

1

2

3

4

5

6

7

8

10091767 - X 0 C - X X X L F

6-COLUMN DIFFERENTIAL SIGNAL

LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

LETTER

PEFORMANCE-BASED PLATING (SEE NOTE 2)

TARGET APPLICATION

LEAD FREE (LF)

B

TELCORDIA CO

NO

C

TELCORDIA UE

NO

D

TELCORDIA CO

YES

E

TELCORDIA UE

YES

NUMBER

PIN STYLE, HEIGHT

0

STANDARD GUIDE PIN MACHINED, 31.6mm

4

STANDARD GUIDE PIN MACHINED, 25.7mm

MODULE DESCRIPTION

LETTER DESIGNATION REPRESENTED IN DASH NUMBER

BASE MODULE

LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 3)

J

A

B

C

D

E

F

G

H

RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 4)

Y

P

Q

R

S

T

U

V

W

OPEN MODULE (TWO WALL) (SEE SHEET 2)

O (ZERO)

LEFT WALL MODULE (SEE SHEET 5)

L

RIGHT WALL MODULE (SEE SHEET 6)

M

FOUR WALL MODULE (SEE SHEET 7)

1

TABLE 1: OPTIONAL PCB HOLE SIZE (SEE NOTE 11)

GROUND

UNGROUND

FINISHED

Ø2.35-2.55

Ø2.35-2.55

PAD

Ø5.50

N/A

PLATED

YES

NO

DRILL (mm/in)

2.58 / .1015

2.44 / .096

TABLE 2: OPTIONAL SCREW TYPE (SEE NOTE 10)

SCREW P/N

DESCRIPTION

BOARD THICKNESS

10091790-002LF

#2-56 X .375" PHILLIPS PANHEAD W/SQ CONICAL WASHER

1.60 - 5.00

10091790-003LF

#2-56 X .500" PHILLIPS PANHEAD W/SQ CONICAL WASHER

5.00 - 10.00

spec ref

SEE NOTES

tolerance std

TOLERANCES UNLESS OTHERWISE SPECIFIED

ASME Y14.5

surface

linear

0.X

±0.2

0.XX

±0.10

0.XXX

±0.050

ASME Y14.5

angular

0°

±°

dr

Jim Swain

2009/03/02

eng

Sandar Soe

2014/10/02

chr

-

appr

Chen-Hong Tan

2014/12/10

projection

MM

size

A2

scale

4:1

ecn no

ELX-S-18843-1

rel level

Released

product family

XCede

title

MODULE ASSEMBLY

VERTICAL HEADER, 6-COLUMN, 4-PAIR

cat. no.

SEE P/N TREE

Product - Customer Drw

sheet 1 of 8

FCI

www.fci.com

rev

E

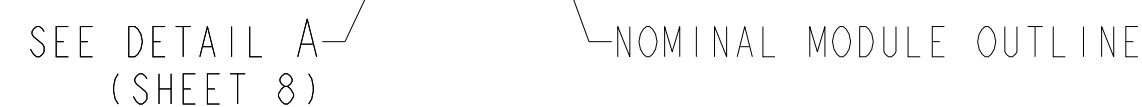
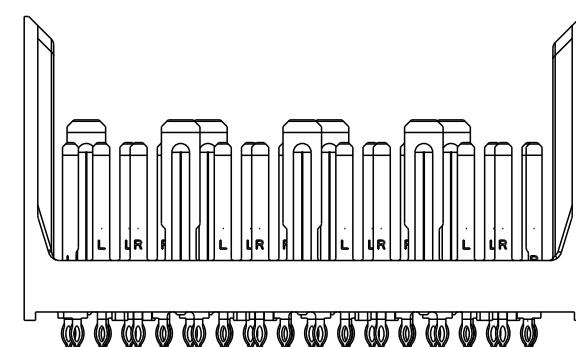
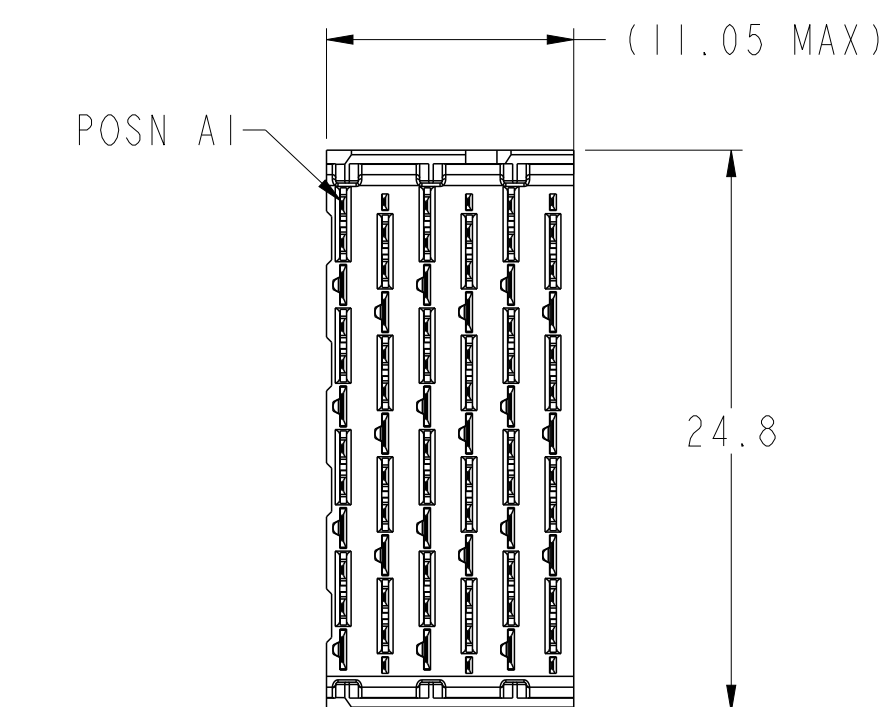
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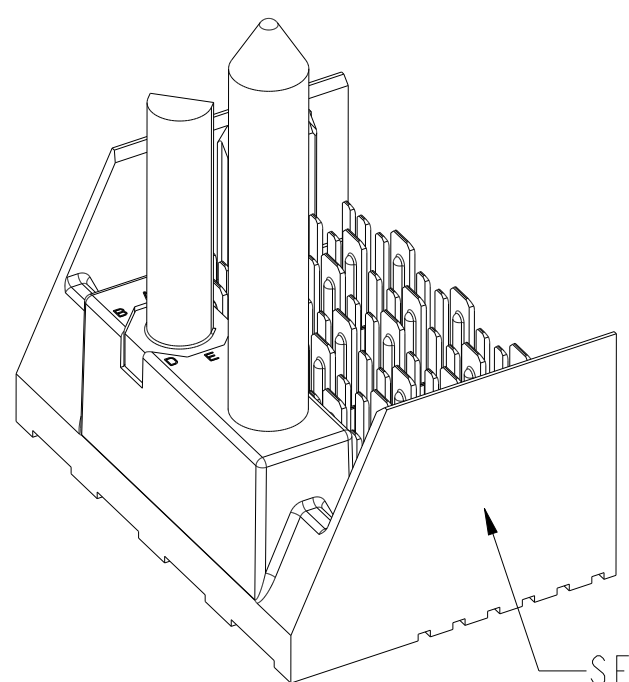
STATUS:Released

