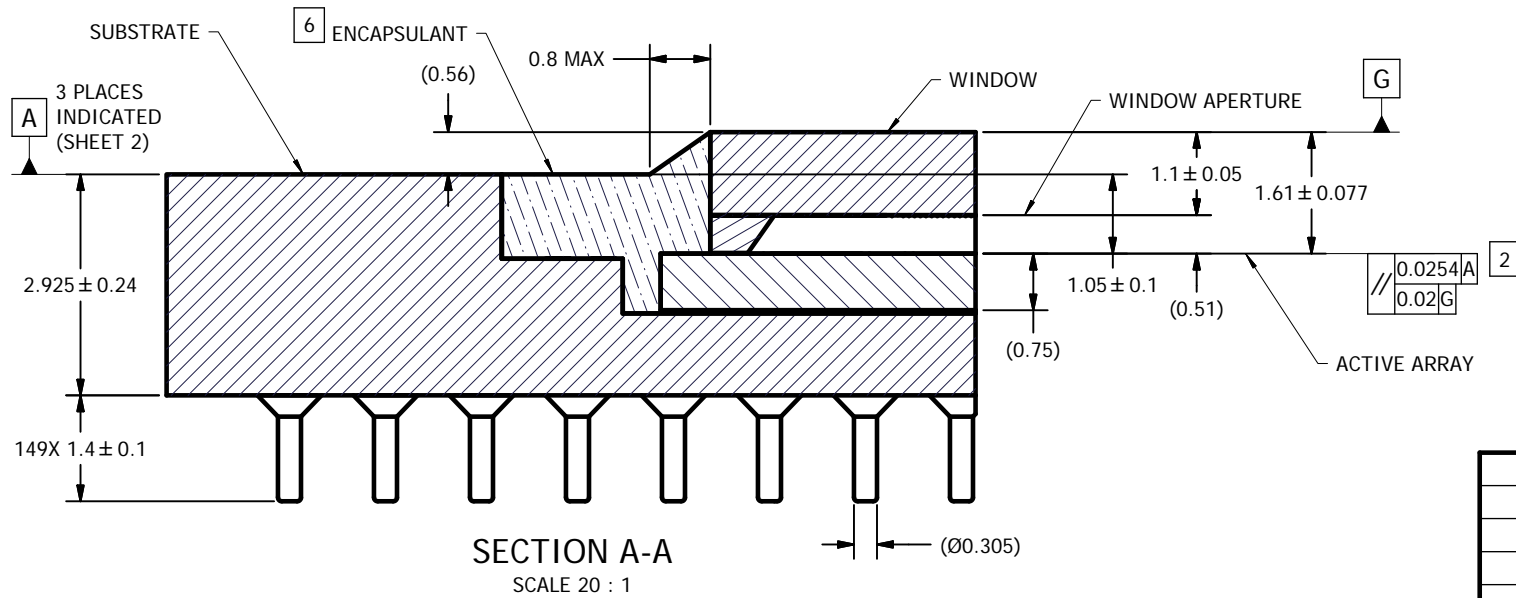
