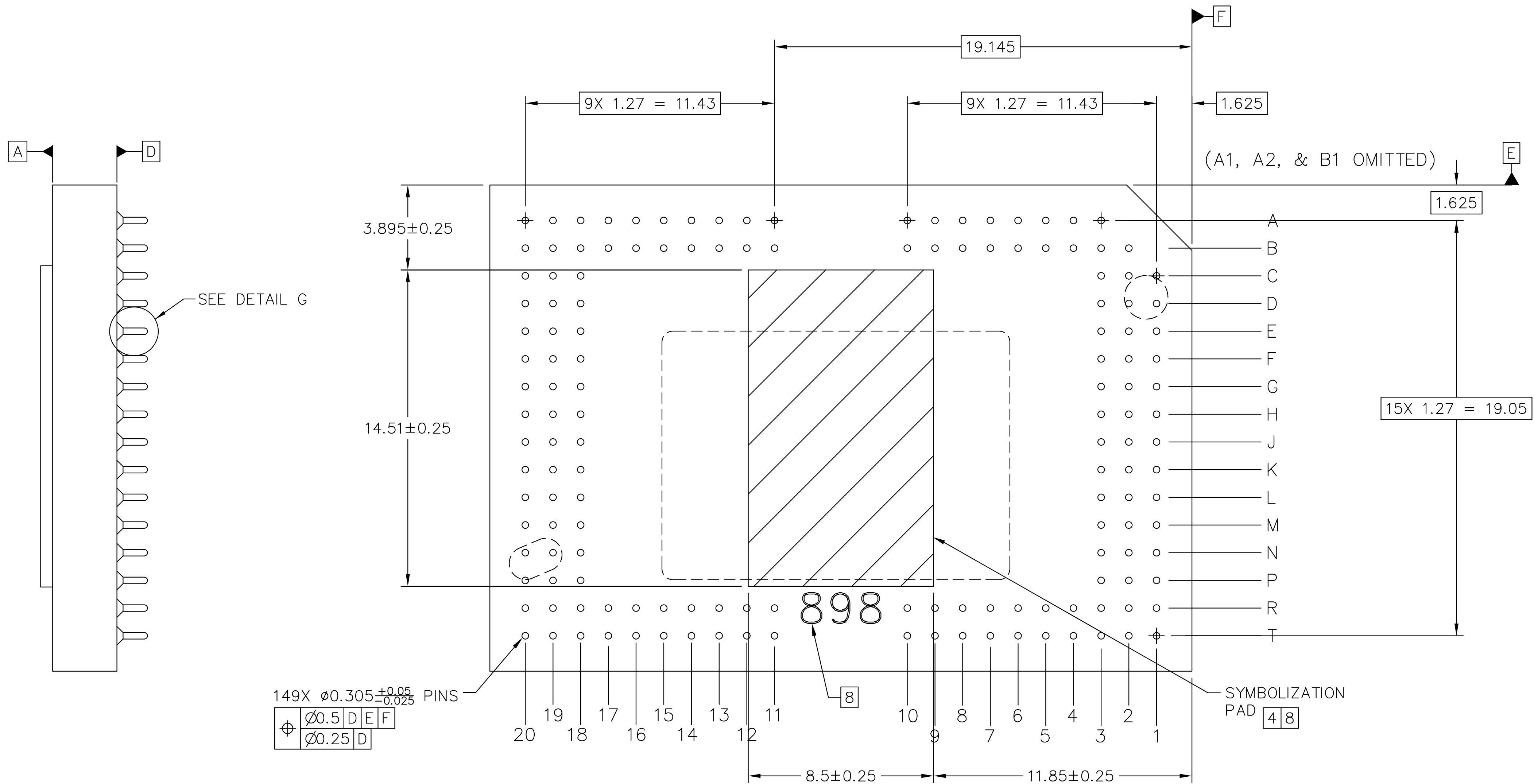
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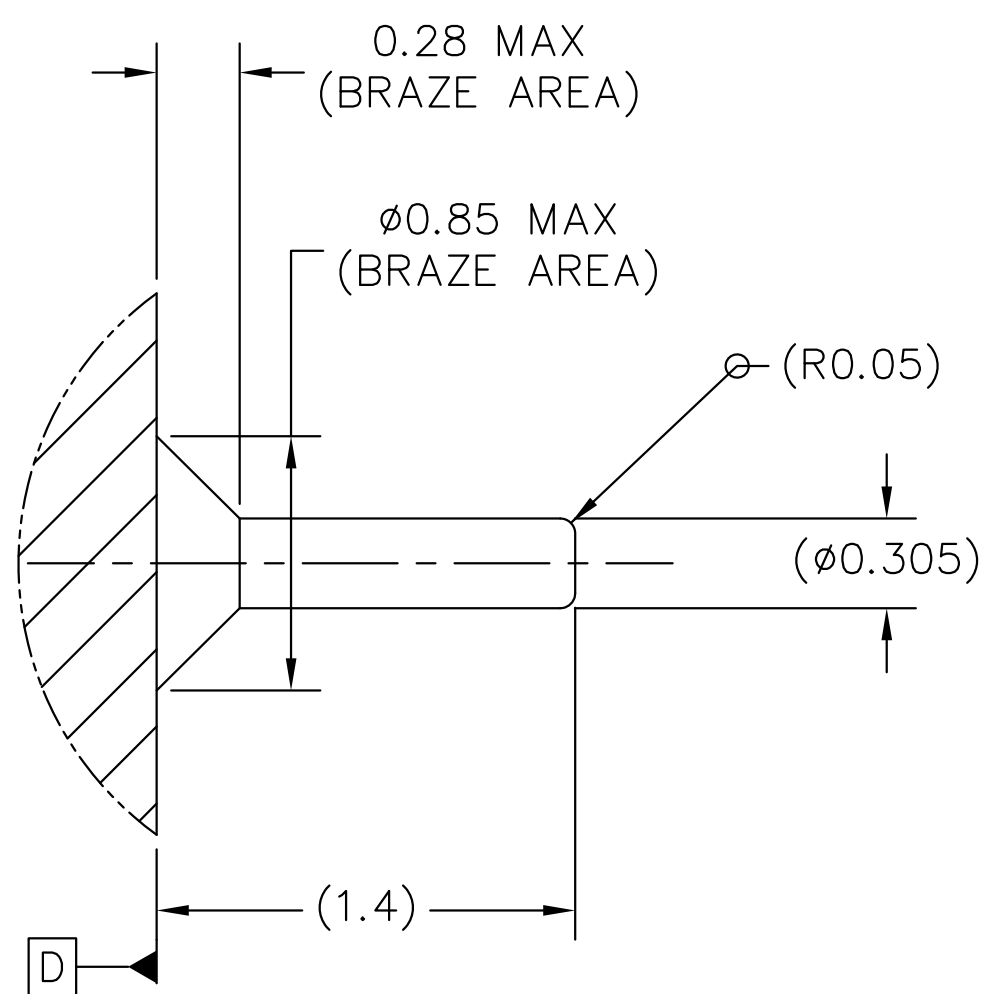
2514100

SH 4

1



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



DETAIL G (149 PLACES) 8
PIN & BRAZE DIMENSIONS
SCALE 40/1

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