

A  
B  
C  
D  
E  
F

1 0 1 1 5 0 9 1 - X 0 E - X X X L F

8-COLUMN  
DIFFERENTIAL  
SIGNAL

LEAD-FREE DESIGNATION  
ONLY WITH APPLICABLE  
PLATING CODES

| LETTER | PLATING (SEE NOTE 6) |                               |
|--------|----------------------|-------------------------------|
|        | APPLICATION          | TYPE (REFERENCE)              |
| B      | TELCORDIA CO         | 0.76um GOLD or GXT            |
| C      | TELCORDIA UE         | 1.27um GOLD                   |
| D      | TELCORDIA CO         | 0.76um GOLD or GXT, LEAD-FREE |
| E      | TELCORDIA UE         | 1.27um GOLD, LEAD-FREE        |

| NUMBER | GUIDE PIN STYLE (SEE NOTE 8) |
|--------|------------------------------|
| 0      | STANDARD GUIDE PIN, MACHINED |
| 1      | STANDARD GUIDE PIN, ROLLED   |

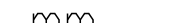
| MODULE DESCRIPTION                             | LETTER DESIGNATION REPRESENTED IN DASH NUMBER |   |   |   |   |   |   |   |   |   | BASE MODULE |
|------------------------------------------------|-----------------------------------------------|---|---|---|---|---|---|---|---|---|-------------|
| LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 6)  | N                                             | J | A | B | C | D | E | F | G | H |             |
|                                                | NO KEY NO GUIDE PIN                           |   |   |   |   |   |   |   |   |   |             |
| RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 7) | Z                                             | Y | P | Q | R | S | T | U | V | W |             |
|                                                | NO KEY NO GUIDE PIN                           |   |   |   |   |   |   |   |   |   |             |
| OPEN MODULE (TWO WALL) (SEE SHEET 2)           | 0 (ZERO)                                      |   |   |   |   |   |   |   |   |   |             |
| LEFT WALL MODULE (SEE SHEET 3)                 | L                                             |   |   |   |   |   |   |   |   |   |             |
| RIGHT WALL MODULE (SEE SHEET 4)                | M                                             |   |   |   |   |   |   |   |   |   |             |
| FOUR WALL MODULE (SEE SHEET 5)                 | 1 (ONE)                                       |   |   |   |   |   |   |   |   |   |             |

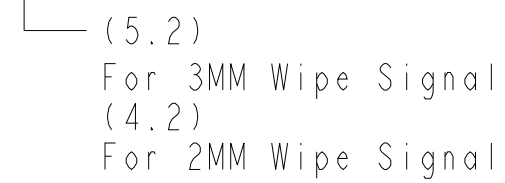
| NUMBER                                                                                                                                                                                                                 | CONTACT MATING WIPE LENGTH |        | COMPLIANT TAIL TYPE (SEE NOTE 9) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------|----------------------------------|
|                                                                                                                                                                                                                        | SIGNAL                     | GROUND |                                  |
| 1                                                                                                                                                                                                                      | 2 MM                       | 4 MM   | 0.55 (0.0217") DRILL             |
| 2                                                                                                                                                                                                                      | 3 MM                       | 4 MM   | 0.55 (0.0217") DRILL             |
| 3                                                                                                                                                                                                                      | 2 MM                       | 4 MM   | 0.45 MICRO (0.0177") DRILL       |
| 4                                                                                                                                                                                                                      | 3 MM                       | 4 MM   | 0.45 MICRO (0.0177") DRILL       |
| 5                                                                                                                                                                                                                      | 2 MM                       | 3 MM   | 0.55 (0.0217") DRILL             |
| 6                                                                                                                                                                                                                      | 3 MM                       | 3 MM   | 0.55 (0.0217") DRILL             |
| 7                                                                                                                                                                                                                      | 2 MM                       | 3 MM   | 0.45 MICRO (0.0177") DRILL       |
| 8                                                                                                                                                                                                                      | 3 MM                       | 3 MM   | 0.45 MICRO (0.0177") DRILL       |
| FOR CUSTOM-LOADED MODULES, SEE INDIVIDUAL CUSTOM DRAWINGS WITH THE DRAWING-NUMBER FORMAT OF 10115091-XXXX, WHERE: "X" DENOTES MODULE TYPE PER CHART ON THIS SHEET "YYYY" IS A SEQUENTIAL NUMBER BEGINNING WITH "0001". |                            |        |                                  |

| TABLE 1 (SEE NOTE 11) |             |             |
|-----------------------|-------------|-------------|
|                       | UNGROUNDED  | GROUNDED    |
| FHS                   | Ø2.35-Ø2.55 | Ø2.35-Ø2.55 |
| PAD                   | N/A         | Ø5.50       |
| PLATED                | NO          | YES         |
| DRILL(mm)             | 2.44mm      | 2.58mm      |
| DRILL(in)             | 0.096"      | 0.1015"     |

| TABLE 2 (SEE NOTE 12) |                                                        |                 |
|-----------------------|--------------------------------------------------------|-----------------|
| SCREW P/N             | DESCRIPTION                                            | BOARD THICKNESS |
| 10091790-002LF        | #2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER | 1.60-5.00mm     |
| 10091790-003LF        | #2-56 X 0.375" LG. PHILIPS PANHEAD W/SQ CONICAL WASHER | 5.00-10.00mm    |

|                                                                                               |                                       |         |       |
|-----------------------------------------------------------------------------------------------|---------------------------------------|---------|-------|
| spec ref                                                                                      | -                                     |         |       |
| tolerance std                                                                                 | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       |
| ISO 406                                                                                       |                                       |         |       |
| ISO 1101                                                                                      |                                       |         |       |
| surface  | linear                                | 0.X     | ±0.3  |
|                                                                                               |                                       | 0.XX    | ±0.10 |
|                                                                                               |                                       | 0.XXX   | ±0.05 |
|                                                                                               | ISO 1302                              | angular | 0°    |

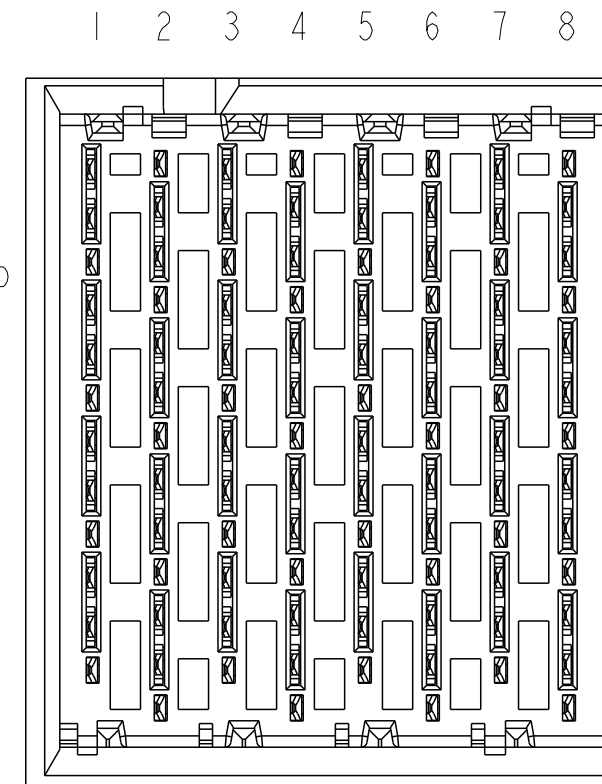
|                     |               |                                  |                                                                                       |                                                                                       |                           |               |          |              |
|---------------------|---------------|----------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|---------------|----------|--------------|
| dr                  | Collins Lu    | 2011/07/27                       |  |  | size                      | A2            | scale    | 1:1          |
| eng                 | Sandar Soe    | 2016/03/07                       |                                                                                       |                                                                                       | ecn no                    | ELX-S-17624-1 |          |              |
| chr                 | -             | -                                |                                                                                       |                                                                                       |                           | rel level     |          |              |
| appr                | Chen-Hong Tan | 2016/03/17                       | product family                                                                        |                                                                                       | -                         | Released      |          |              |
| <b>Amphenol FCI</b> |               | title                            |                                                                                       |                                                                                       | MODULE ASSEMBLY, XCEDE HD |               | cat. no. | 10115091     |
|                     |               | Veritcal Header, 4 Pair 8 Column |                                                                                       |                                                                                       |                           |               |          |              |
| www.fci.com         |               | cat. no.                         |                                                                                       | -                                                                                     | Product - Customer Drw    |               |          | sheet 1 of 8 |
|                     |               |                                  |                                                                                       |                                                                                       |                           |               | rev      |              |
|                     |               |                                  |                                                                                       |                                                                                       |                           |               | E        |              |



