

A  
B  
C  
D  
E  
F

10115091 - 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)                                       |   |   |   |   |   |   |   |   |   |             |

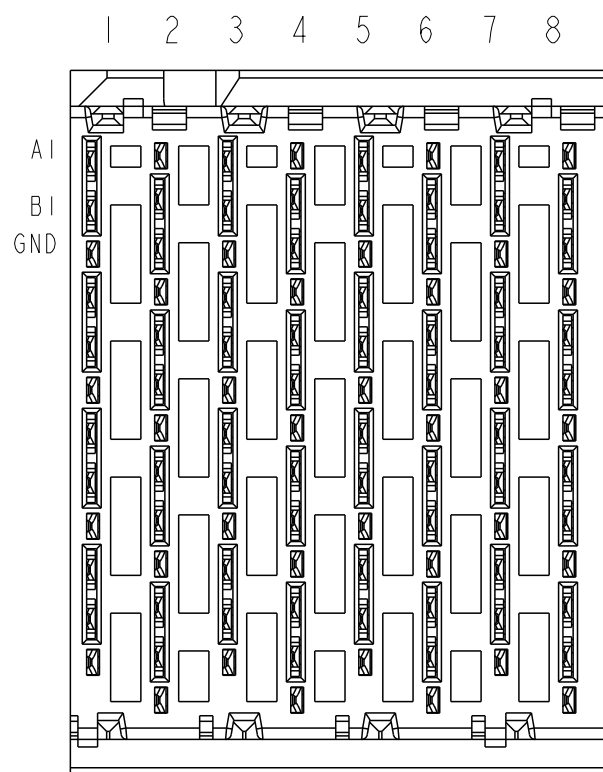
| NUMBER                                                                                                                                                                                                                 | CONTACT MATING WIPE LENGTH |        | COMPLIANT TAIL TYPE (SEE NOTE 9) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------|----------------------------------|
|                                                                                                                                                                                                                        | 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       | linear                                | 0.X ±0.3       |
| ISO 1101      |                                       | 0.XX ±0.10     |
|               |                                       | 0.XXX ±0.05    |
|               |                                       | angular 0° ±2° |
| surface       | ISO 1302                              |                |

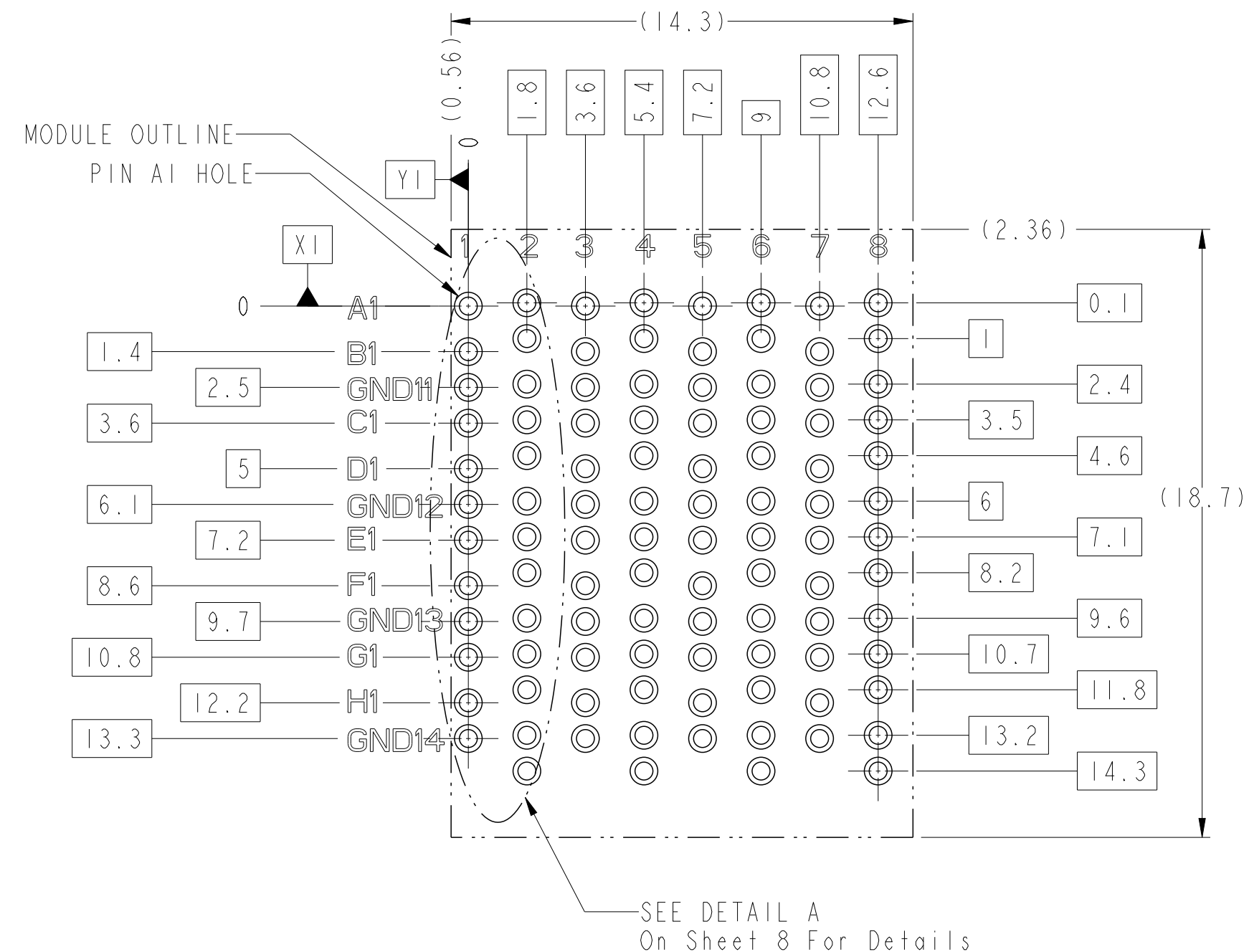
|                     |               |            |                                  |                                                                                       |                        |                                                                                       |            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



