

4

3

2

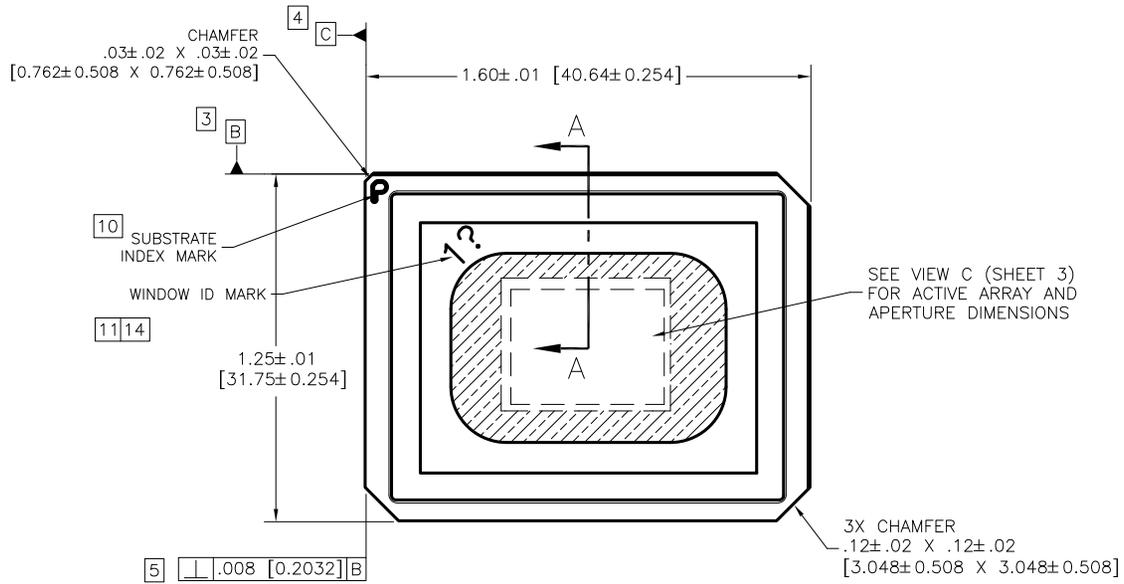
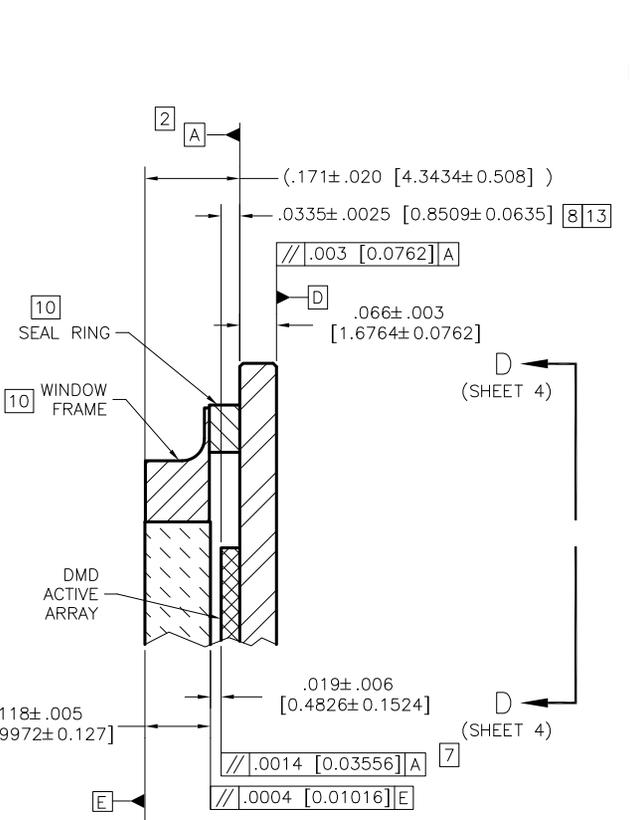
1

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ECO 2071155, INITIAL RELEASE	07/24/06	MRW
B	ECO 2077187, CHG DESG FROM 29	02/19/07	MRW

1. INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5M-1994.
2. DATUM A (SYSTEM INTERFACE PLANE) ESTABLISHED BY THREE DATUM AREAS SHOWN IN VIEW B (SHEET 2).
3. DATUM B ESTABLISHED BY TWO DATUM AREAS SHOWN IN VIEW B (SHEET 2).
4. DATUM C ESTABLISHED BY DATUM AREA SHOWN IN VIEW B (SHEET 2).
5. SUBSTRATE EDGE PERPENDICULARITY TOLERANCE APPLIES TO ENTIRE SURFACE.
6. LOCALIZED BACKSIDE SURFACE FLATNESS APPLIES TO ENTIRE CERAMIC SURFACE.
7. DIE PARALLELISM TOLERANCE APPLIES TO DMD ACTIVE ARRAY ONLY.
8. DIE HEIGHT TOLERANCE APPLIES TO CENTER OF DMD ACTIVE ARRAY ONLY.
9. ROTATION ANGLE OF DMD ACTIVE ARRAY IS A REFINEMENT OF THE LOCATION TOLERANCE AND IS THE MAXIMUM VALUE ALLOWED.
10. SUBSTRATE INDEX MARK, SYMBOLIZATION PAD, SEAL RING, AND WINDOW FRAME TO BE ELECTRICALLY CONNECTED TO VSS PLANE IN SUBSTRATE.
11. WINDOW SHALL BE ORIENTED SUCH THAT WINDOW ID MARK ALIGNS WITH SUBSTRATE INDEX MARK AS SHOWN.
12. THE OUTER DIMENSIONS OF THE SYMBOLIZATION PAD REPRESENT THE APPROXIMATE SIZE AND LOCATION OF THE RECOMMENDED THERMAL INTERFACE AREA.
13. DMD ACTIVE ARRAY DIMENSIONS ARE RELATED TO DATUM A (PRIMARY), DATUM B (SECONDARY), AND DATUM C (TERTIARY).
14. ? IS A WILD CARD CHARACTER AND CAN BE ANY LETTER.



QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
-1				
PARTS LIST				
		UNLESS OTHERWISE SPECIFIED:	DATE 07/12/06	
		• DIMENSIONS ARE IN INCHES [MILLIMETERS]	ENGR A. ARAYATA	
		• TOLERANCES: ANGLES ± 1	GA	
		• 2 PLACE DECIMALS ± 0.05 [0.127]	APVD	
		• 3 PLACE DECIMALS ± 0.01 [0.254]	SCALE 3/1	
		• REMOVE ALL BURRS AND SHARP EDGES	DRAWING NO 2507867	REV B
		• DIMENSIONAL LIMITS APPLY BEFORE FINISHING	SHEET 1 OF 4	
		• PARENTHEICAL INFO FOR REF ONLY		
		HOLE TOLERANCE		
		013 THRU ± .004		
		018 THRU ± .005		
		020 THRU ± .006		
		025 THRU ± .007		
		030 THRU ± .008		
		035 THRU ± .009		
		040 THRU ± .010		
		045 THRU ± .011		
		050 THRU ± .012		
		055 THRU ± .013		
		060 THRU ± .014		
		065 THRU ± .015		
		070 THRU ± .016		
		075 THRU ± .017		
		080 THRU ± .018		
		085 THRU ± .019		
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		1.000 ± .197		
		1.000 ± .198		
		1.000 ± .199		
		1.000 ± .200		