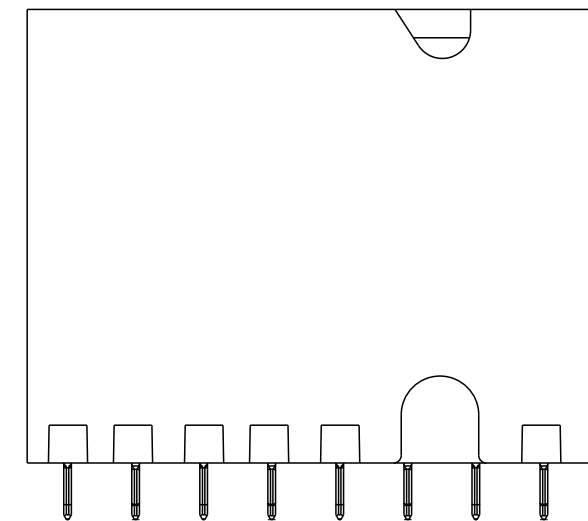
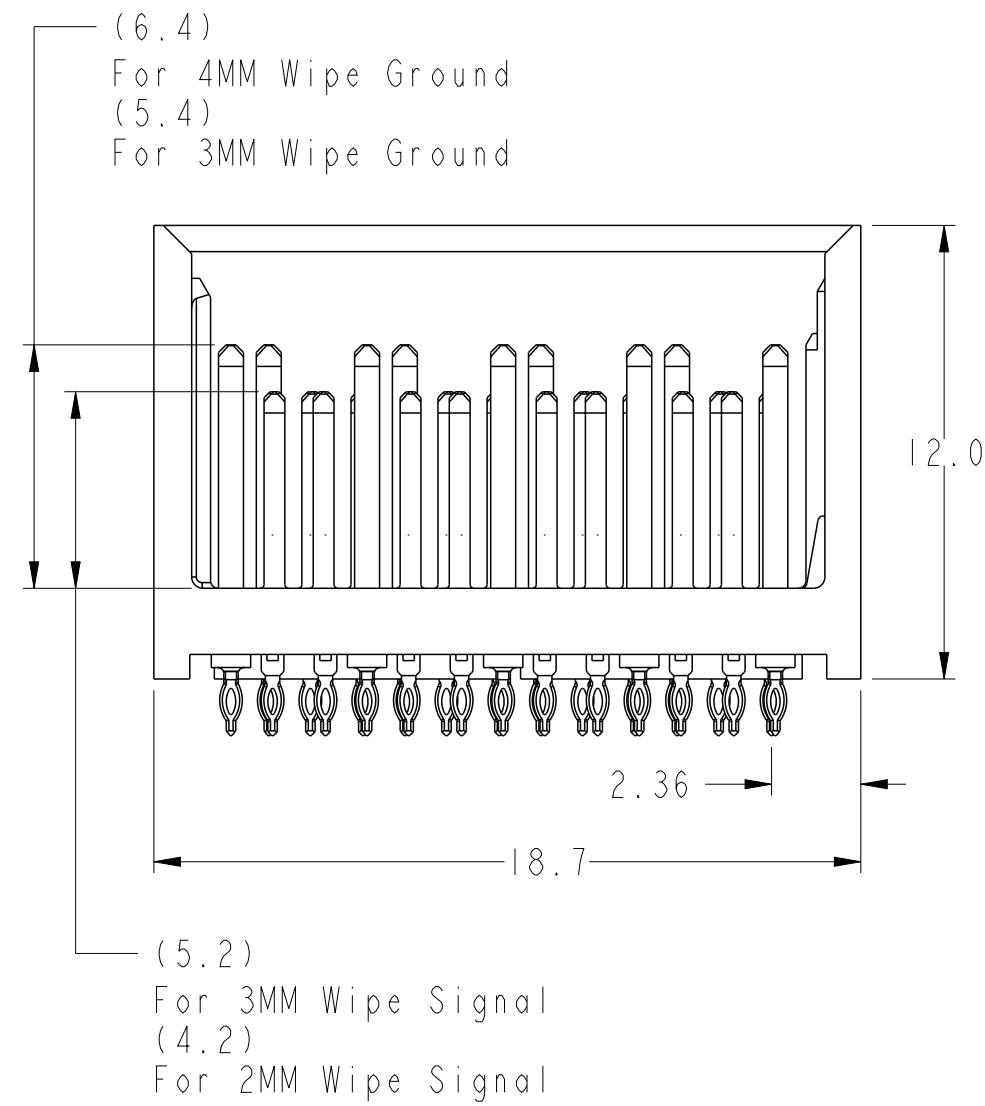
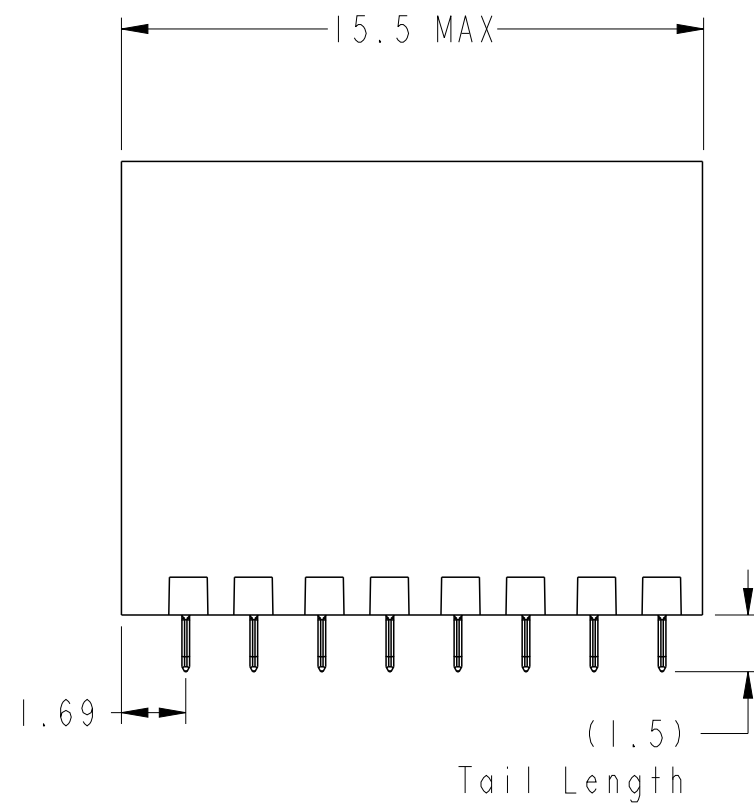
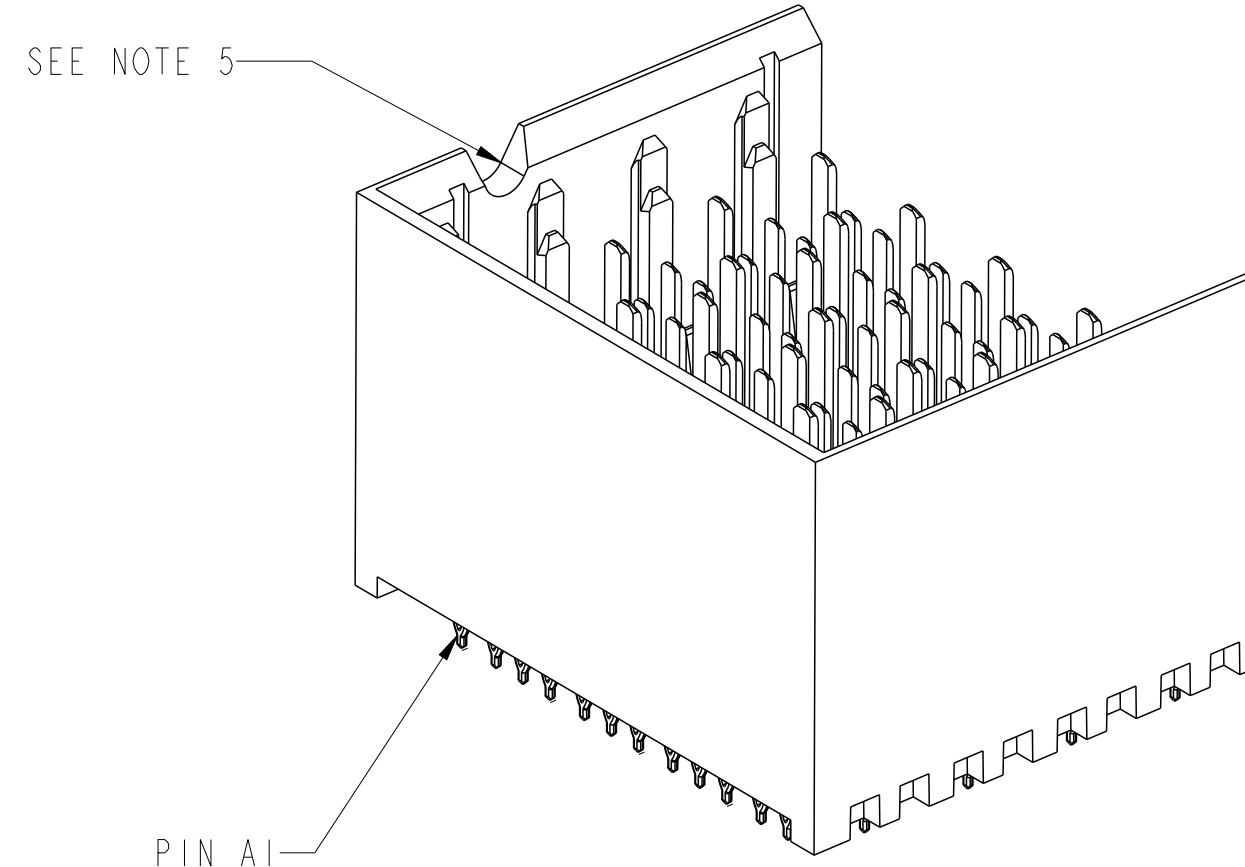
PDS: Rev :E