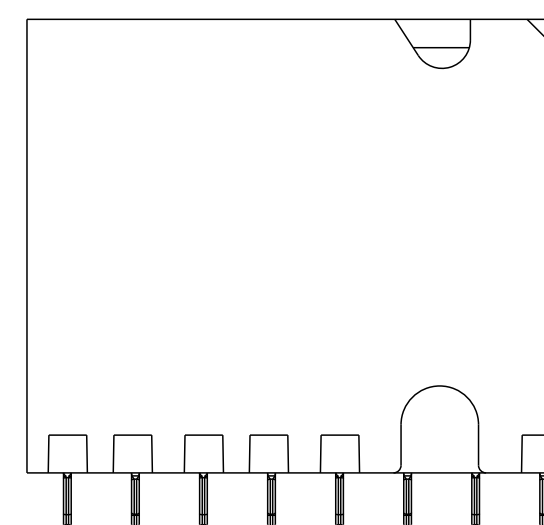
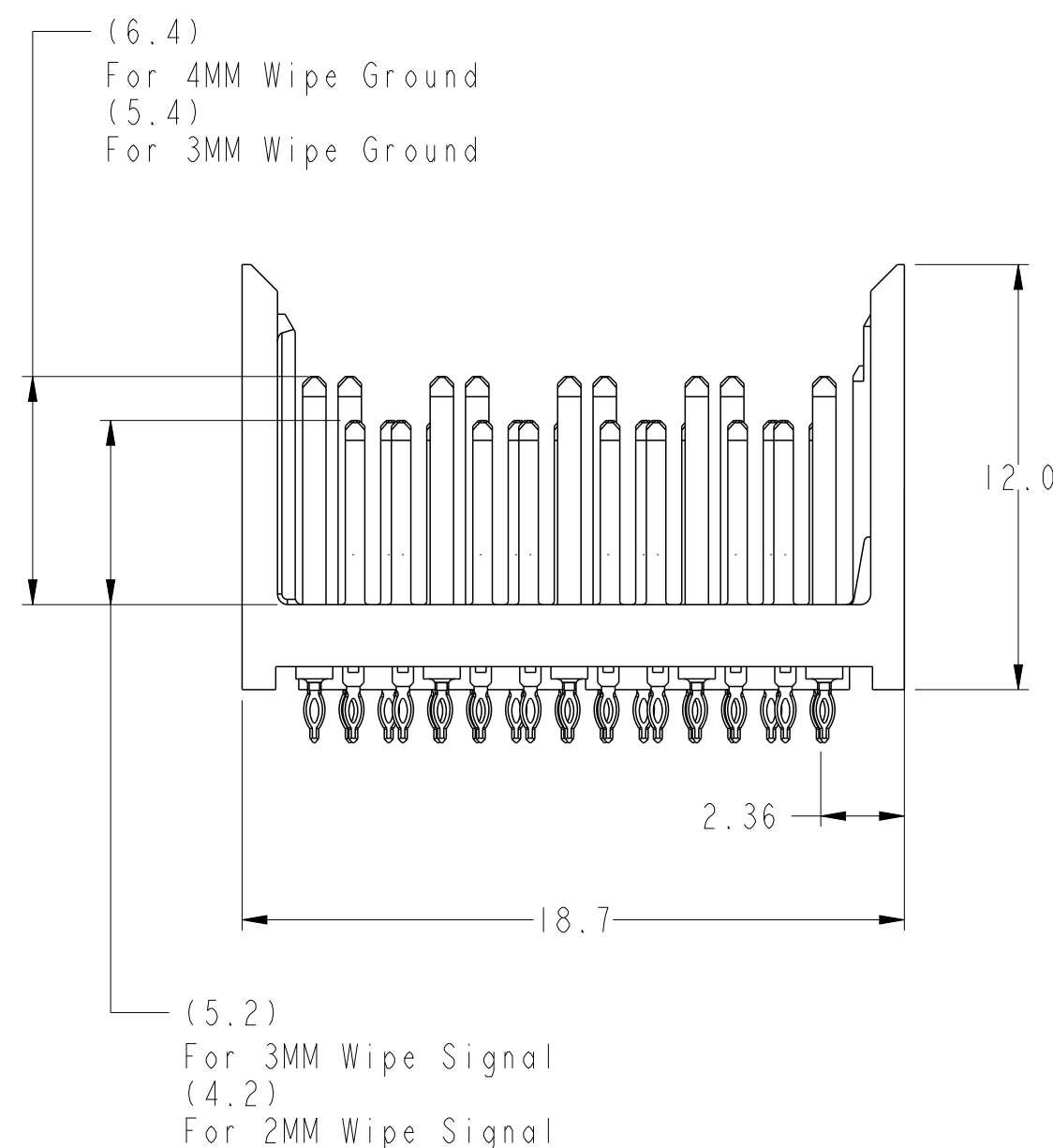