Printed: Dec 10, 2014

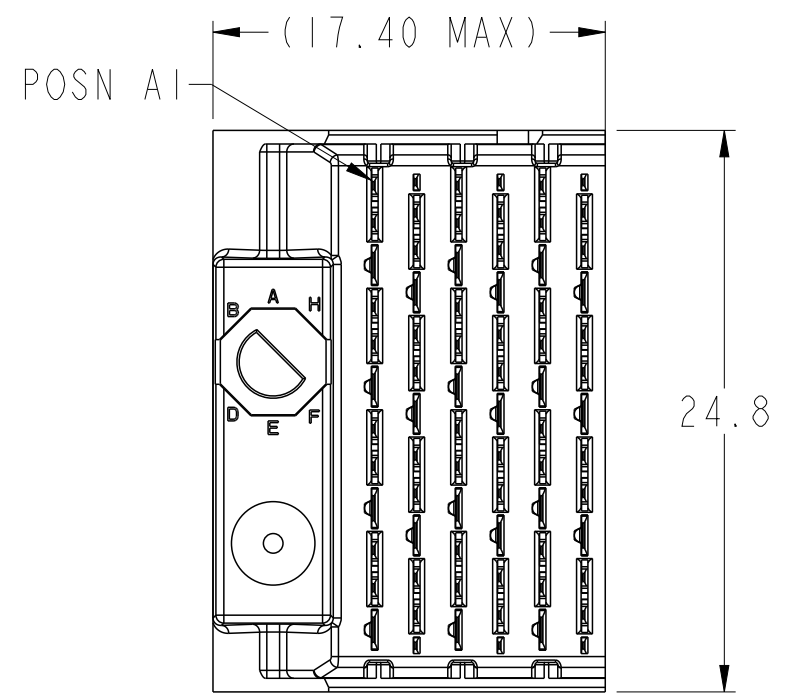


|               |  |                                                                                       |  |        |  |            |  |           |  |                                                                                       |  |                                                                                       |  |                 |  |                        |  |              |  |     |  |   |  |
|---------------|--|---------------------------------------------------------------------------------------|--|--------|--|------------|--|-----------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------|--|------------------------|--|--------------|--|-----|--|---|--|
| spec ref      |  | SEE NOTES                                                                             |  | dr     |  | Jim Swain  |  | 2009/0302 |  | projection                                                                            |  |  |  | size            |  | A2                     |  | scale        |  | 4:1 |  |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                 |  | eng    |  | Sandar Soe |  | 2014/1002 |  |  |  | ecn no                                                                                |  | ELX-S-18843-1   |  | Released               |  |              |  | rev |  | E |  |
| ASME Y14.5    |  |                                                                                       |  | chr    |  | -          |  | -         |  |                                                                                       |  | appr                                                                                  |  | Chen-Hong Tan   |  |                        |  |              |  |     |  |   |  |
| surface       |  |  |  | linear |  | 0.X        |  | ±0.2      |  |  |  | title                                                                                 |  | MODULE ASSEMBLY |  | dwg no                 |  | 10091767     |  |     |  |   |  |
|               |  |                                                                                       |  | 0.XX   |  | ±0.10      |  |           |  |                                                                                       |  |                                                                                       |  |                 |  |                        |  |              |  |     |  |   |  |
| ASME Y14.5    |  | angular                                                                               |  | 0.XXX  |  | ±0.050     |  |           |  |                                                                                       |  |                                                                                       |  |                 |  |                        |  |              |  |     |  |   |  |
|               |  |                                                                                       |  |        |  | ±          |  |           |  | www.fci.com                                                                           |  | cat. no.                                                                              |  | SEE P/N TREE    |  | Product - Customer Drw |  | sheet 2 of 8 |  |     |  |   |  |

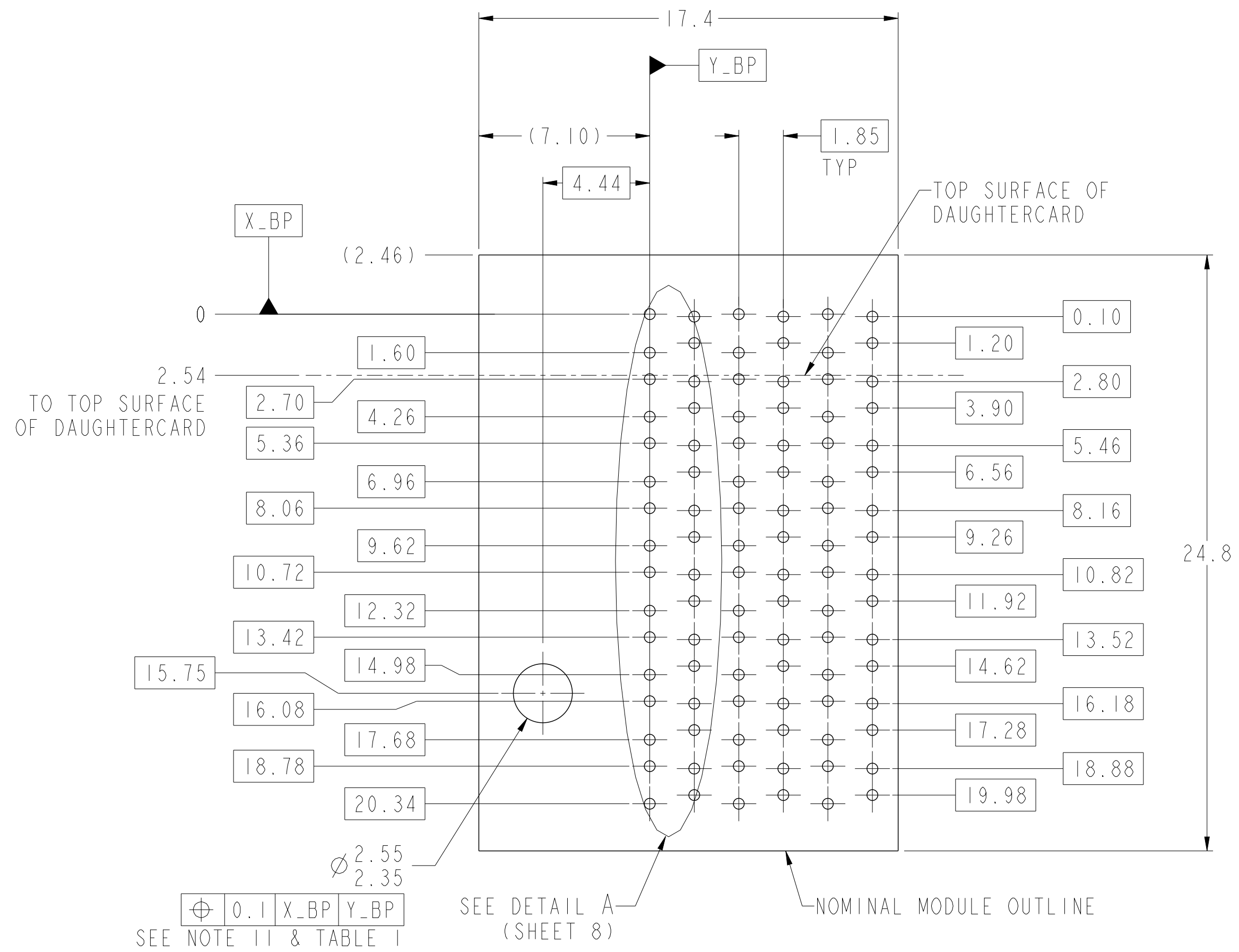
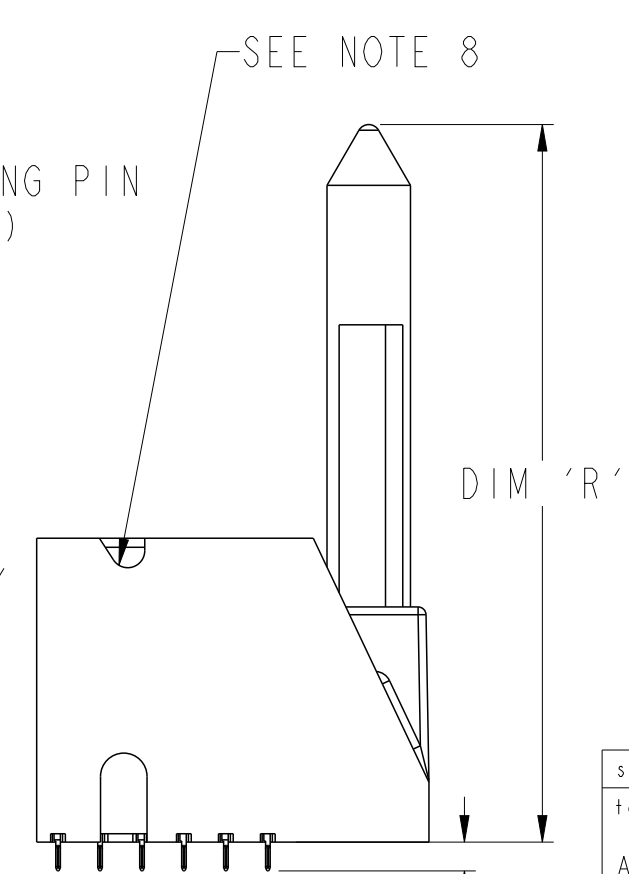
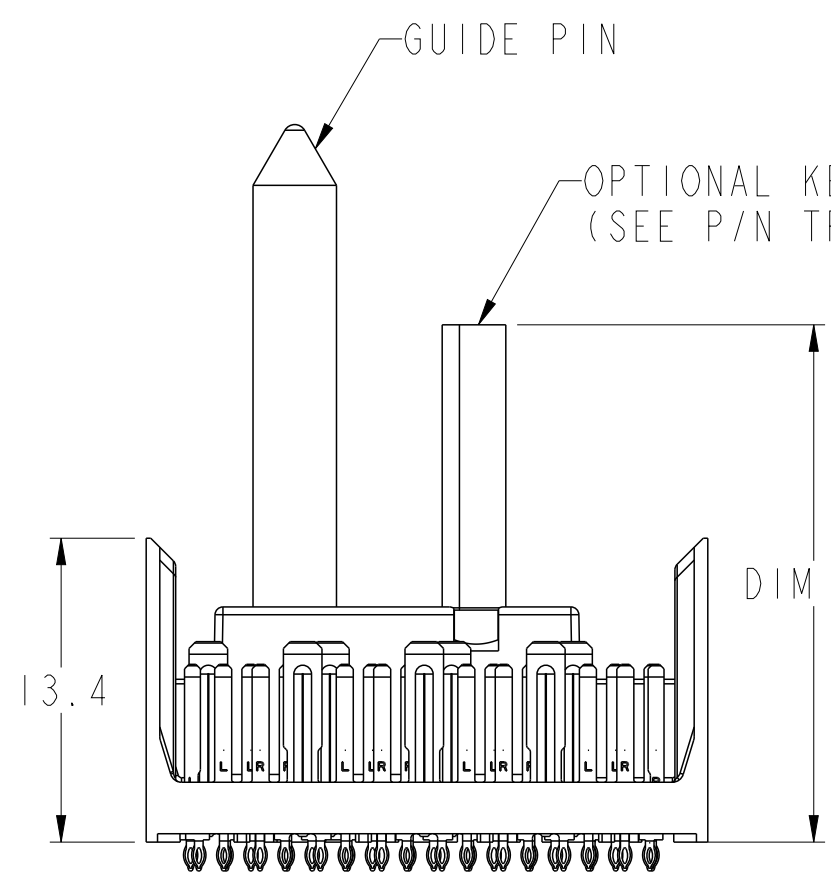
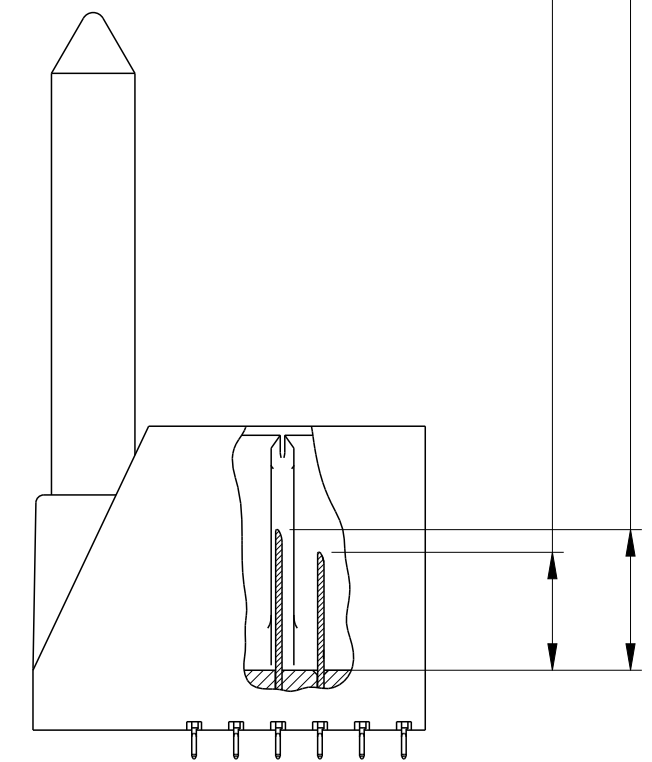
LEFT POLARIZING/GUIDE MODULE