**STATUS: Released**

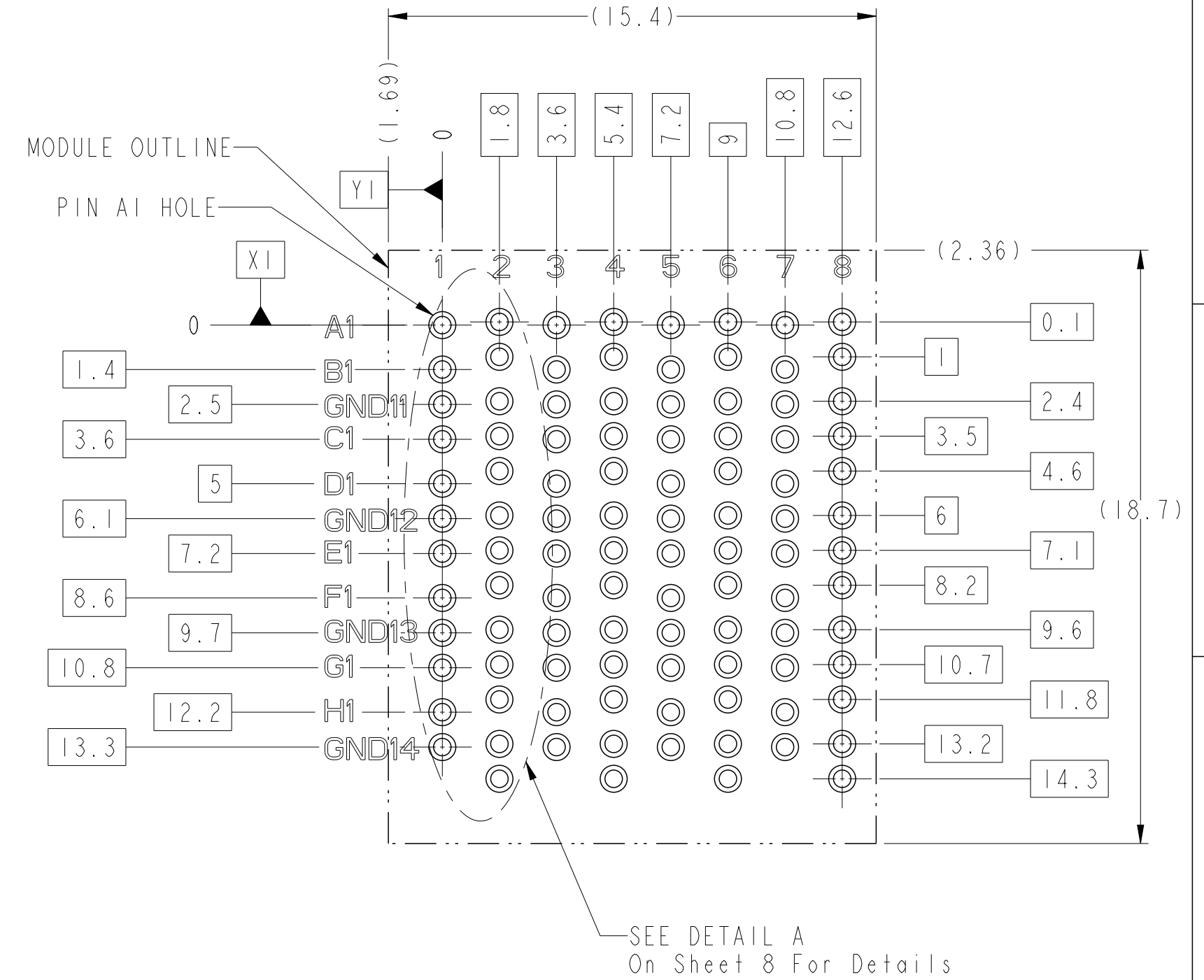
Printed: Mar 17, 2016



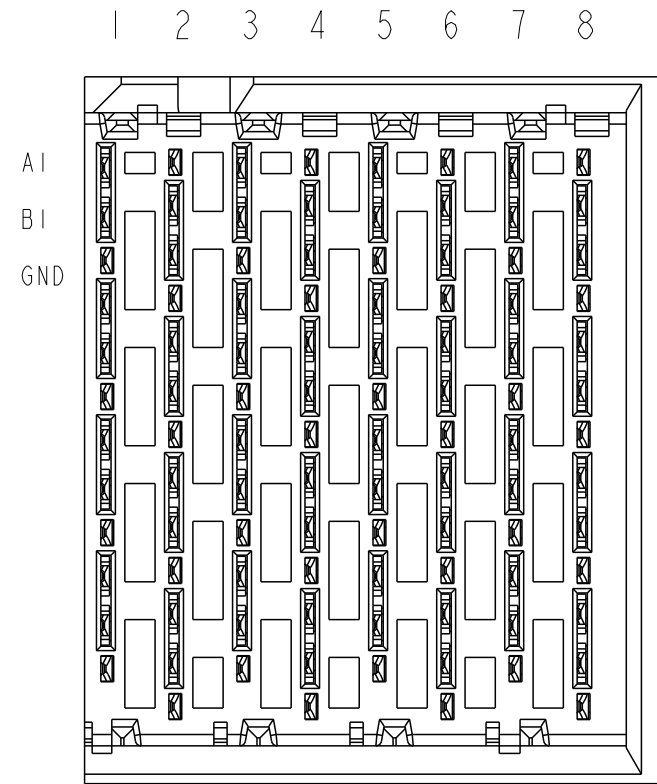
LEFT WALL MODULE



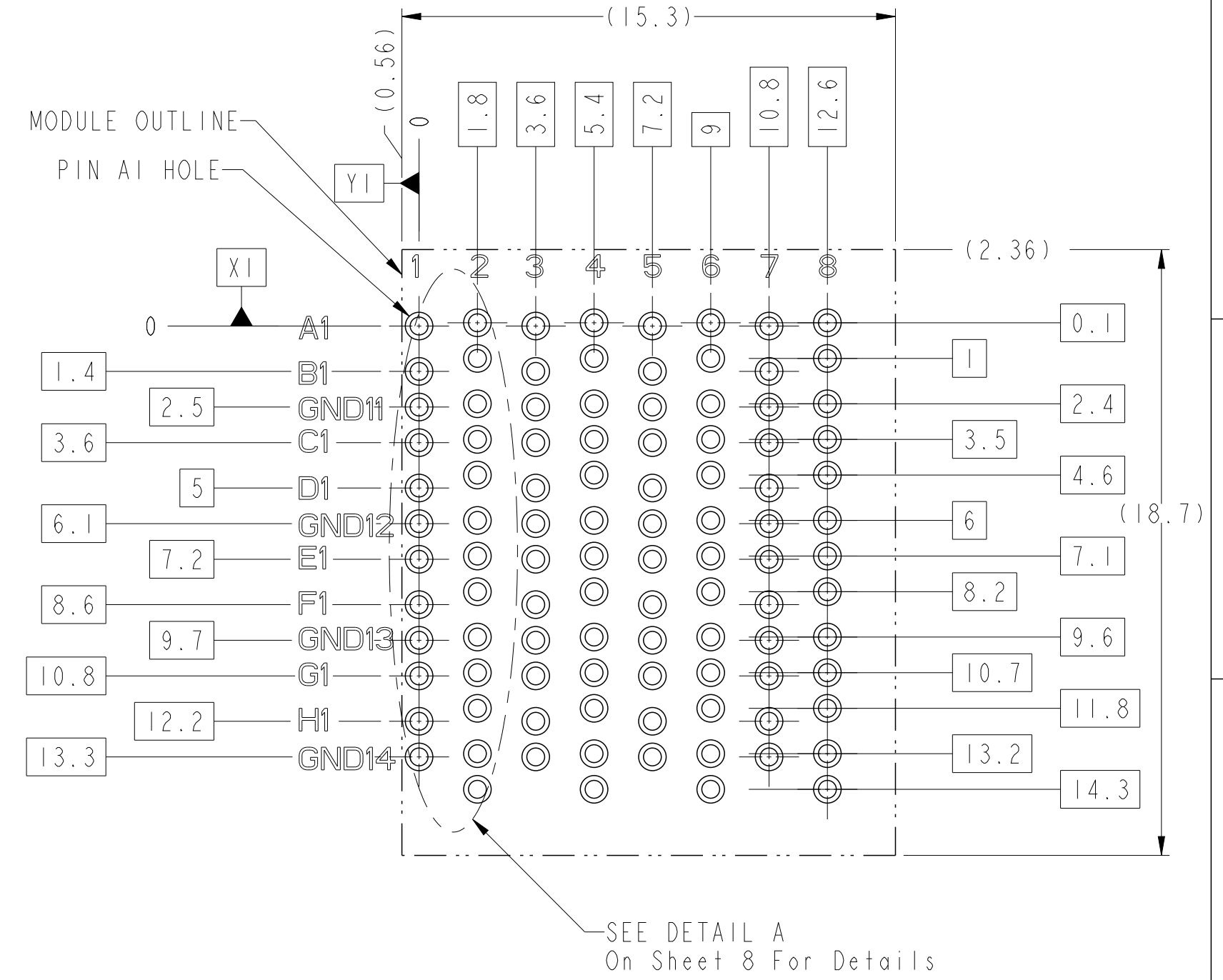