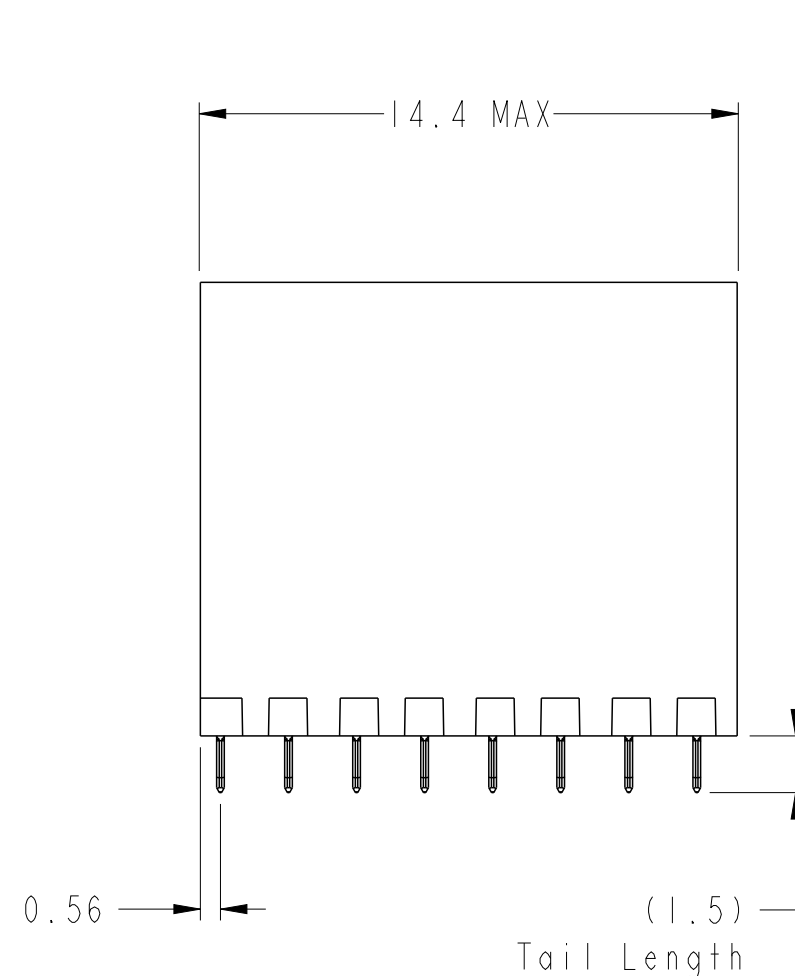
SEE NOTE 5