SEE NOTE 5



- 6.2 (4MM WIPE WIDE GROUNDS)
- 5.2 (3MM WIPE WIDE GROUNDS)
- 5.2 (3MM SMALL END GROUNDS)
- 5.2 (3MM WIPE SIGNALS)
- 4.2 (2MM WIPE SIGNALS)
- SEE P/N TREE



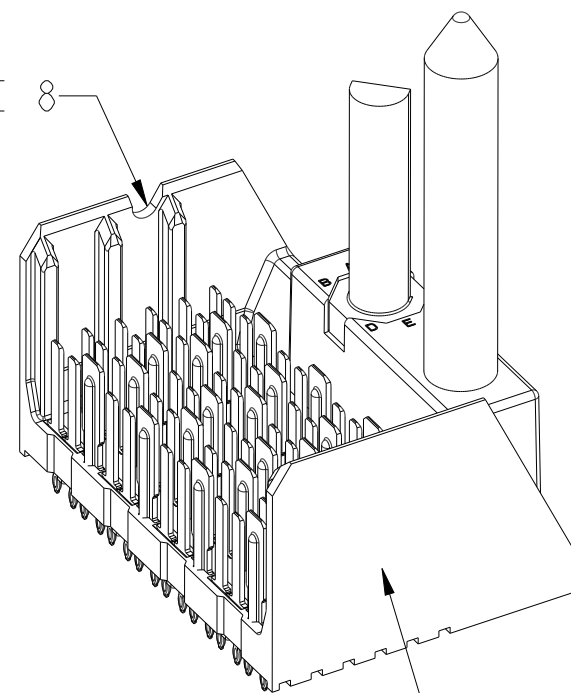
| ASSEMBLY<br>BASE CONFIGURATION<br>END DASH NO. | GUIDE PIN | POLARIZING KEY |
|------------------------------------------------|-----------|----------------|
|                                                | DIM 'R'   | DIM 'S'        |
| -X0X                                           | 31.6mm    | 22.8mm         |
| -X4X                                           | 25.7mm    | 20.0mm         |

|               |                                        |       |                 |            |                |                        |              |               |           |          |
|---------------|----------------------------------------|-------|-----------------|------------|----------------|------------------------|--------------|---------------|-----------|----------|
| spec ref      | SEE NOTES                              | dr    | Jim Swain       | 2009/03/02 | projection     | MM                     | size         | A2            | scale     | 4:1      |
| tolerance std | ASME Y14.5                             | eng   | Sandar Soe      | 2014/10/02 | chr            | -                      | ecn no       | ELX-S-18843-1 | rel level | Released |
| surface       | ✓                                      | appr  | Chen-Hong Tan   | 2014/12/10 | product family | XCede                  | dwg no       | 10091767      | rev       | E        |
| linear        | 0.X ±0.2<br>0.XX ±0.10<br>0.XXX ±0.050 | title | MODULE ASSEMBLY | cat. no.   | SEE P/N TREE   | Product - Customer Drw | sheet 3 of 8 |               |           |          |
| angular       | 0° ±°                                  |       |                 |            |                |                        |              |               |           |          |

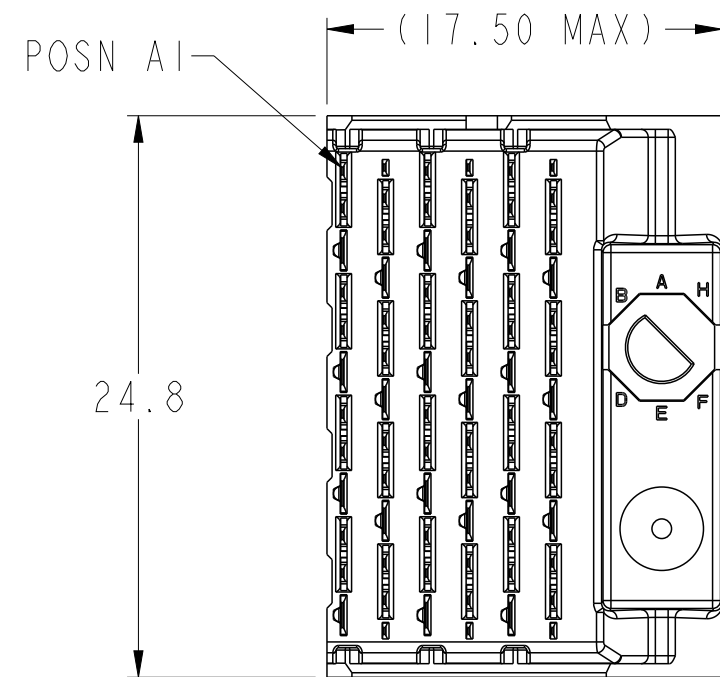
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# RIGHT POLARIZING/GUIDE MODULE