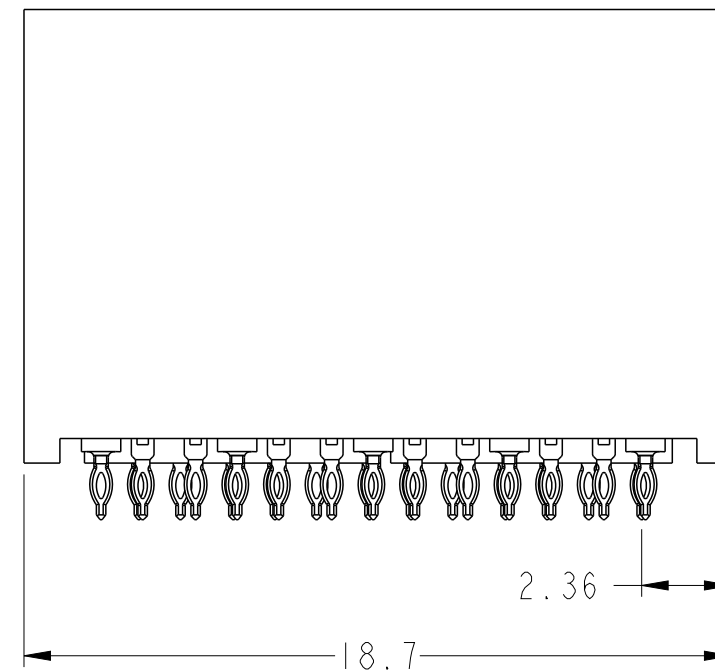
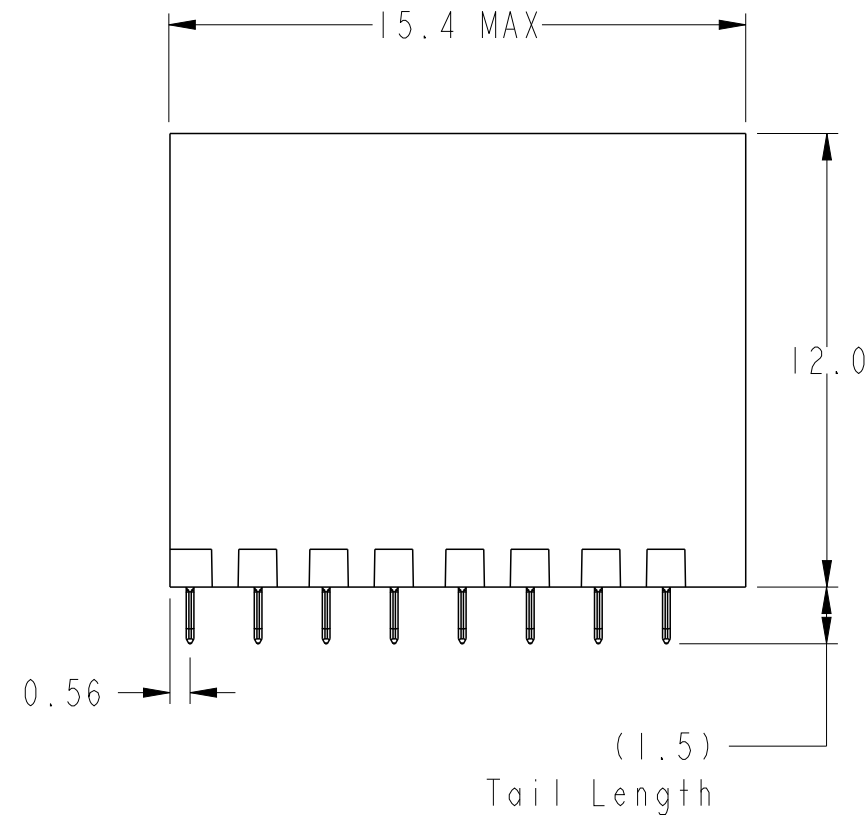
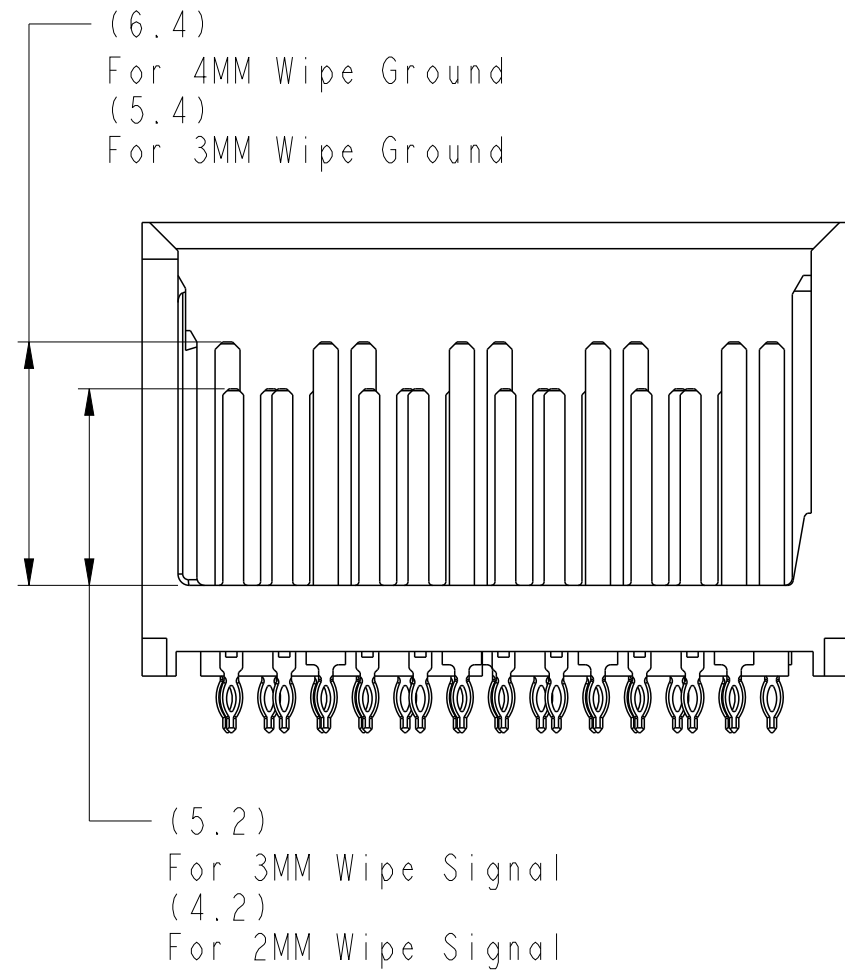
BP HOLE PATTERN COMPONENT SIDE  
LEFT WALL MODULE BACKPLANE FOOTPRINT