PIN A1

OPEN WALL MODULE



BP HOLE PATTERN COMPONENT SIDE  
OPEN WALL MODULE BACKPLANE FOOTPRINT

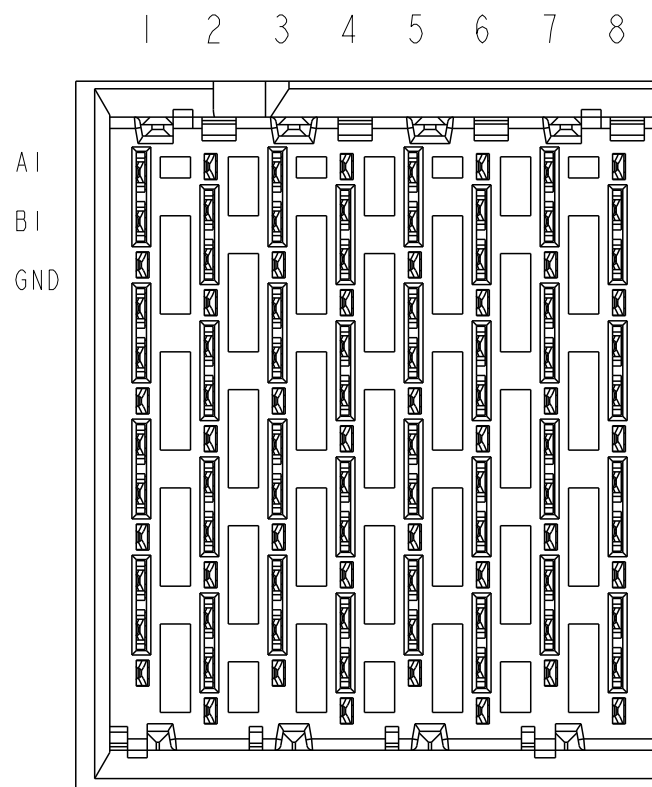


|                                                                                       |  |                                       |  |       |  |               |  |                     |  |                                                                                       |  |                   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