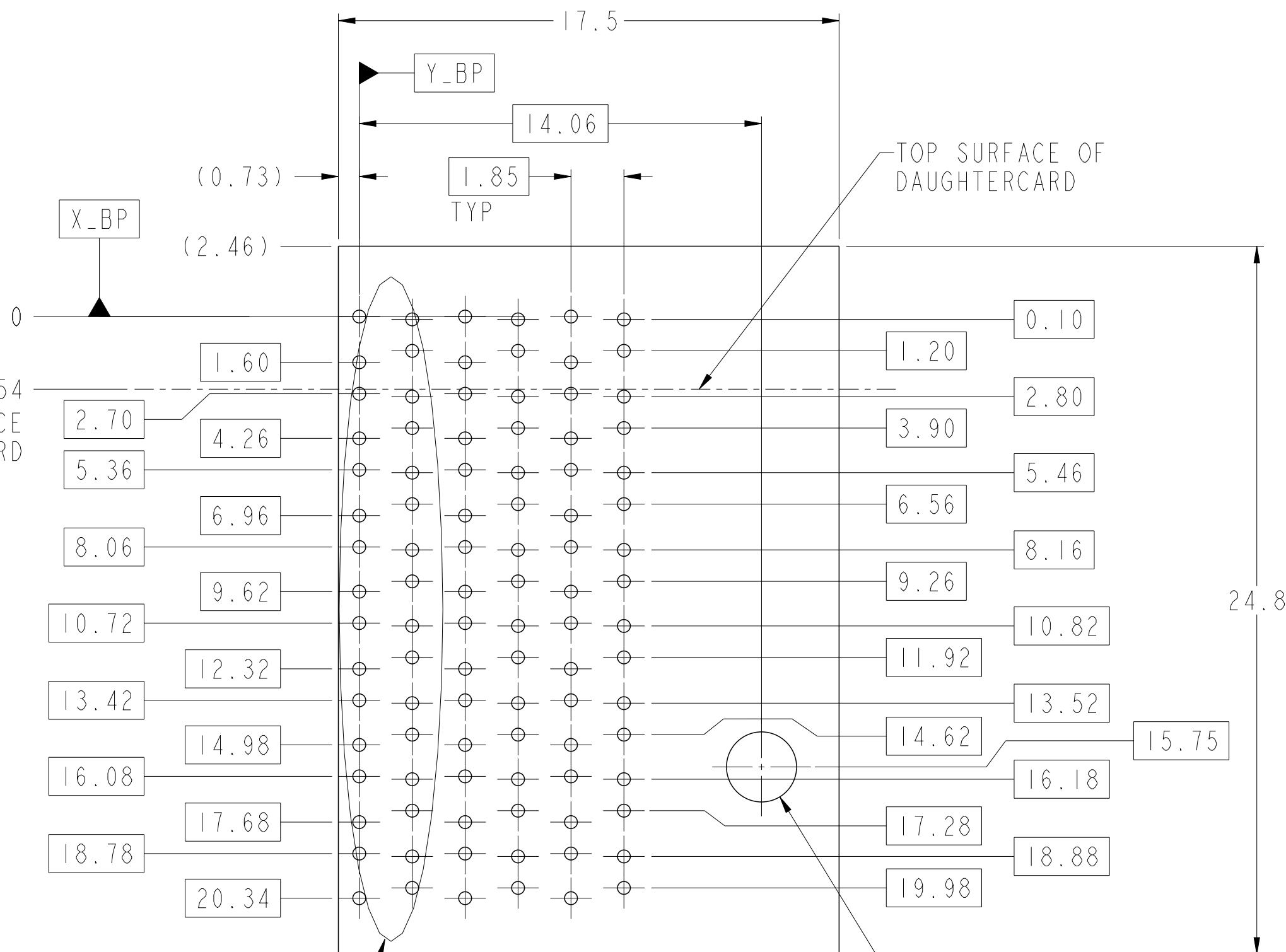
SEE NOTE 8



SEE NOTE 5



TO TOP SURFACE OF DAUGHTERCARD



SEE DETAIL A (SHEET 8)

NOMINAL MODULE OUTLINE

PCB HOLE PATTERN  
COMPONENT SIDE  
SCALE 6:1

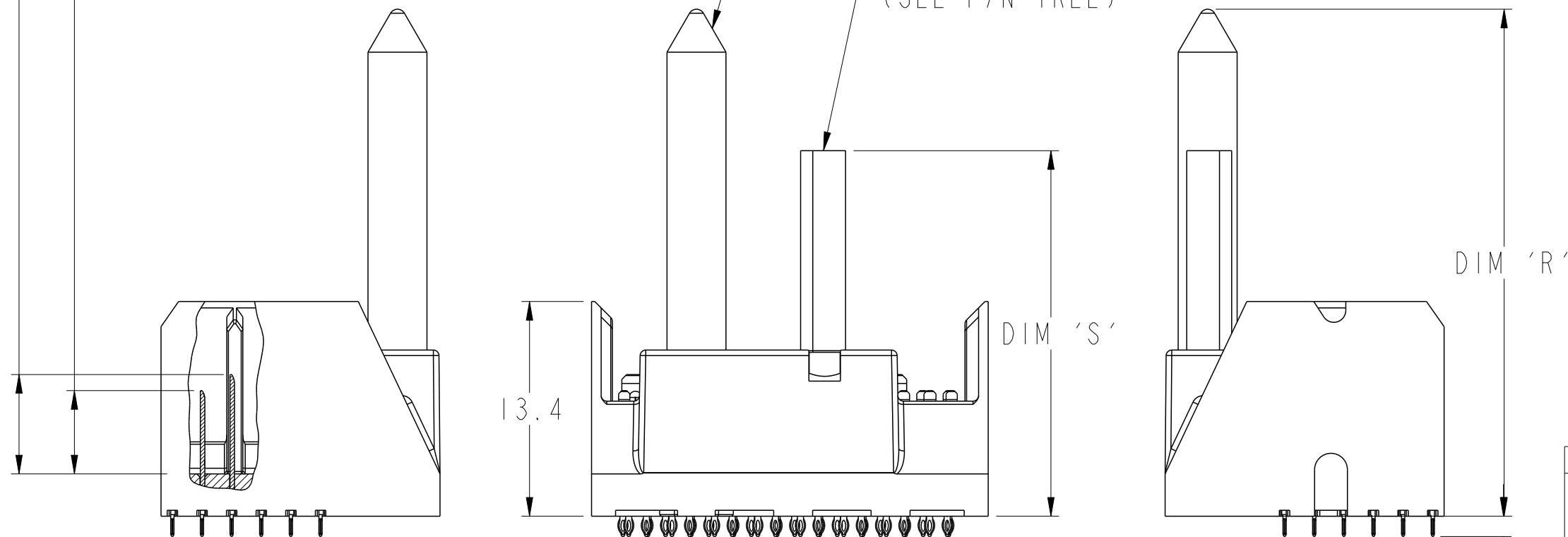
Ø 2.55  
2.35  
Ø 0.10 X\_BP Y\_BP  
SEE NOTE 11 & TABLE 1

6.2 (4MM WIPE WIDE GROUNDS)  
5.2 (3MM WIPE WIDE GROUNDS)

5.2 (3MM SMALL END GROUNDS)  
5.2 (3MM WIPE SIGNALS)  
4.2 (2MM WIPE SIGNALS)  
SEE P/N TREE

GUIDE PIN

OPTIONAL KEYING PIN  
(SEE P/N TREE)