|               |                     |        |                                       |            |            |                                |        |                                                               |           |                        |
|---------------|---------------------|--------|---------------------------------------|------------|------------|--------------------------------|--------|---------------------------------------------------------------|-----------|------------------------|
| spec ref      | -                   | dr     | Collins Lu                            | 2011/07/27 | projection | mm                             | size   | A2                                                            | scale     | 1:1                    |
| tolerance std | ISO 406<br>ISO 1101 | eng    | Sandar Soe                            | 2016/03/07 | chr        | -                              | ecn no | ELX-S-17624-1                                                 | rel level | Released               |
| surface       | ISO 1302            | linear | 0.X ±0.3<br>0.XX ±0.10<br>0.XXX ±0.05 | angular    | 0° ±2°     | Amphenol<br>FCi<br>www.fci.com | title  | MODULE ASSEMBLY, XCEDE HD<br>Veritcal Header, 4 Pair 8 Column | cat. no.  | Product - Customer Drw |
|               |                     |        |                                       |            |            |                                |        |                                                               |           | sheet 3 of 8           |



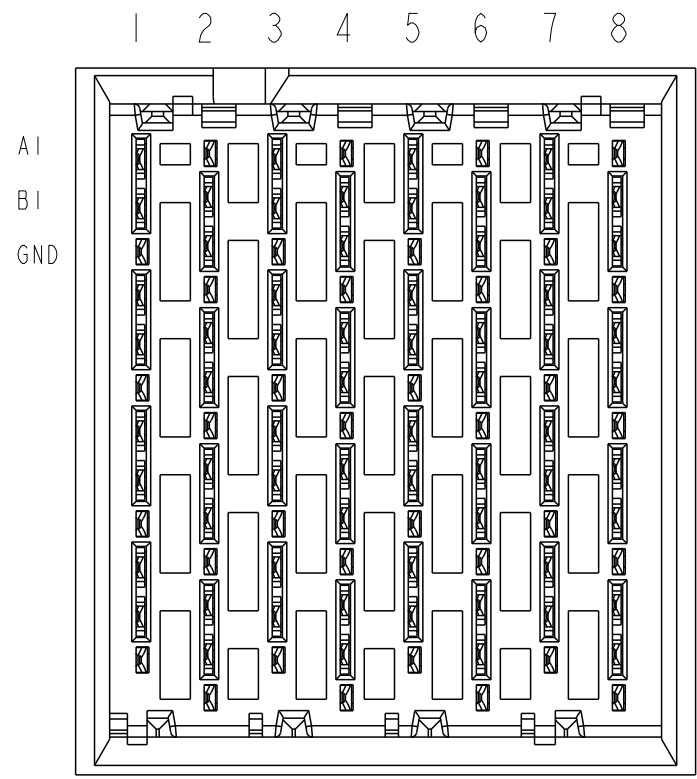
RIGHT WALL MODULE



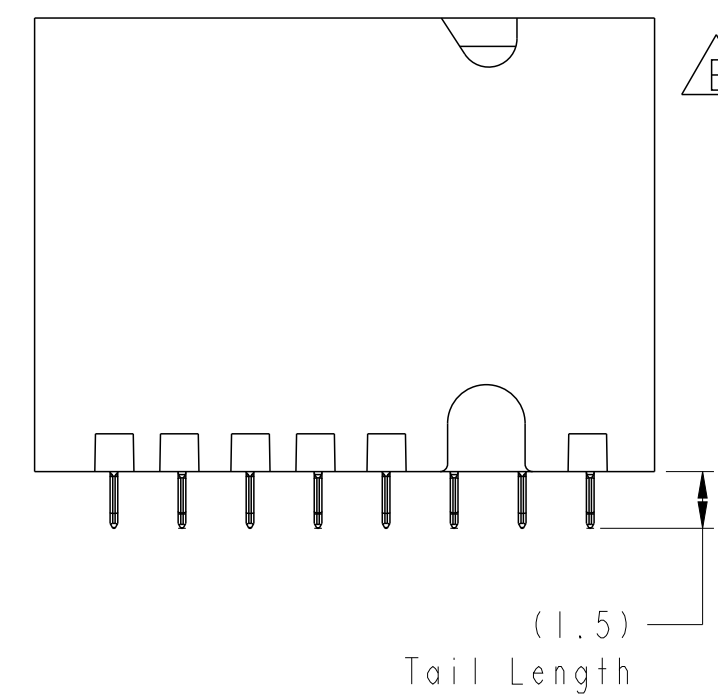
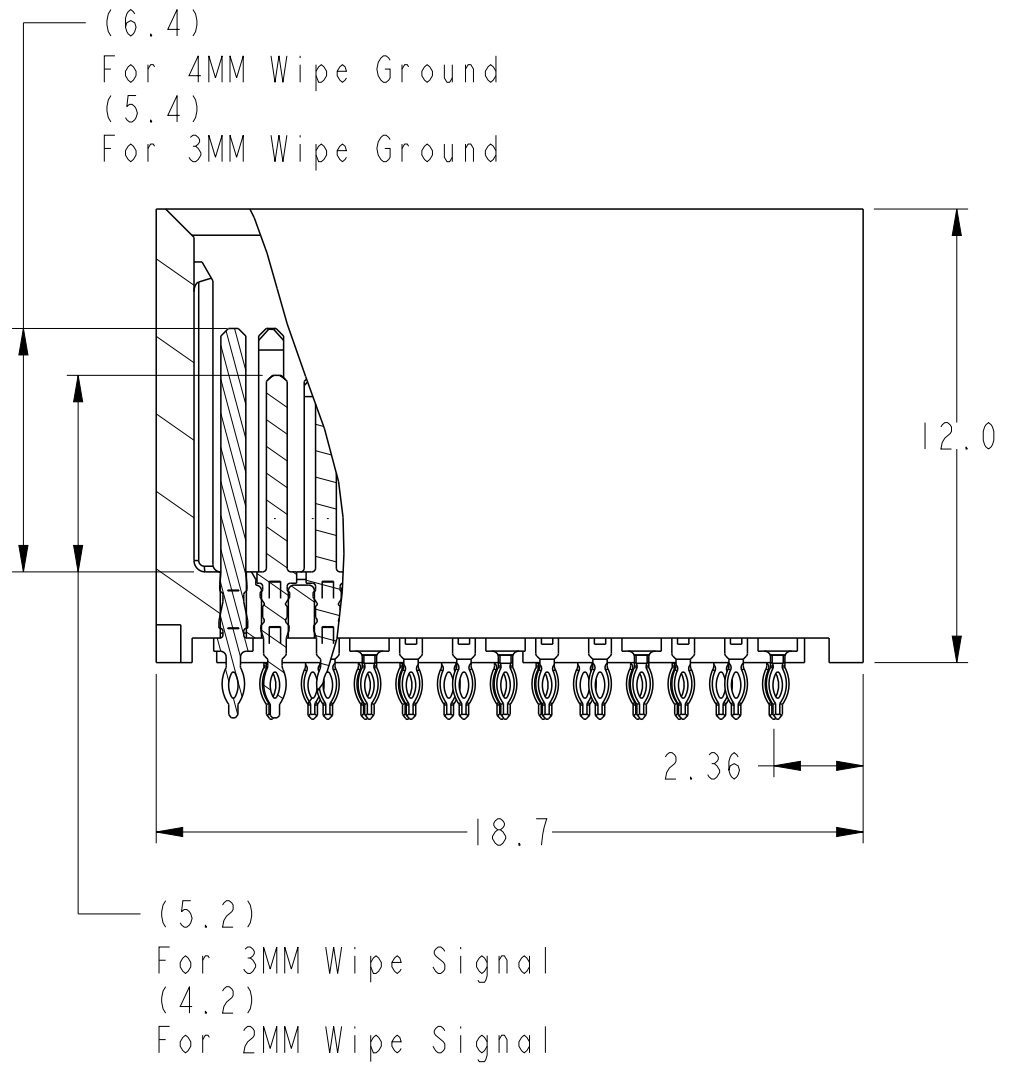
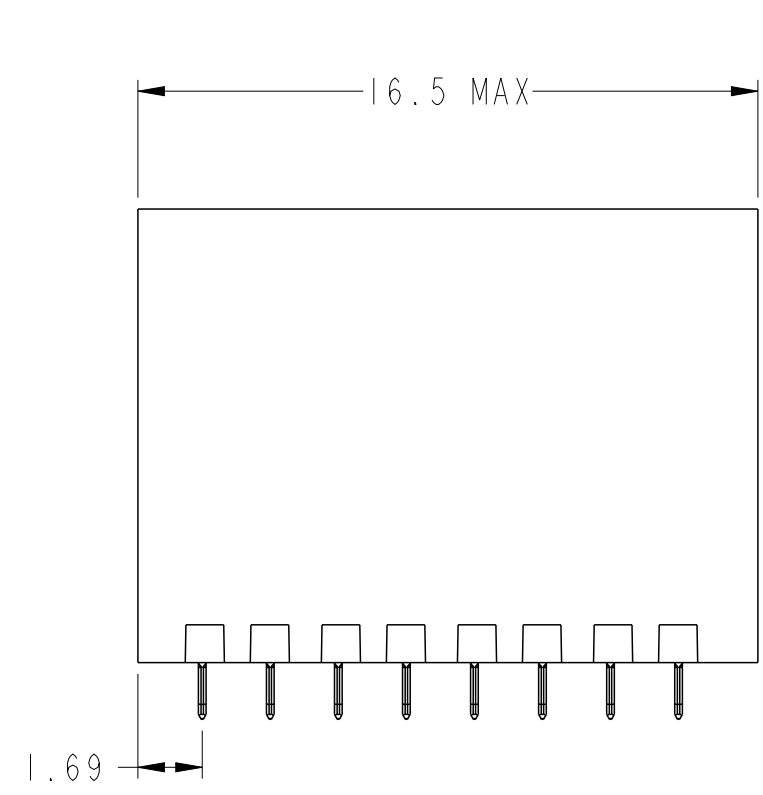
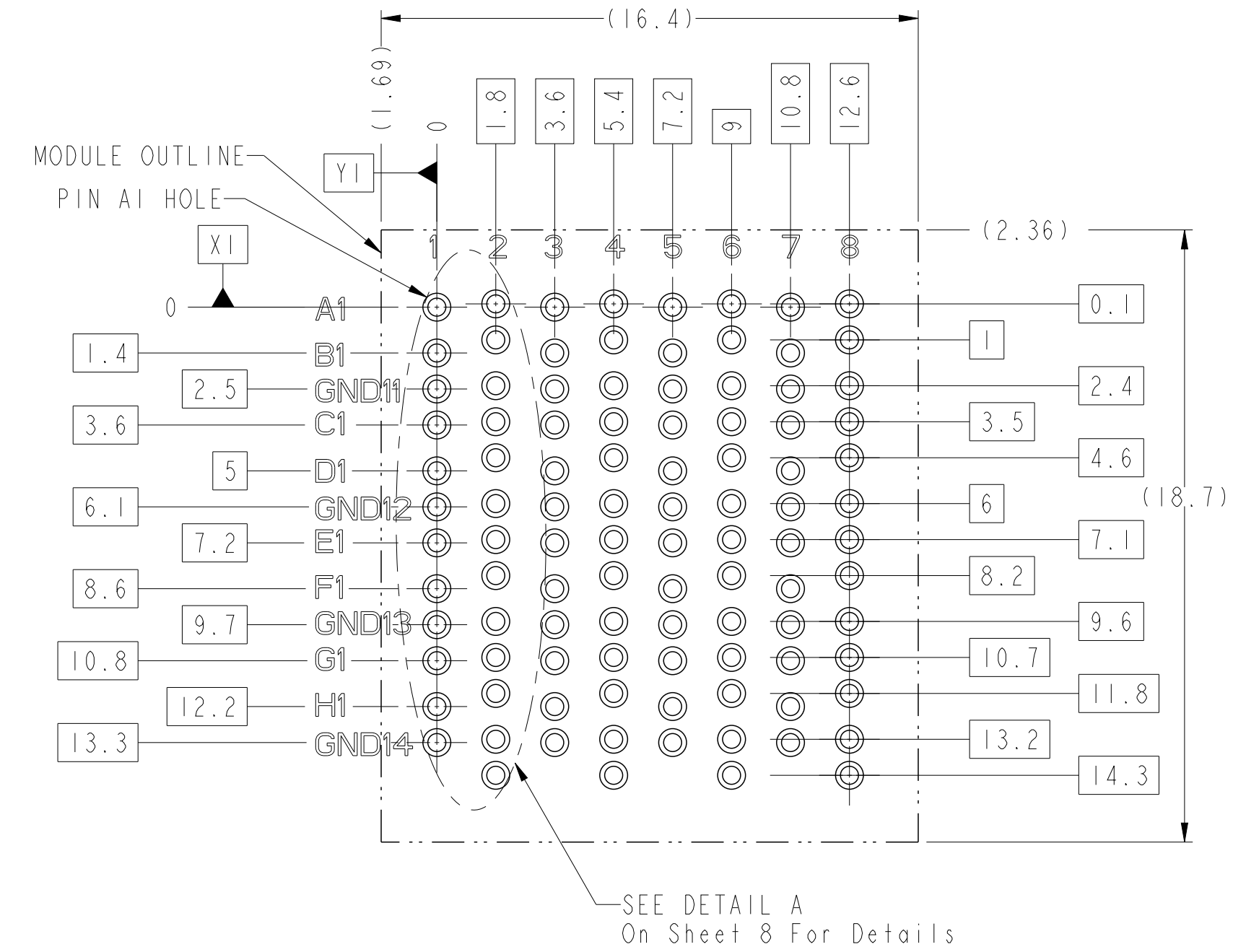
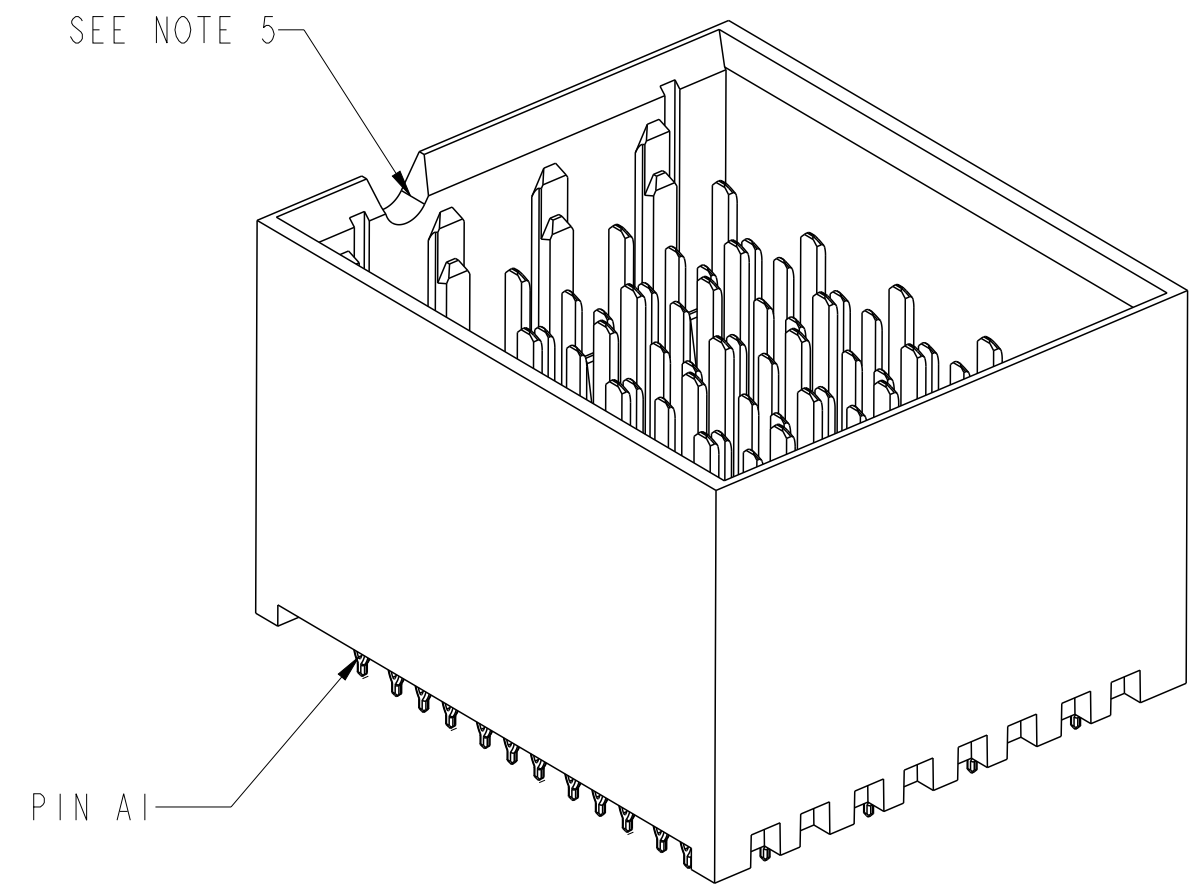
BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT

|                                       |                     |        |               |            |                 |    |                                                               |               |                        |              |
|---------------------------------------|---------------------|--------|---------------|------------|-----------------|----|---------------------------------------------------------------|---------------|------------------------|--------------|
| spec ref                              | -                   | dr     | Collins Lu    | 2011/07/27 | projection      | mm | size                                                          | A2            | scale                  | 1:1          |
| tolerance std                         | ISO 406<br>ISO 1101 | eng    | Sandar Soe    | 2016/03/07 | chr             | -  | ecn no                                                        | ELX-S-17624-1 | rel level              | Released     |
| surface                               | ISO 1302            | appr   | Chen-Hong Tan | 2016/03/17 | product family  | -  | cat. no.                                                      | -             | Product - Customer Drw | sheet 4 of 8 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | linear | 0.X           | ±0.3       | Amphenol<br>FCi |    | MODULE ASSEMBLY, XCEDE HD<br>Veritcal Header, 4 Pair 8 Column |               | 10115091               |              |
|                                       |                     |        | 0.XX          | ±0.10      |                 |    |                                                               |               |                        |              |
|                                       |                     |        | 0.XXX         | ±0.05      |                 |    |                                                               |               |                        |              |
|                                       | angular             | 0°     | ±2°           |            | www.fci.com     |    |                                                               |               |                        |              |



FOUR WALL MODULE



FOUR WALL MODULE BACKPLANE FOOTPRINT

|               |                                       |              |               |                           |                        |              |          |                        |              |          |
|---------------|---------------------------------------|--------------|---------------|---------------------------|------------------------|--------------|----------|------------------------|--------------|----------|
| spec ref      | -                                     | dr           | Collins Lu    | 2011/07/27                | projection             | mm           | size     | A2                     | scale        | 1:1      |
| tolerance std | ISO 406<br>ISO 1101                   | eng          | Sandar Soe    | 2016/03/07                | chr                    | -            | ecn no   | ELX-S-17624-1          | rel level    | Released |
| surface       | ISO 1302                              | appr         | Chen-Hong Tan | 2016/03/17                | product family         | -            | cat. no. | Product - Customer Drw | sheet 5 of 8 | rev      |
| linear        | 0.X ±0.3<br>0.XX ±0.10<br>0.XXX ±0.05 | Amphenol FCI | title         | MODULE ASSEMBLY, XCEDE HD | dwg no                 | 10115091     | rev      | E                      |              |          |
| angular       | 0° ±2°                                | www.fci.com  | cat. no.      | -                         | Product - Customer Drw | sheet 5 of 8 |          |                        |              |          |

# LEFT POLARIZING/GUIDE MODULE

Optional Key See Sheet 1  
Part Number Tree

SEE NOTE 5

SEE NOTE 11 & TABLE 1

PIN A1 HOLE

MODULE OUTLINE

Y1

A1

B1

GND11

C1

D1

GND12

E1

F1

GND13

G1

H1

GND14

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

AB

AC

AD

AE

AF

AG

AH

AI

AJ

AK

AL

AM

AN

AO

AP

AQ

AR

AS

AT

AU

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AZ

BA

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CM

CN

CO

CP

CQ

CR

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DV

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DX

DY

DZ

EA

EB

EC

ED

EE

EF

EG

EH

EI

EJ

EK

EL

EN

EO

EP

EQ

ER

ES

ET

EU

EV

EW

EX

EY

EZ

FA

FB

FC

FD

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FK

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FU

FV

FW

FX

FY

FZ

GA

GB

GC

GD

GE

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GG

GH

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GP

GQ

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GS

GT

GU

GV

GW

GX

GY

GZ

HA

HB

HC

HD

HE

HF

HG

HH

HI

HJ

HK

HL

HN

HO

HP

HQ

HR

HS

HT

HU

HV

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IY

IZ

JA

JB

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JD

JE

JF

JG

JH

JI

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JQ

JR

JS

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KI

KJ

KL

KN

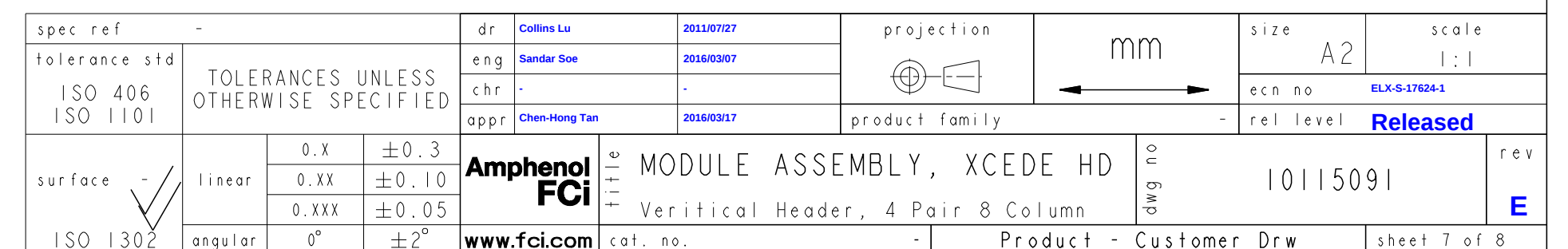
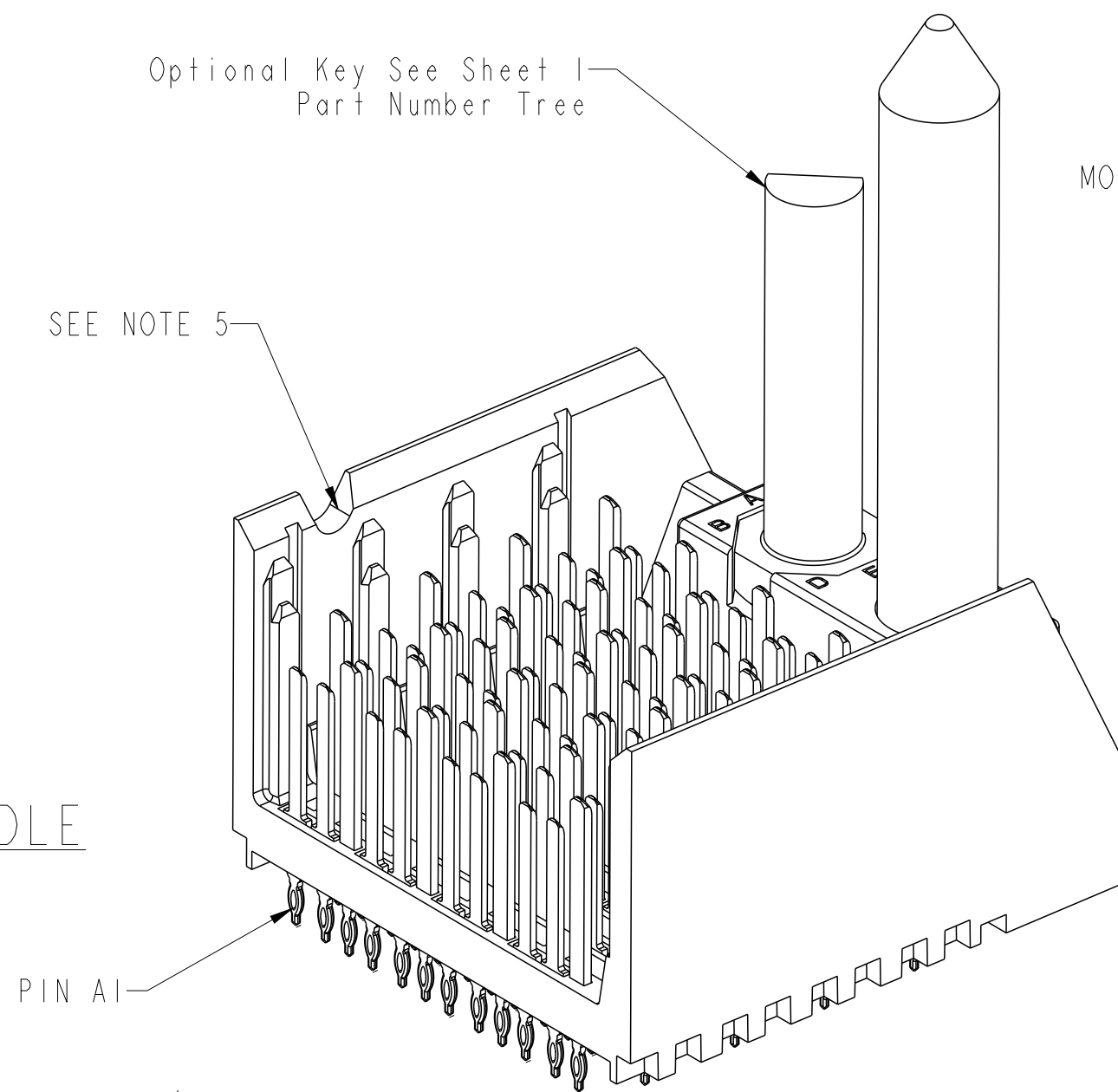
KO

