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DWG NO 2516660 SH 1

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NOTES: UNLESS OTHERWISE SPECIFIED:

- 1 DIE PARALLELISM TOLERANCE APPLIES TO DMD ACTIVE ARRAY ONLY
- 2 ROTATION ANGLE OF DMD ACTIVE ARRAY IS A REFINEMENT OF THE LOCATION TOLERANCE AND HAS A MAXIMUM ALLOWED VALUE OF 0.8 DEGREES
- 3 SUBSTRATE SYMBOLIZATION PAD AND PLATING AT BOTTOM OF DATUMS B AND C HOLES ARE ELECTRICALLY CONNECTED TO VSS PLANE WITHIN THE SUBSTRATE BOUNDARY MIRRORS SURROUNDING THE DMD ACTIVE AREA
- 4 MAXIMUM ENCAPSULANT PROFILE SHOWN
- 5 ENCAPSULANT ALLOWED ON THE SURFACE OF THE CERAMIC IN THE AREA SHOWN IN VIEW B (SHEET 2). ENCAPSULANT SHALL NOT EXCEED 0.200 THICKNESS MAXIMUM.
- 6 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.
- 7

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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	ECO 2181188, INITIAL RELEASE	05/07/2019	F. ARMSTRONG

3 PLACES INDICATED

DATUM PLANE 'F'

SEE VIEW E (SHEET 3)  
FOR WINDOW AND ACTIVE  
ARRAY DIMENSIONS

DATUM PLANE 'E'

F - SHT. 4

32.200±0.250

24.371±0.150

(13.500)

2.014±0.150

(ø3.065)

4.108±0.150

(14.900)

28.916±0.150

35.000±0.250

INCIDENT LIGHT

SUBSTRATE

ENCAPSULANT

0.800 MAX

WINDOW

WINDOW APERTURE

1.100±0.050

1.803±0.077

1.050±0.080

ACTIVE ARRAY

3 PLACES  
INDICATED  
(SHEET 2)

3.810±0.240

(0.753)

350X 1.400±0.100

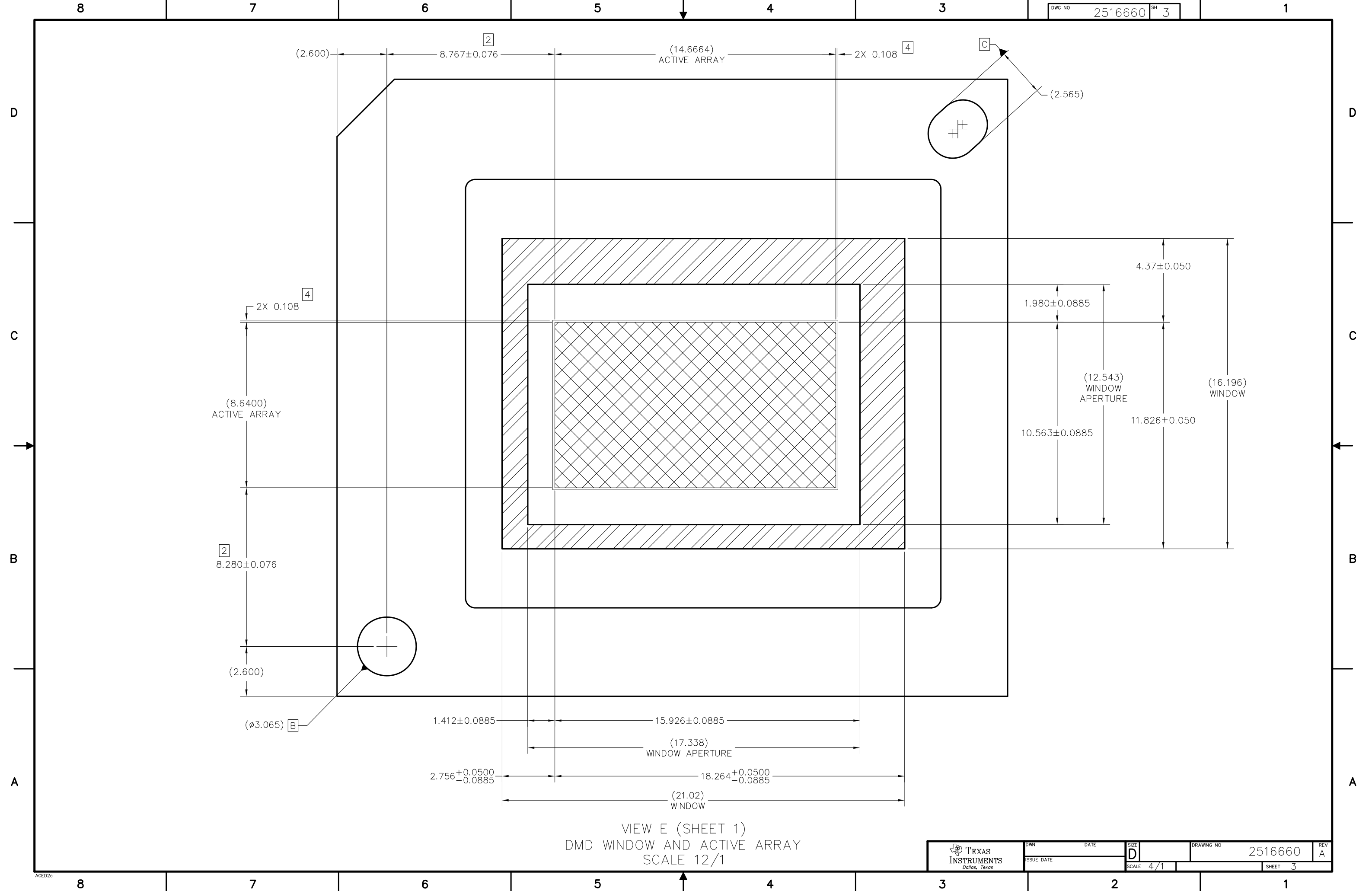
(ø0.305)