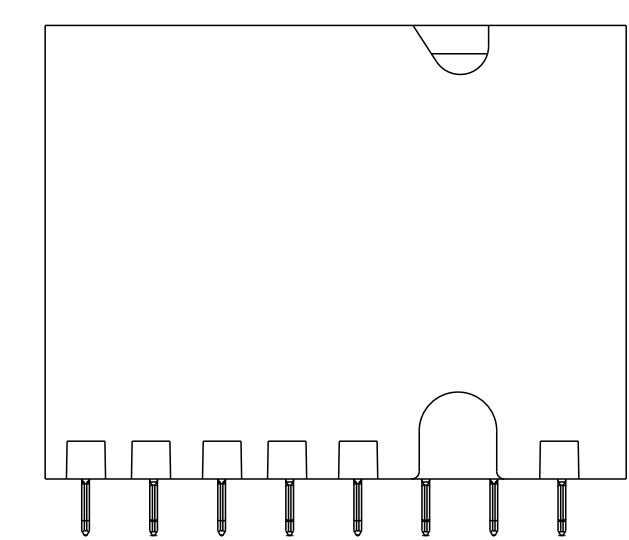
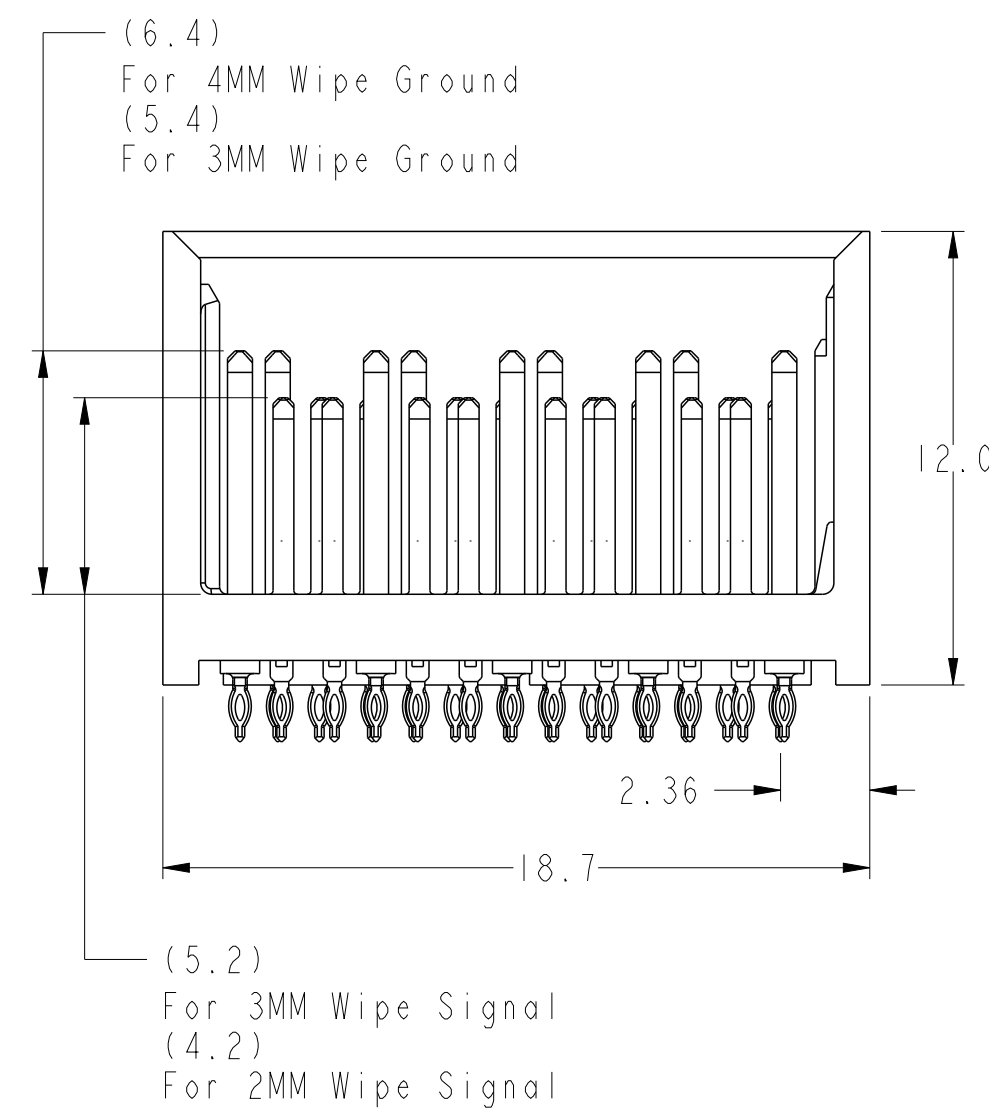