D

D

C

C

B

B

A

A

ACEC1g

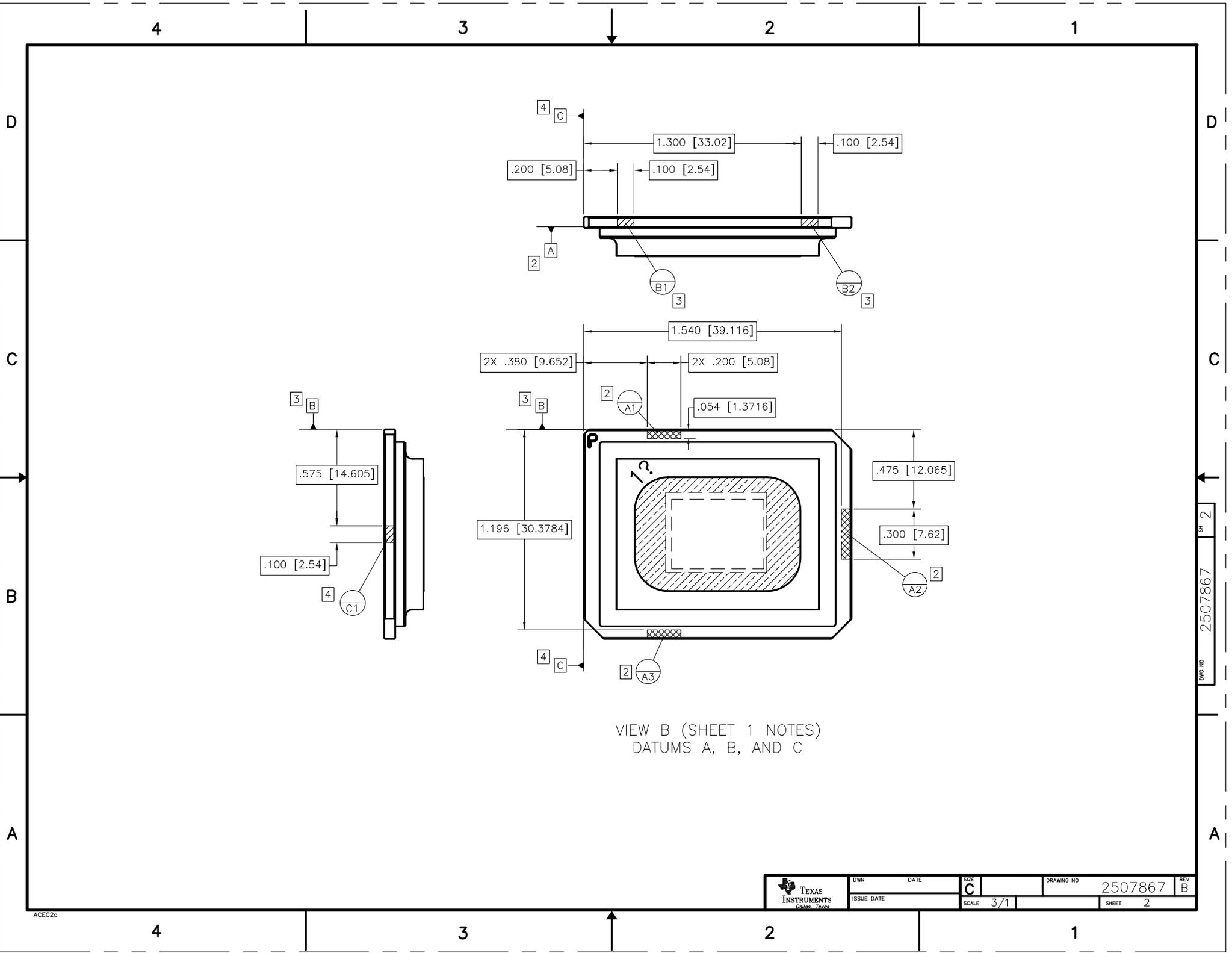
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3

2

1

DWG NO 2507867 SH 1



DWG NO 2507867

 TEXAS INSTRUMENTS <small>Dallas, Texas</small>	DWN	DATE	SIZE	DRAWING NO	REV
	ISSUE DATE	SCALE	3/1	2507867	B
			SHEET	2	

4

3

2

1

D

D

INCIDENT LIGHT

.5242±.006  
[13.3158408±0.1524]

(.5515 [14.008])  
DMD ACTIVE ARRAY

B 3

4 C

9 13

0.0°±0.8°  
(ANGLE)

.4182±.006  
[10.62188122±0.1524]

13

(.4136 [10.5062])  
DMD ACTIVE ARRAY

.0412±.0105 [1.04552±0.2667]

.4780±.0020  
[12.14008±0.0508]

WINDOW SHIELD  
APERTURE

DMD  
ACTIVE ARRAY

.0352±.0105 [0.89422±0.2667]

.6090±.0020 [15.4691±0.0508]

VIEW C (SHEET 1)  
DMD ACTIVE ARRAY AND  
WINDOW SHIELD APERTURE

SH 3  
DWG NO 2507867

B

B

A

A

 <b>TEXAS INSTRUMENTS</b> <small>2010s - 2010w</small>	DWN	DATE	SIZE	DRAWING NO	REV
	ISSUE DATE	SCALE	3/1	2507867	B
			SHEET	3	

4

3

2

1

4

3

2

1

D

D

203X  $\varnothing.054 \pm .003$  [1.3716  $\pm$  0.0762]

$\varnothing.020$	[0.508]	D	B	C
$\varnothing.010$	[0.254]	D		

29X  $.050$  [1.27] = 1.450 [36.83]

.075 [1.905]

(.100 [2.54])

(.050 [1.27])

.075 [1.905]

.365  $\pm$  .010 [9.271  $\pm$  0.254]

(.050 [1.27])

074

(.100 [2.54])

[12] .52  $\pm$  .01 [13.208  $\pm$  0.254]

22X  $.050$  [1.27] = 1.100 [27.94]

SYMBOLIZATION PAD [10][12]

[6]  $\varnothing.0004$  [0.01016] / .05X.05 [1.27X1.27]

30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

.72  $\pm$  .01 [18.288  $\pm$  0.254]

[12]

.44  $\pm$  .01 [11.176  $\pm$  0.254]

[C] 4

[6]

VIEW D-D (SHEET 1)  
SCALE 6/1

DWG NO 2507867 SH 4

 TEXAS INSTRUMENTS <small>2010s - Texas</small>	DWN	DATE	SIZE	DRAWING NO	REV
	ISSUE DATE		C	2507867	B
			SCALE	3/1	SHEET 4

4

3

2

1

A

A

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