SECTION A-A  
SCALE 20/10.0254 A  
0.020 G

1

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
PARTS LIST				
DWN	F. ARMSTRONG	DATE	05/07/2019	
ENGR	F. ARMSTRONG	DATE	05/07/2019	
QA	P. KONRAD	DATE	05/14/2019	
CQE	M. DORAK	DATE	05/14/2019	
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 PROCESSES PARENTHEICAL INFO FOR REF ONLY		TEXAS INSTRUMENTS Dallas, Texas		
NONE		0314DA	ICD, MECHANICAL, DMD .67 HB MTRP 2XLVDS SERIES 610 (FYR PACKAGE)	
NEXT ASSY		USED ON	SIZE D	REV A
APPLICATION		SCALE 4/1	DRAWING NO 2516660	SHEET 1 OF 4





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DWG NO

2516660

SH

4

1

D

D

C

C

B

B

A

A

3 PLACES INDICATED

DATUM PLANE 'E'

 $10.000 \pm 0.250$  $11.100 \pm 0.250$ 

SEE DETAIL G

350X  $\phi 0.305^{+0.050}_{-0.025}$  PINS

$\phi$	$\phi 0.500$	D	E	F
$\phi$	$\phi 0.250$	D		

[3] SYMBOLIZATION PAD

 $(35.000)$  $25 \times 1.270 = 31.750$  $15.875$ 

DATUM PLANE 'F'

 $(1.625)$ (PINS A1, A2, A12, A13, A14,  
A15, A26, B1, AA1, AA12, AA13,  
AA14, AA15, AA26 OMITTED)

A

B

C

D

E

F

G

H

J

K

L

M

N

P

R

T

U

V

W

X

Y

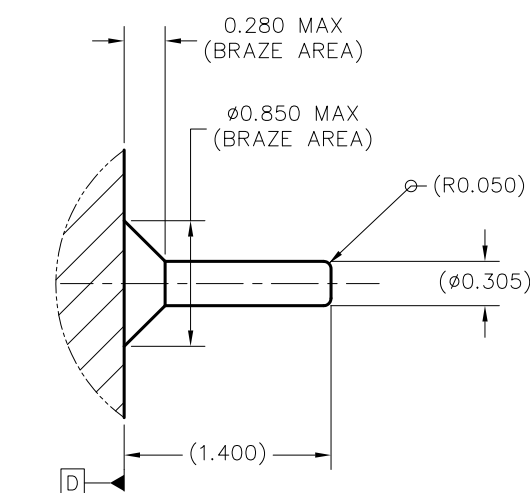
Z

AA

 $22 \times 1.270 = 27.940$  $13.970$  $(2.130)$  $(32.200)$ 

317

317

VIEW F-F (SHEET 1)  
PINS AND SYMBOLIZATION PAD  
SCALE 8/1DETAIL G (350 PLACES)  
PIN & BRAZE DIMENSIONS  
SCALE 40/1DWN DATE  
ISSUE DATESIZE  
D  
SCALE 4/1DRAWING NO  
2516660REV  
A

SHEET 4

8

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