TAIL LENGTH  
SEE NOTE 12

| ASSEMBLY<br>BASE CONFIGURATION<br>END DASH NO. | GUIDE PIN | POLARIZING KEY |
|------------------------------------------------|-----------|----------------|
|                                                | DIM 'R'   | DIM 'S'        |
| -X0X                                           | 31.6mm    | 22.8mm         |
| -X4X                                           | 25.7mm    | 20.0mm         |

|               |                                       |             |               |              |                        |              |           |               |           |          |
|---------------|---------------------------------------|-------------|---------------|--------------|------------------------|--------------|-----------|---------------|-----------|----------|
| spec ref      | SEE NOTES                             | dr          | Jim Swain     | 2009/03/02   | projection             | MM           | size      | A2            | scale     | 4:1      |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng         | Sandar Soe    | 2014/10/02   | chr                    | -            | ecn no    | ELX-S-18843-1 | rel level | Released |
| ASME Y14.5    |                                       | appr        | Chen-Hong Tan | 2014/12/10   | product family         | XCede        | rel level | Released      |           |          |
| surface       | linear                                | 0.X         | ±0.2          | 0.XX         | ±0.10                  | 0.XXX        | ±0.050    | angular       | 0°        | ±°       |
| ASME Y14.5    |                                       | www.fci.com | cat. no.      | SEE P/N TREE | Product - Customer Drw | sheet 4 of 8 | rev       | E             |           |          |

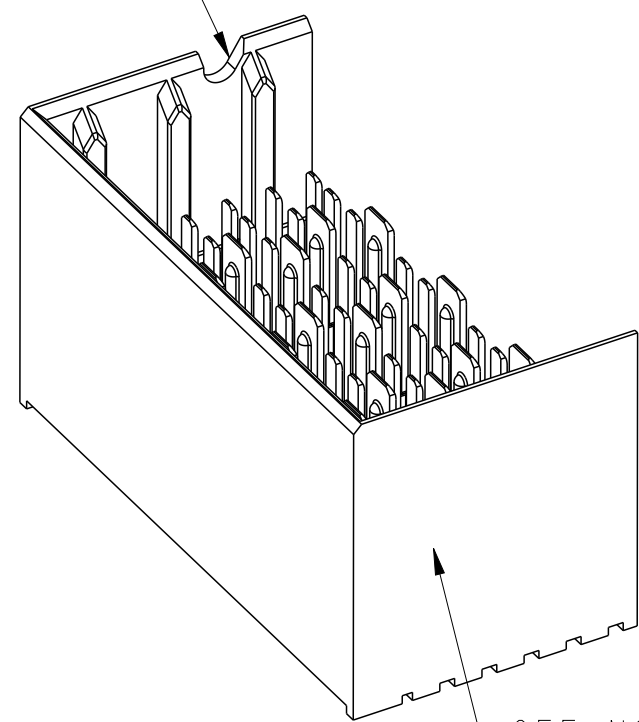
PDS: Rev :E

STATUS:Released

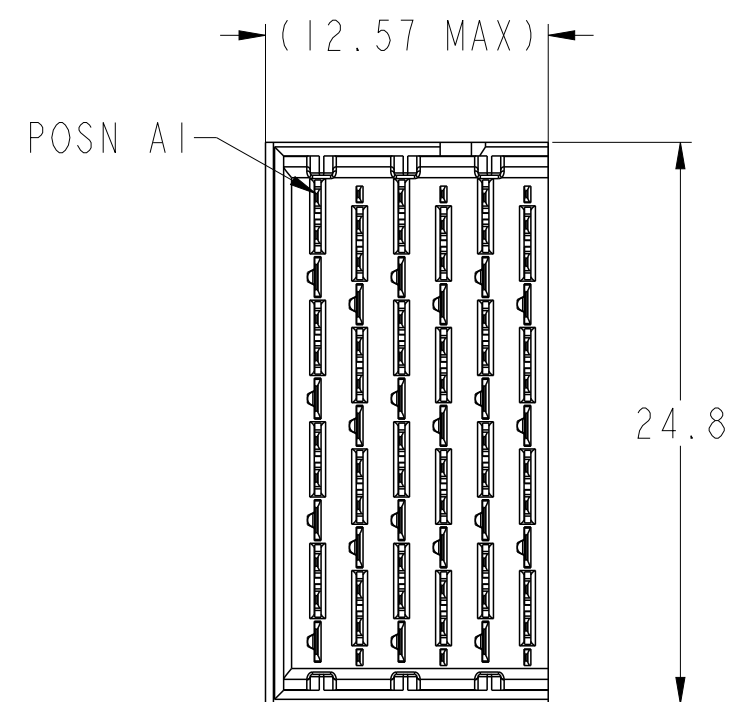
Printed: Dec 10, 2014

# LEFT WALL MODULE

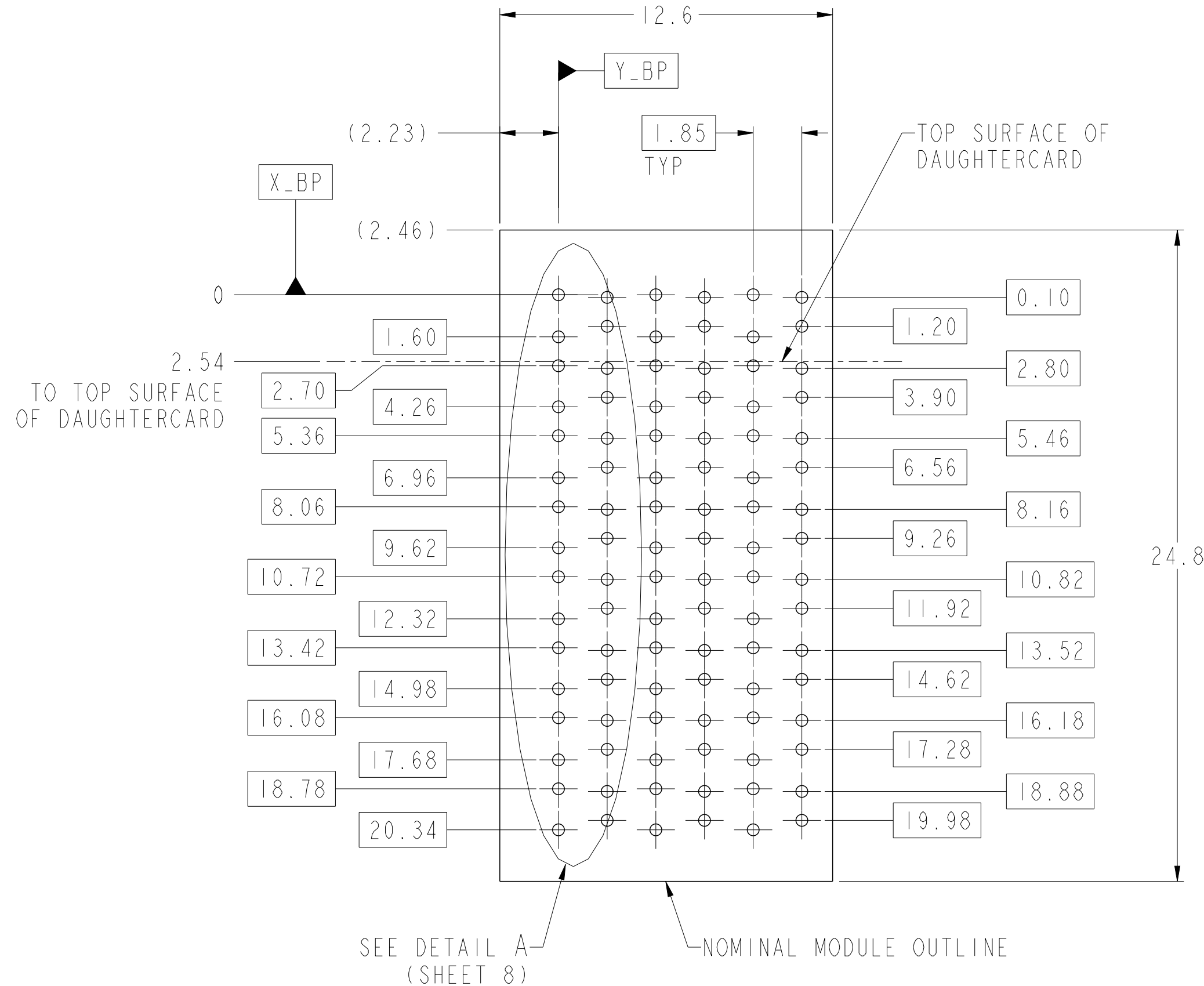
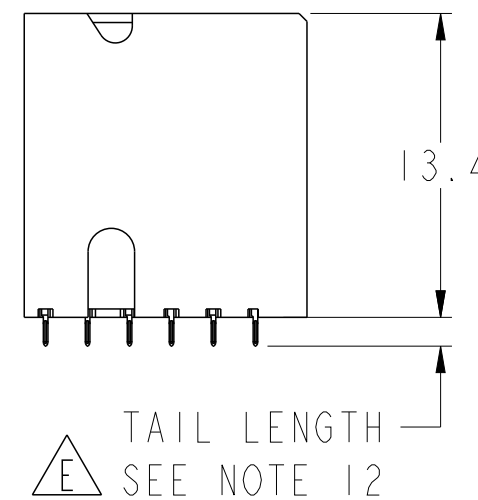
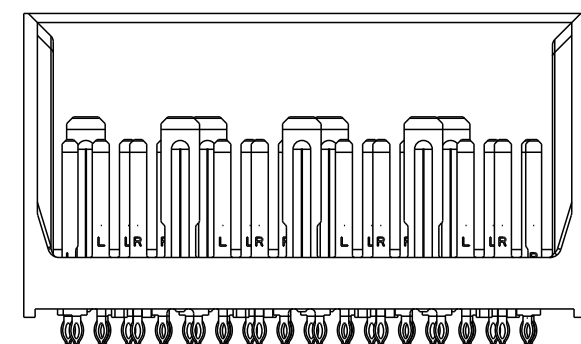
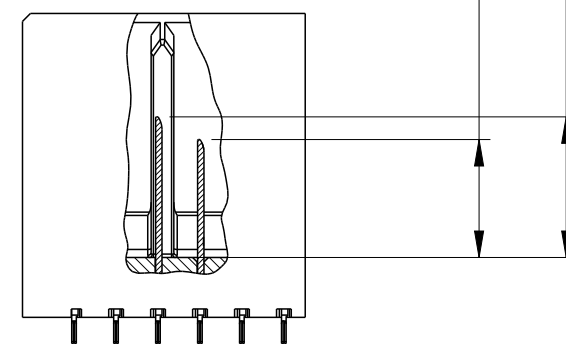
SEE NOTE 8