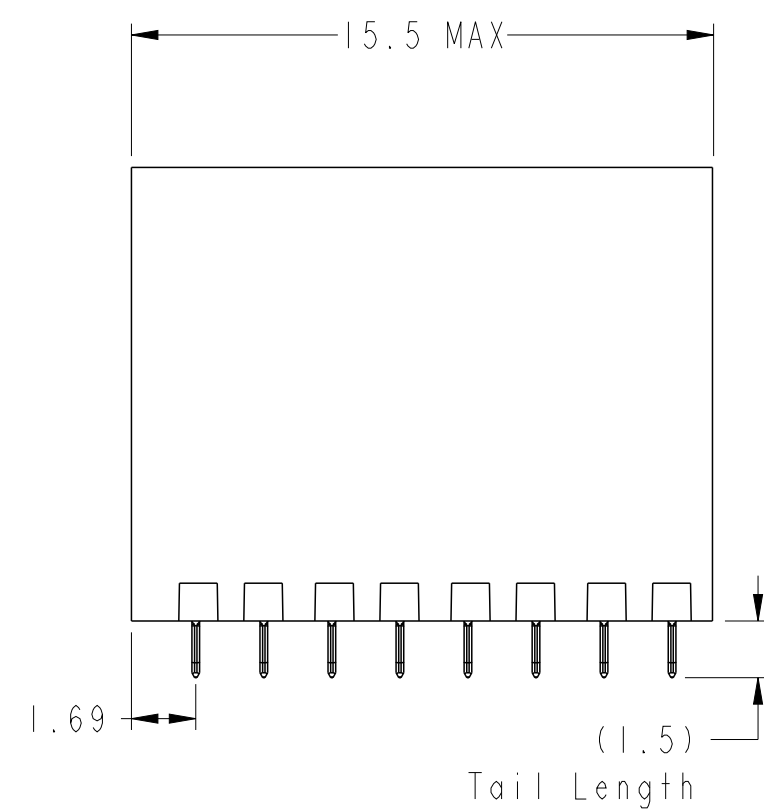
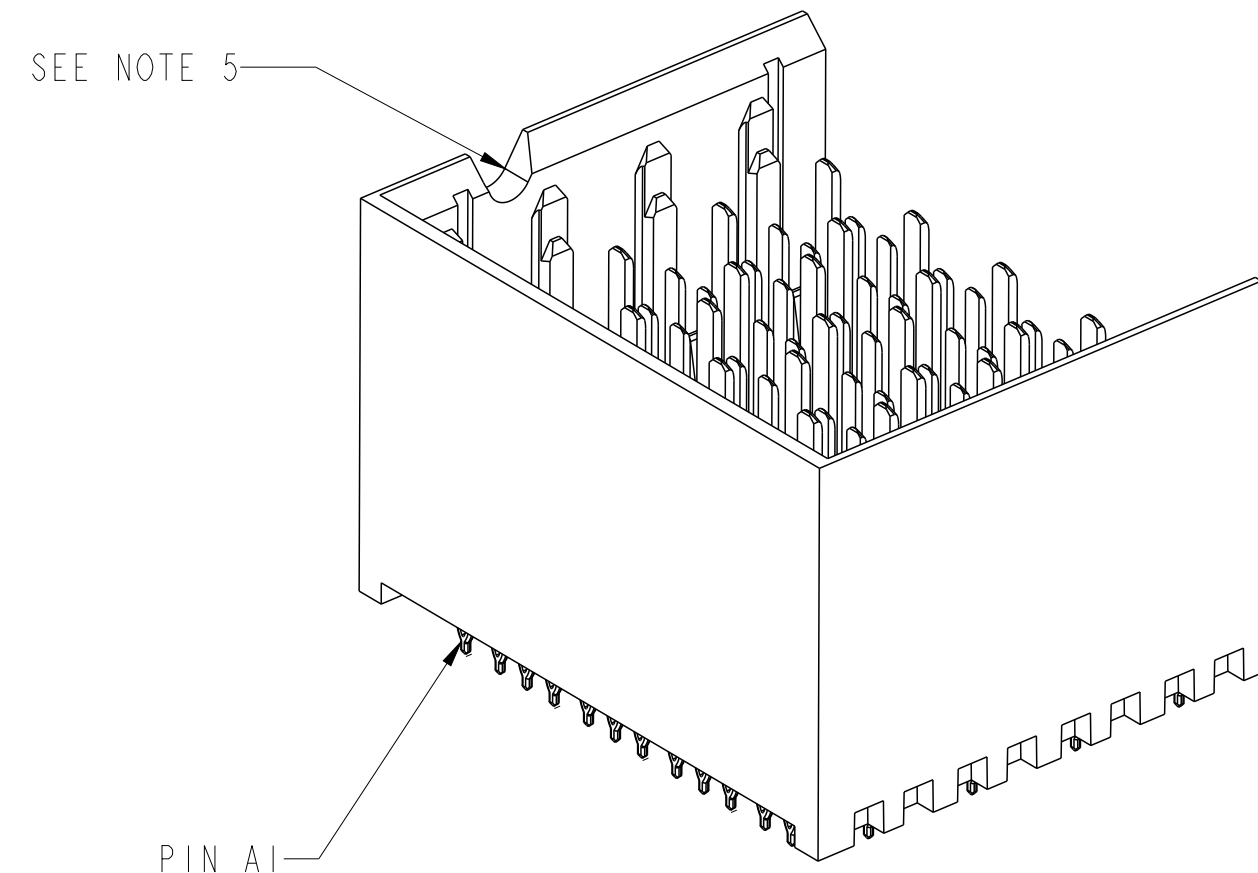
PDS: Rev :E