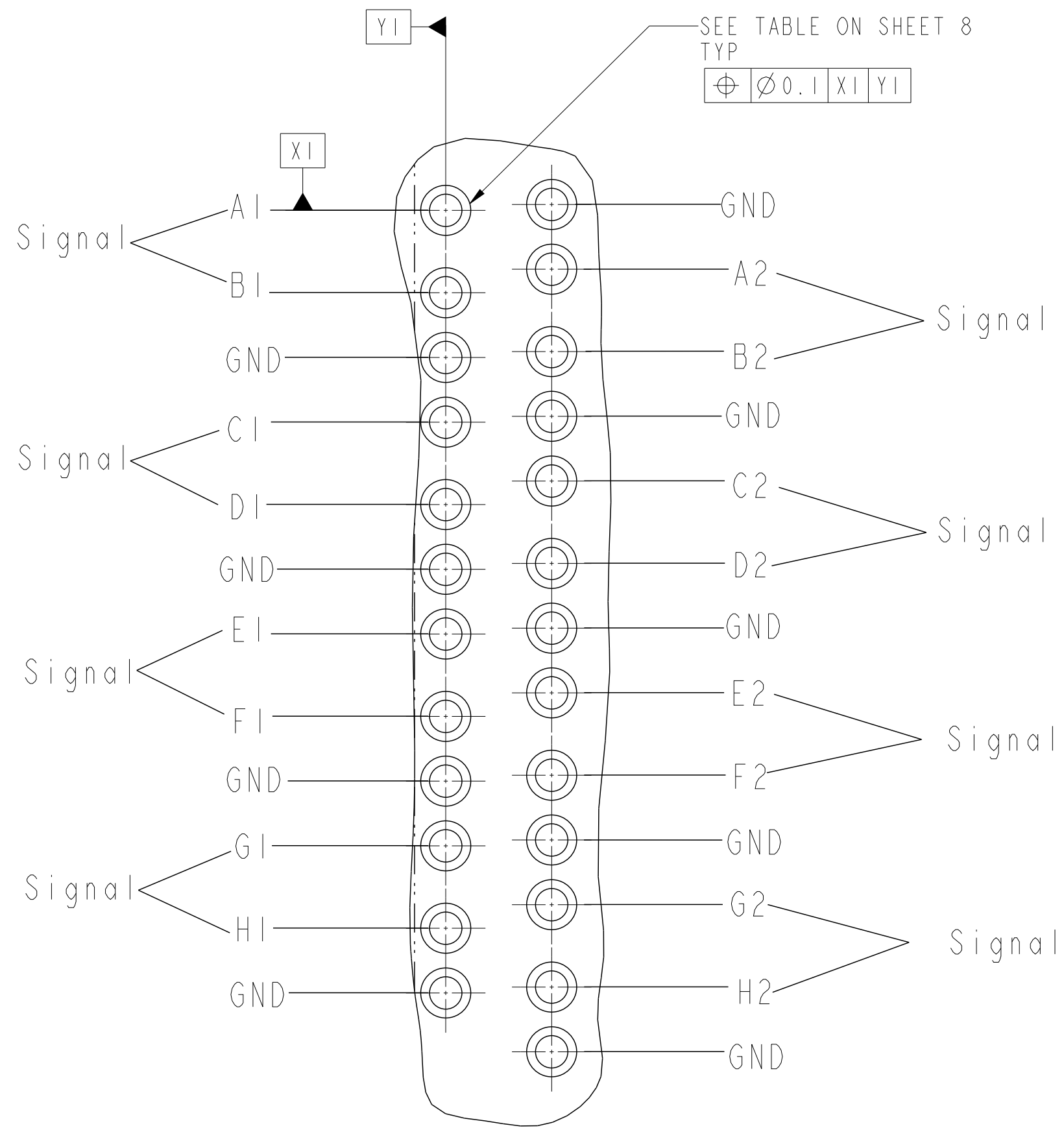
KP

KQ

KR

KS





DETAIL A  
SCALE 12:1

| TABLE 3 |                                                    |                                                    |
|---------|----------------------------------------------------|----------------------------------------------------|
|         | COMPLIANT PIN<br>DRILL $\varnothing 0.55[0.0217"]$ | COMPLIANT PIN<br>DRILL $\varnothing 0.45[0.0177"]$ |
| PTH     | $\varnothing 0.45 \pm 0.05$                        | $\varnothing 0.36 \pm 0.05$                        |
| DRILL   | $\varnothing 0.55 [0.0217"]$                       | $\varnothing 0.45 [0.0177"]$                       |
| PAD     | $\varnothing 0.85$                                 | $\varnothing 0.75$                                 |

NOTES:

- CONNECTOR MATERIALS  
SHROUD : HIGH-TEMP POLYMER, COLOR : BLACK, UL94V-0  
CONTACTS : HIGH PREFORMANCE COPPER ALLOY
- PRODUCT SPECIFICATION : GS-12-0936
- APPLICATION SPECIFICATION : GS-20-0348
- PRODUCT MARKING :  
PART NUMBER (10115091-XOE-XXXLF)  
"FCI" AND DATE CODE (FCI P#####)
- NOTCH DESIGNATES "ROW A" SIDE OF CONNECTOR. NOTCH FEATURE ON OPPOSITE FOR PRODUCT MARKING.
- PLATING THICKNESS OF SIGNAL & GROUND CONTACT ARE DETERMINED BY PLATING CODE, REFER TO P/N TREE ON SHEET 1.
- PACKAGING MEETS GS-14-920 LEAD-FREE LABELING SPECIFICATION.
- GUIDE-PIN STYLE DESIGNATION ONLY APPLIES TO MODULE VERSIONS THAT REQUIRE GUIDE-PIN HARDWARE. FOR ALL NON-GUIDE-PIN VERSIONS, THE DEFAULT DASH-NUMBER DIGIT IN THAT LOCATION IS STILL '0'.
- SEE APPLICATION SPECIFICATION FOR ROUTING GUIDELINES, ADDITIONAL PTH GUIDELINES, MATED DIMENSIONS, GUIDE PIN SELECTION, ETC.
- A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE-PIN SUPPORT. SEE TABLE 1 SHEET 1 FOR ADDITIONAL DETAILS.
- SCREW IS OPTIONAL AND ENGAGES WITH BOTTOM OF GUIDE PIN FROM BENEATH THE PCB FOR ADDITIONAL GUIDE-PIN SUPPORT.

|                                       |                                                      |              |                  |                                  |                |                           |          |                 |           |                       |
|---------------------------------------|------------------------------------------------------|--------------|------------------|----------------------------------|----------------|---------------------------|----------|-----------------|-----------|-----------------------|
| spec ref                              | -                                                    | dr           | Collins Lu       | 2011/07/27                       | projection     | mm                        | size     | A2              | scale     | 1:1                   |
| tolerance std                         | ISO 406<br>ISO 1101                                  | eng          | Sandar Soe       | 2016/03/07                       | chr            | -                         | ecn no   | ELX-S-17624-1   | rel level | Released              |
| surface                               | ISO 1302                                             | appr         | Chen-Hong Tan    | 2016/03/17                       | product family | Module Assembly, XCEDE HD | cat. no. | 10115091        | rev       | E                     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                                                      | Amphenol FCI |                  | Veritcal Header, 4 Pair 8 Column |                | Product - Customer Drw    |          | sheet 8 of 8    |           |                       |
| linear                                | 0.X $\pm 0.3$<br>0.XX $\pm 0.10$<br>0.XXX $\pm 0.05$ | angular      | 0° $\pm 2^\circ$ | www.fci.com                      |                | PDS: Rev :E               |          | STATUS:Released |           | Printed: Mar 17, 2016 |

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Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)