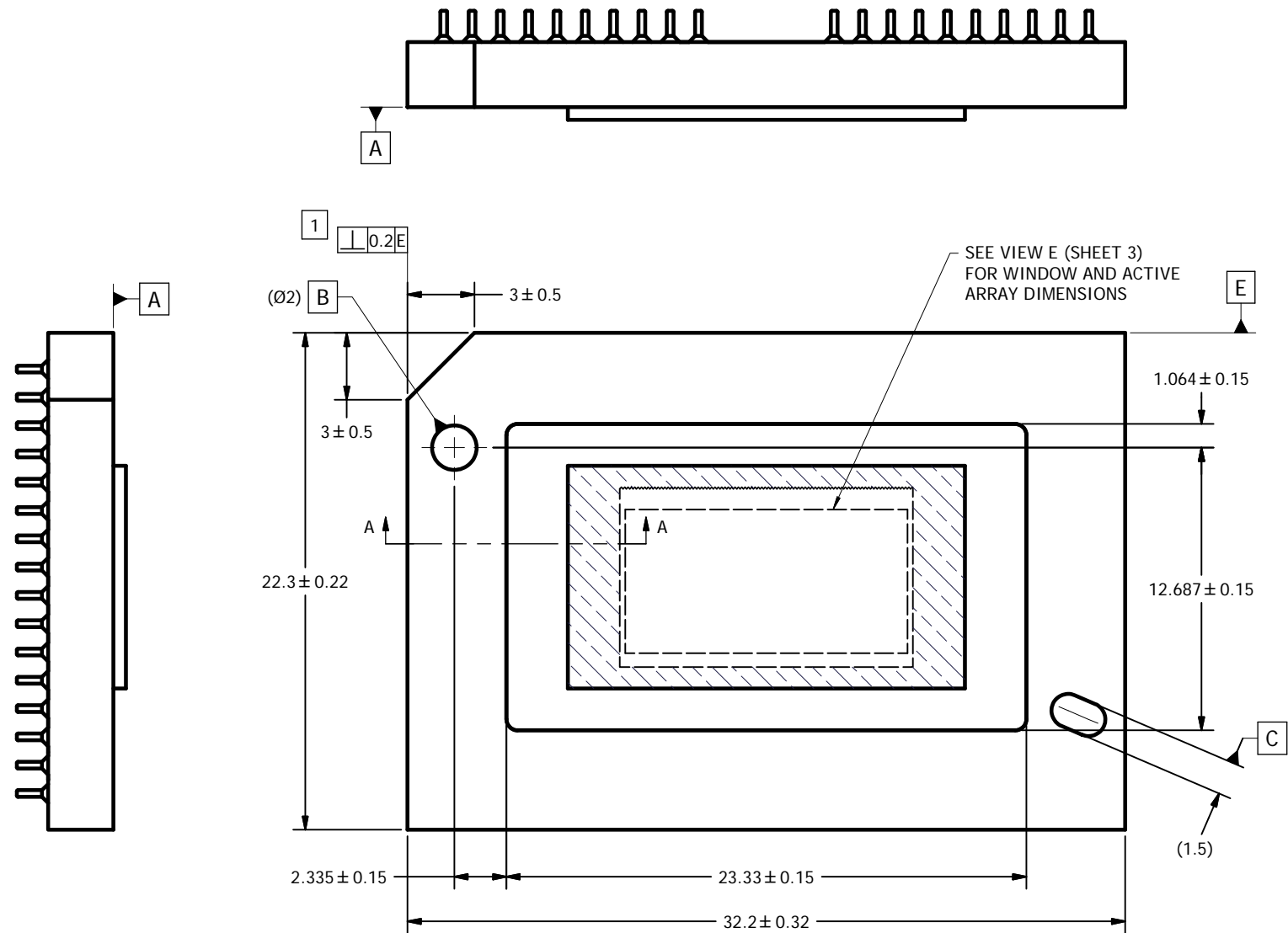