STATUS:Released

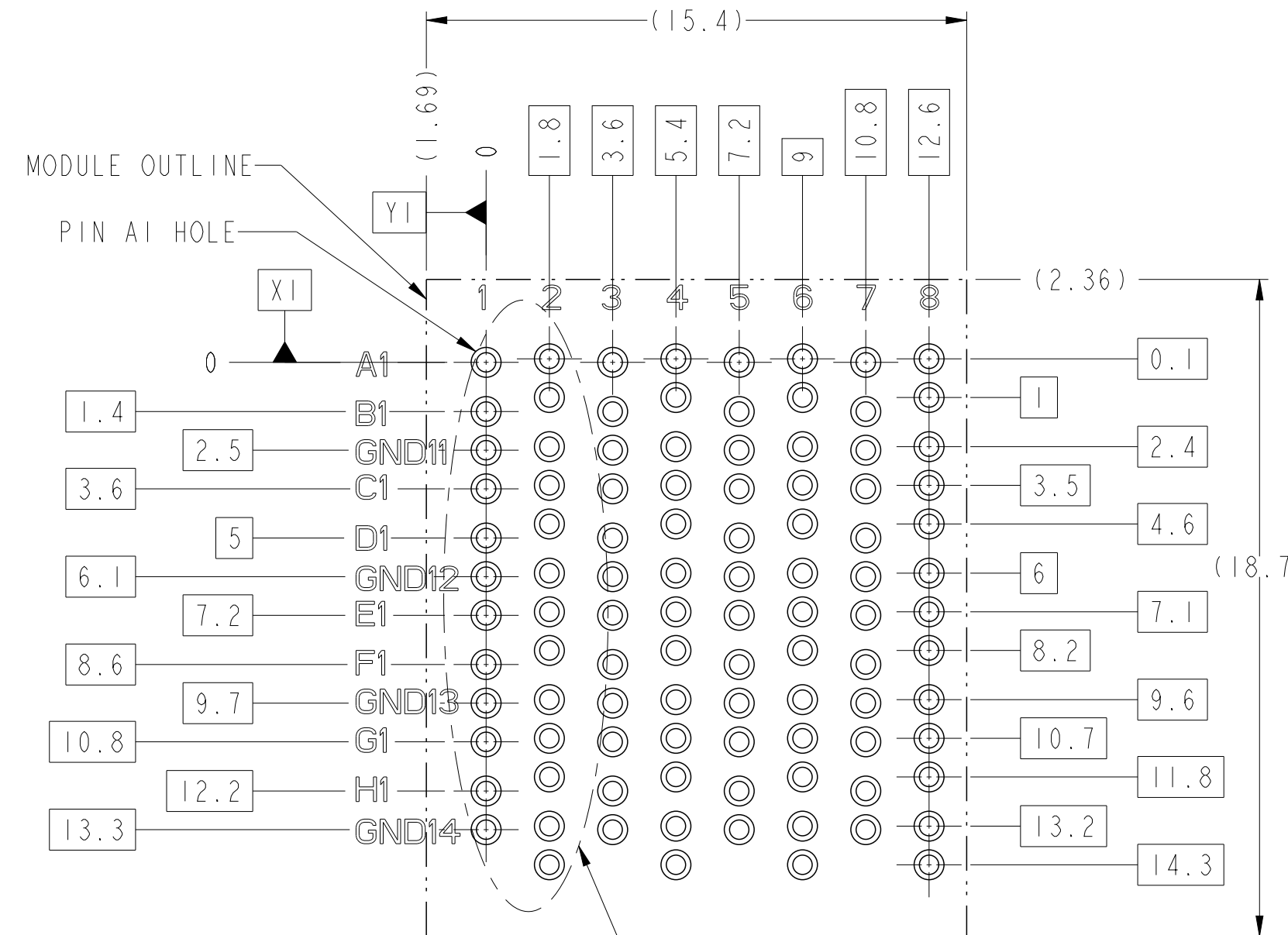
Printed: Mar 17, 2016



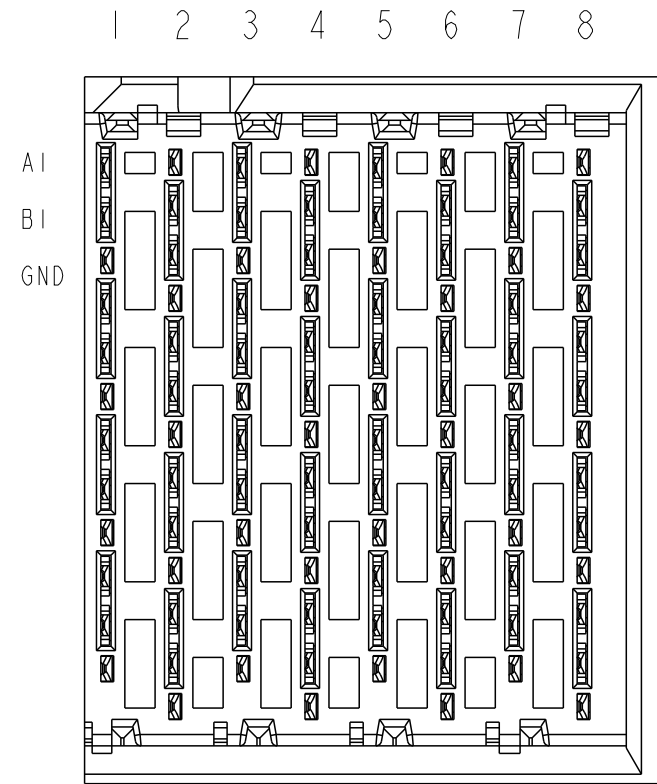