SEE NOTE 5



6.2 (4MM WIPE WIDE GROUNDS)  
5.2 (3MM WIPE WIDE GROUNDS)  
5.2 (3MM SMALL END GROUNDS)  
5.2 (3MM WIPE SIGNALS)  
4.2 (2MM WIPE SIGNALS)  
SEE P/N TREE



|               |                                       |             |               |              |                        |              |           |               |           |          |
|---------------|---------------------------------------|-------------|---------------|--------------|------------------------|--------------|-----------|---------------|-----------|----------|
| spec ref      | SEE NOTES                             | dr          | Jim Swain     | 2009/03/02   | projection             | MM           | size      | A2            | scale     | 4:1      |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng         | Sandar Soe    | 2014/10/02   | chr                    | -            | ecm no    | ELX-S-18843-1 | rel level | Released |
| ASME Y14.5    |                                       | appr        | Chen-Hong Tan | 2014/12/10   | product family         | XCede        | rel level | Released      | rev       | E        |
| surface       | linear                                | 0.X         | ±0.2          | 0.XX         | ±0.10                  | 0.XXX        | ±0.050    | angular       | 0°        | ±°       |
| ASME Y14.5    |                                       | www.fci.com | cat. no.      | SEE P/N TREE | Product - Customer Drw | sheet 5 of 8 |           |               |           |          |

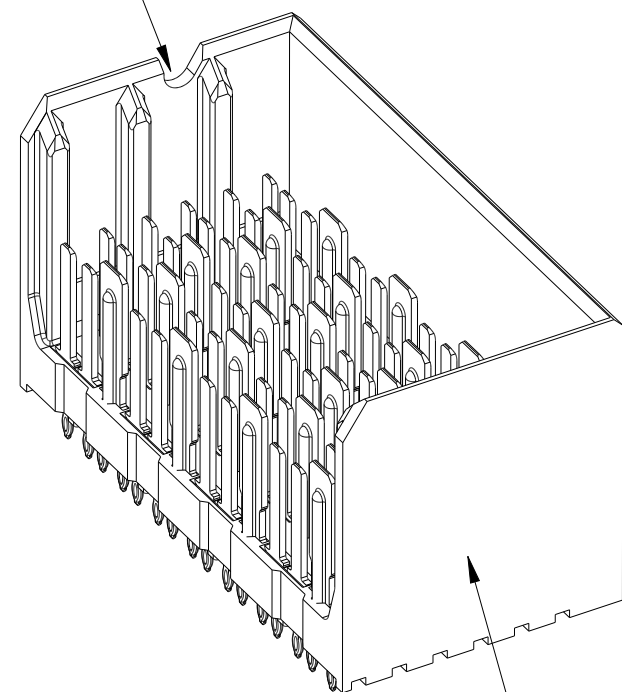
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STATUS:Released

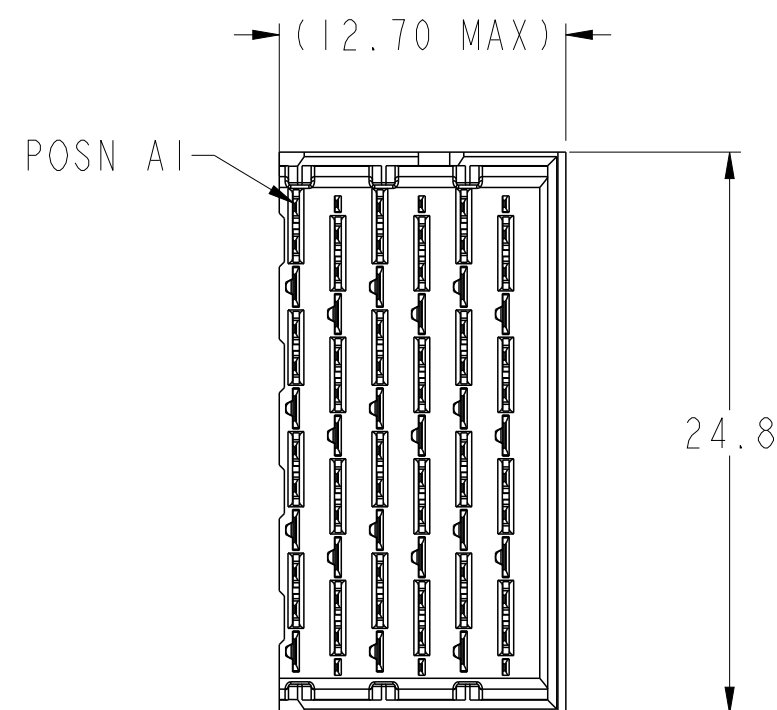
Printed: Dec 10, 2014

# RIGHT WALL MODULE

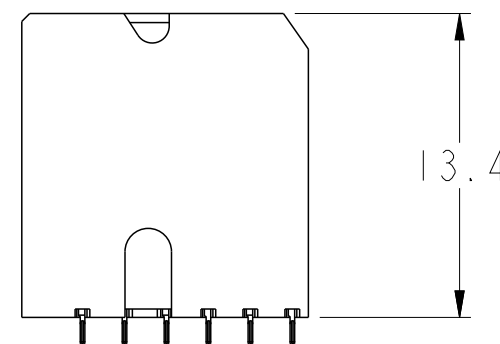
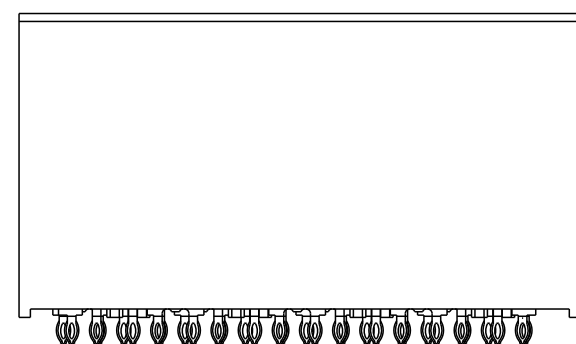
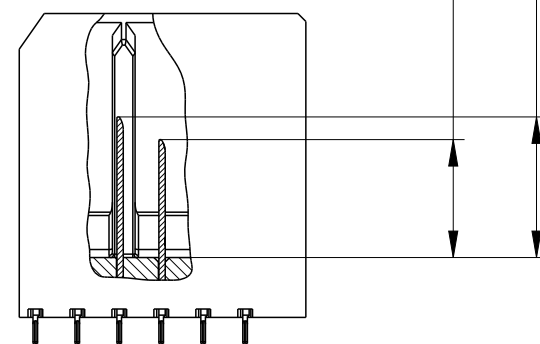
SEE NOTE 8