NOTES UNLESS OTHERWISE SPECIFIED:

- 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 ACTIVE ARRAY CENTER IS IN A DIFFERENT LOCATION FROM ALL PRIOR SERIES 450 DMD'S.

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REVISONS			
REV	DESCRIPTION	DATE	BY
A	ECO 2155049: INITIAL RELEASE	12/7/2015	BMH
B	ECO 2165903: UPDATE SUBSTRATE BACK MARKING, SH. 4	4/25/2017	BMH
C	ECO 2170159: RELAX DIE HEIGHT TOL., WAS +/-0.08	11/9/2017	BMH

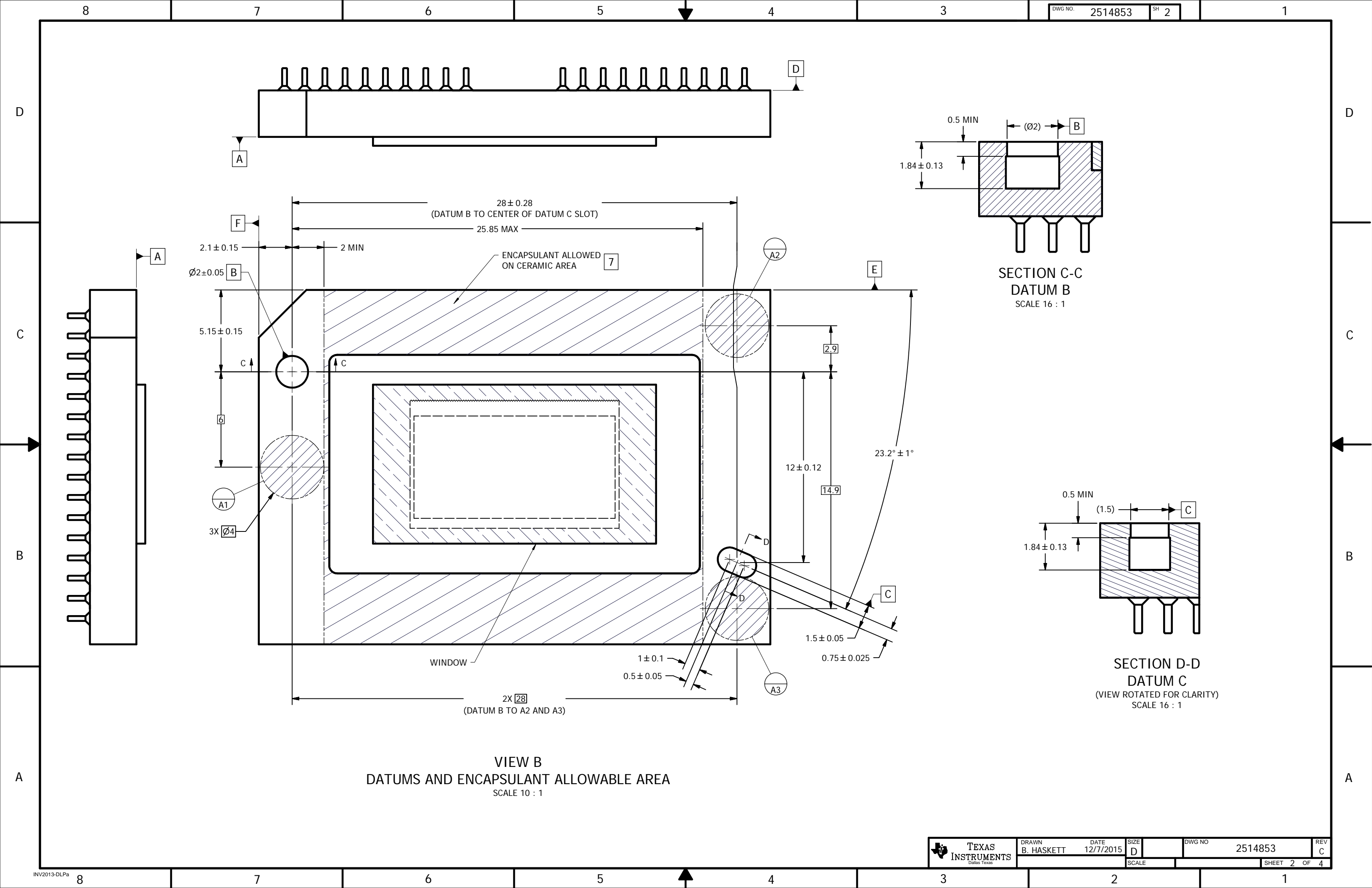


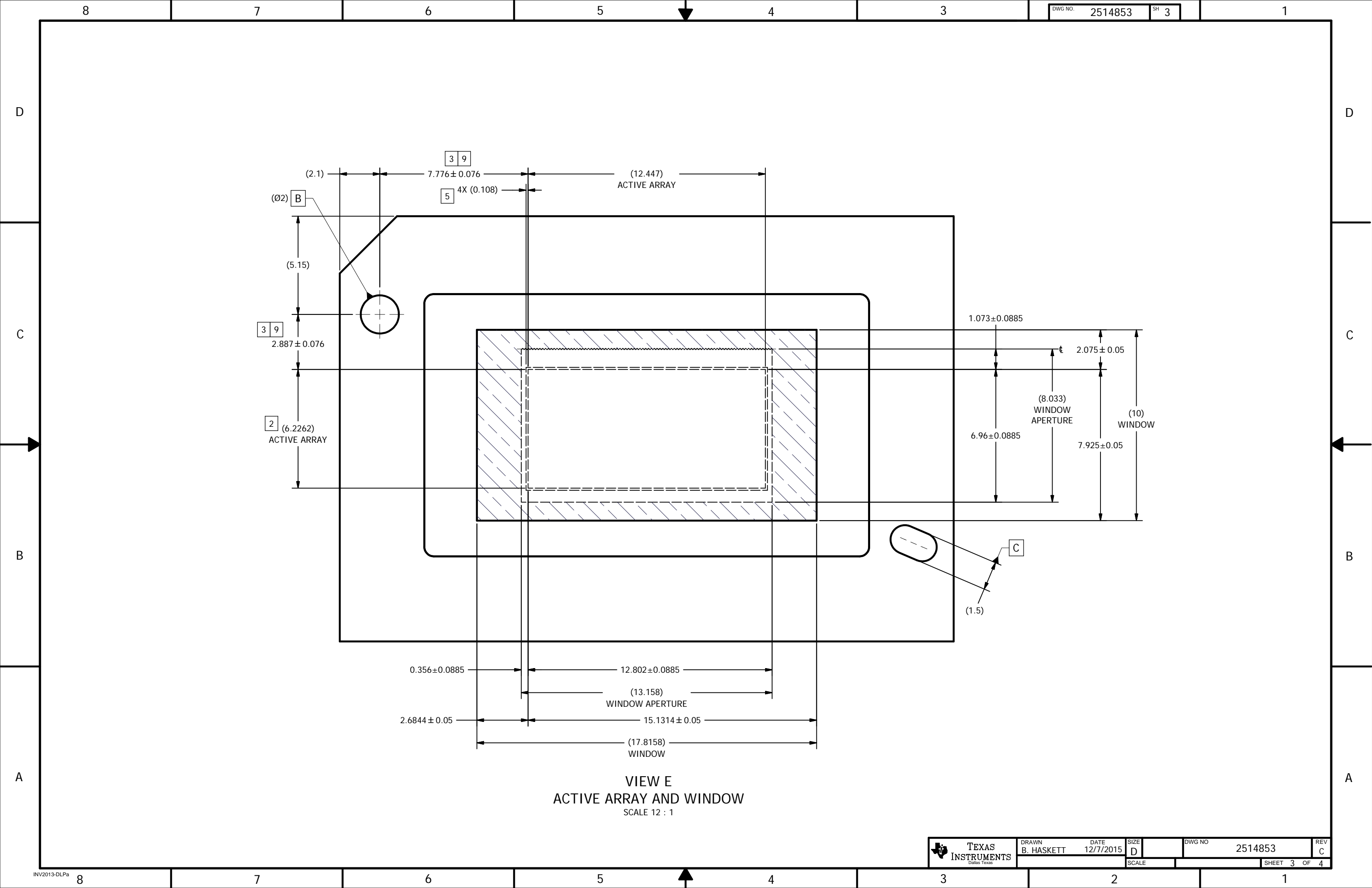
APPLICATION	DATE	BY
NONE	0314DA	
NEXT ASSY	USED ON	

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

DRAWN	DATE
B. HASKETT	12/7/2015
ENGINEER	
B. HASKETT	12/7/2015
QA/CE	
P. KONRAD	12/8/2015
CM	
S. SUSI	12/8/2015
APPROVED	
M. DORAK	12/8/2015
B. RAY	12/8/2015

TEXAS INSTRUMENTS Dallas, Texas			
TITLE			
ICD, MECHANICAL, DMD .55 2:1 1.3MP SERIES 450 -A1 (FYK PACKAGE)			
SIZE	DWG NO	REV	
D	2514853	C	
SCALE 4:1		SHEET 1 OF 4	





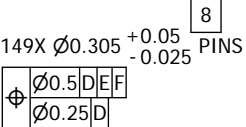
VIEW E
ACTIVE ARRAY AND WINDOW
SCALE 12 : 1

D

C

B

A



VIEW F
PINS AND SYMBOLIZATION PAD
SCALE 8 : 1