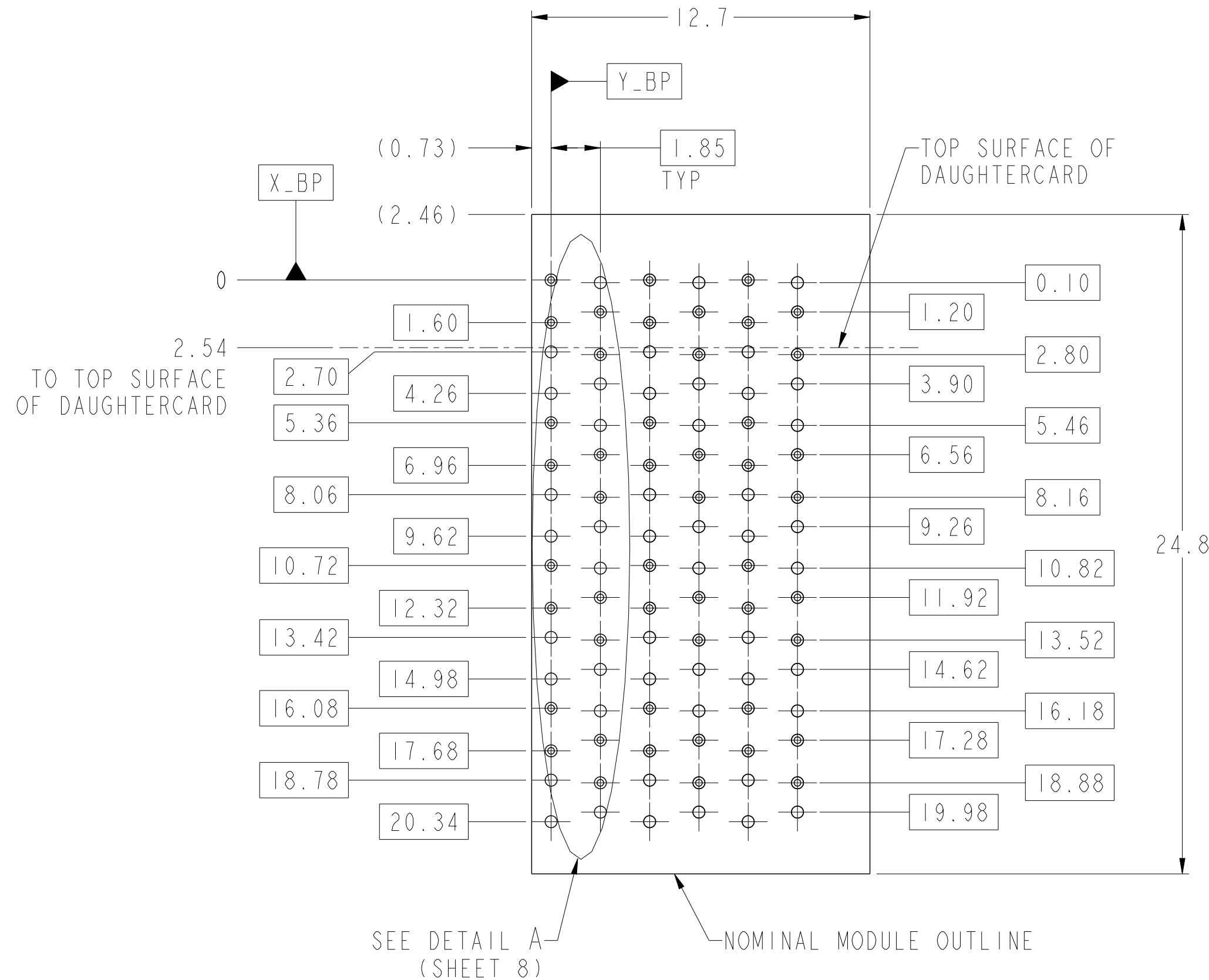
SEE NOTE 5



6.2 (4MM WIPE WIDE GROUNDS)  
5.2 (3MM WIPE WIDE GROUNDS)  
5.2 (3MM SMALL END GROUNDS)  
5.2 (3MM WIPE SIGNALS)  
4.2 (2MM WIPE SIGNALS)  
SEE P/N TREE



TAIL LENGTH  
SEE NOTE 12



PCB HOLE PATTERN  
COMPONENT SIDE  
SCALE 6:1

|               |                                       |             |               |              |                        |              |           |               |           |          |
|---------------|---------------------------------------|-------------|---------------|--------------|------------------------|--------------|-----------|---------------|-----------|----------|
| spec ref      | SEE NOTES                             | dr          | Jim Swain     | 2009/03/02   | projection             | MM           | size      | A2            | scale     | 4:1      |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng         | Sandar Soe    | 2014/10/02   | chr                    | -            | ecn no    | ELX-S-18843-1 | rel level | Released |
| ASME Y14.5    |                                       | appr        | Chen-Hong Tan | 2014/12/10   | product family         | XCede        | rel level | Released      | rev       | E        |
| surface       | linear                                | 0.X         | ±0.2          | 0.XX         | ±0.10                  | 0.XXX        | ±0.050    | angular       | 0°        | ±°       |
| ASME Y14.5    |                                       | www.fci.com | cat. no.      | SEE P/N TREE | Product - Customer Drw | sheet 6 of 8 | rev       | E             |           |          |

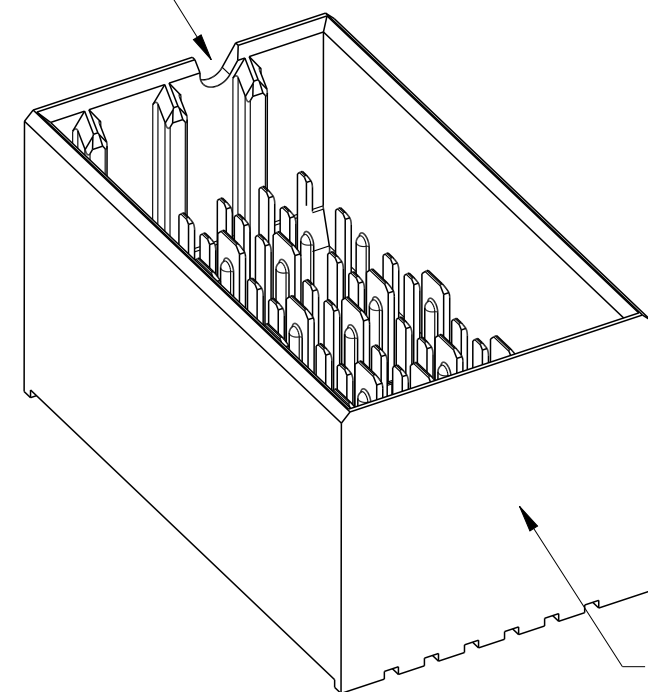
PDS: Rev :E

STATUS:Released

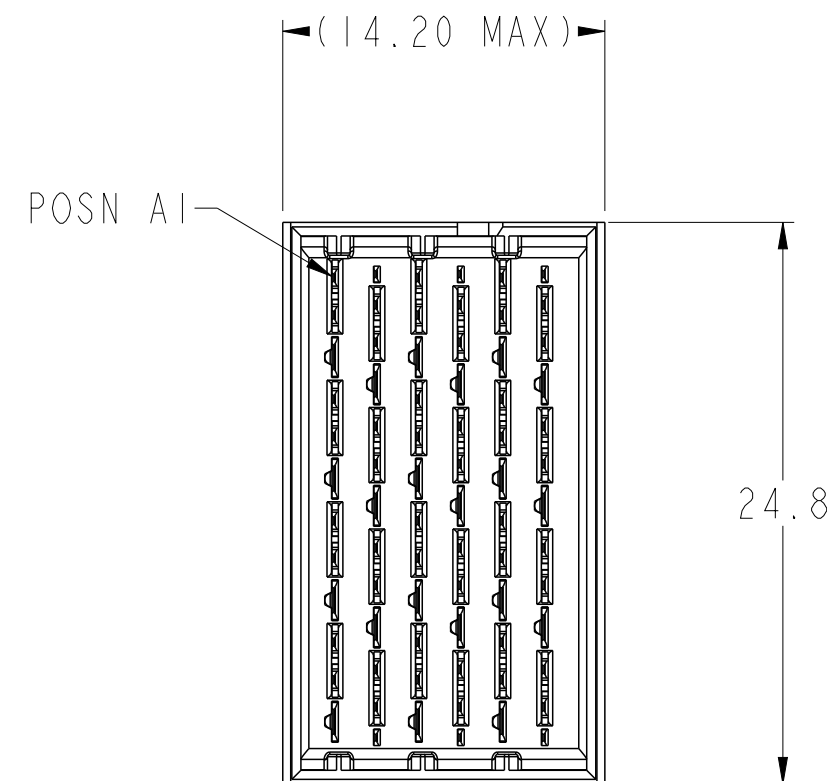
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# 4-WALL MODULE

SEE NOTE 8

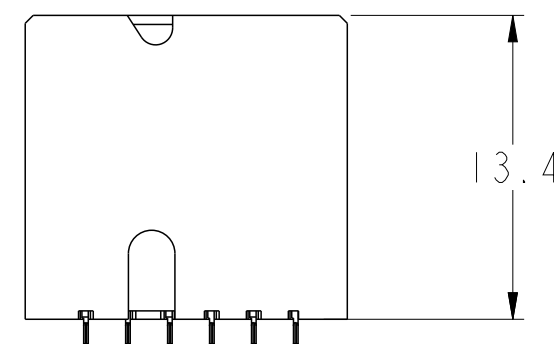
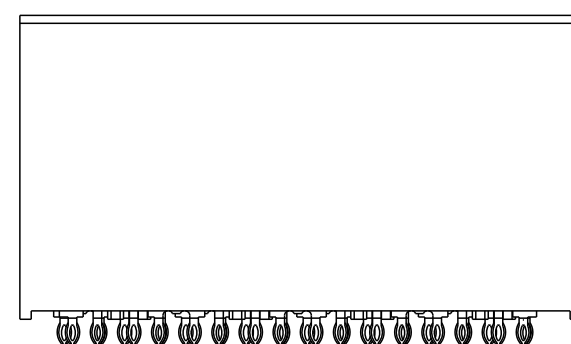
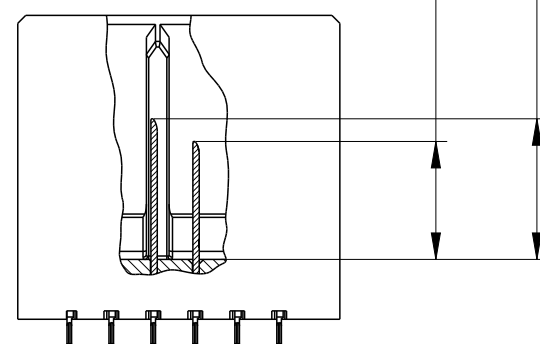


SEE NOTE 5

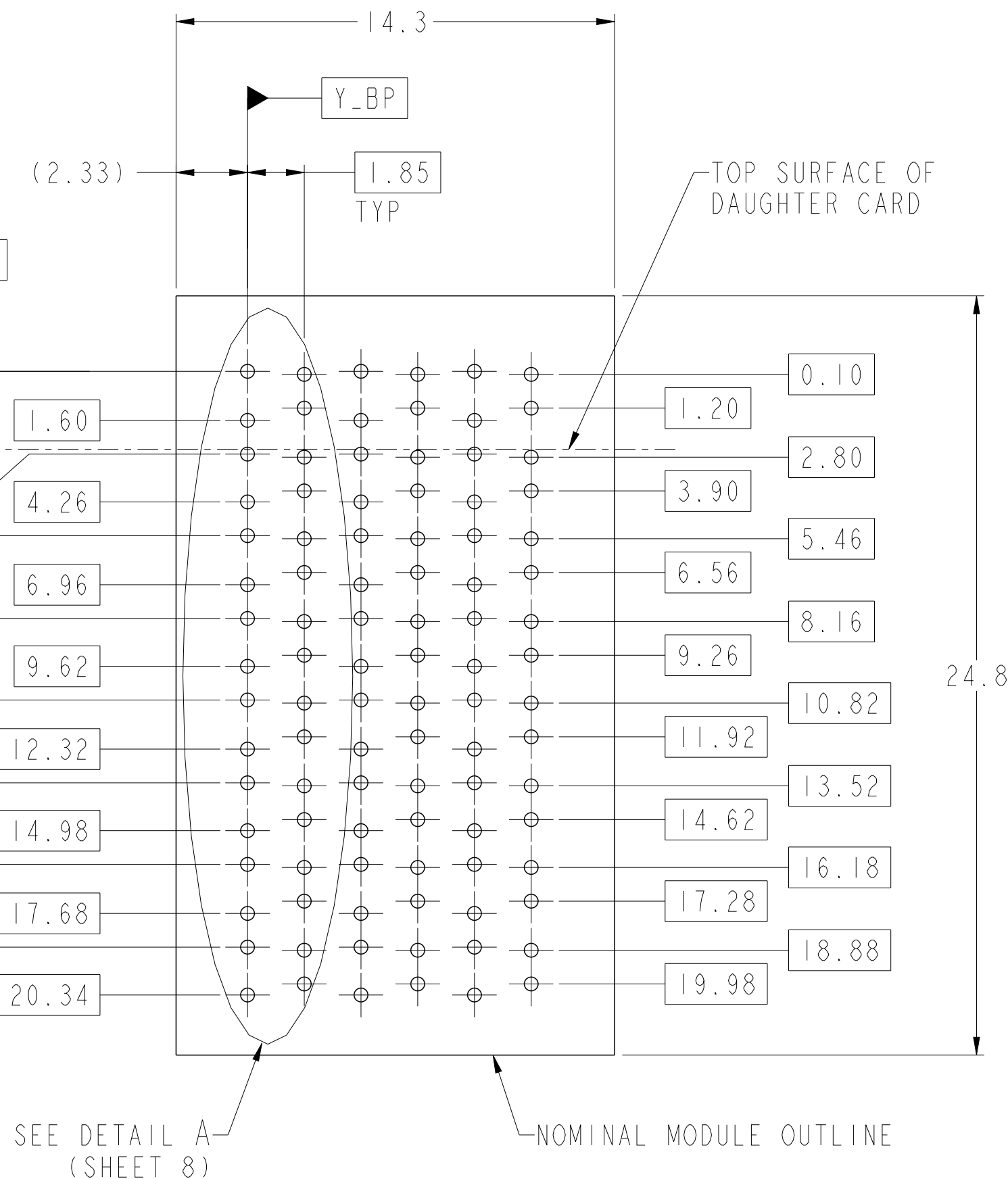


6.2 (4MM WIPE WIDE GROUNDS)  
5.2 (3MM WIPE WIDE GROUNDS)

5.2 (3MM SMALL END GROUNDS)  
5.2 (3MM WIPE SIGNALS)  
4.2 (2MM WIPE SIGNALS)  
SEE P/N TREE



TAIL LENGTH  
SEE NOTE 12



PCB HOLE PATTERN  
COMPONENT SIDE  
SCALE 6:1

|               |                                       |             |               |              |                        |              |           |               |           |          |
|---------------|---------------------------------------|-------------|---------------|--------------|------------------------|--------------|-----------|---------------|-----------|----------|
| spec ref      | SEE NOTES                             | dr          | Jim Swain     | 2009/03/02   | projection             | MM           | size      | A2            | scale     | 3:1      |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng         | Sandar Soe    | 2014/10/02   | chr                    | -            | ecn no    | ELX-S-18843-1 | rel level | Released |
| ASME Y14.5    |                                       | appr        | Chen-Hong Tan | 2014/12/10   | product family         | XCede        | rel level | Released      | rev       | E        |
| surface       | linear                                | 0.X         | ±0.2          | 0.XX         | ±0.10                  | 0.XXX        | ±0.050    | angular       | 0°        | ±°       |
| ASME Y14.5    |                                       | www.fci.com | cat. no.      | SEE P/N TREE | Product - Customer Drw | sheet 7 of 8 |           |               |           |          |

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STATUS:Released

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