LEFT WALL MODULE



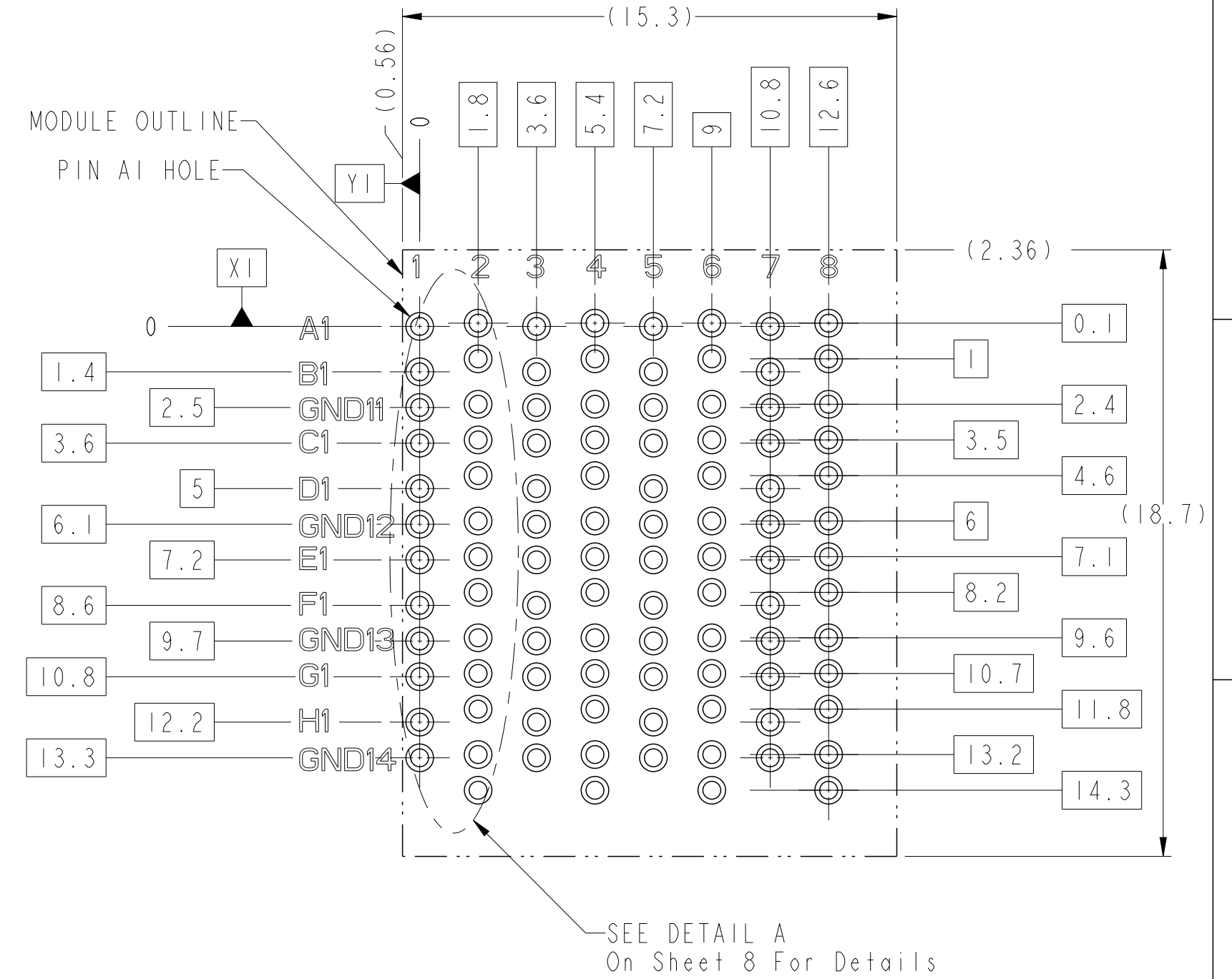
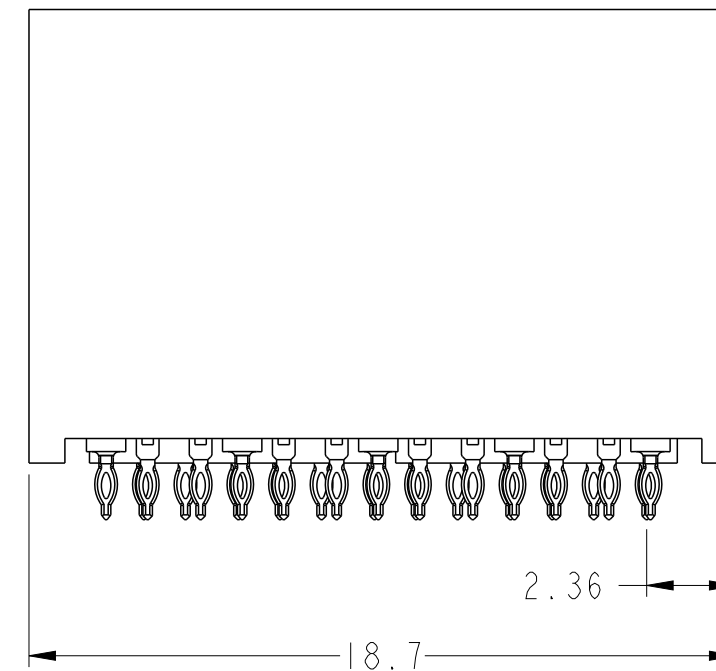
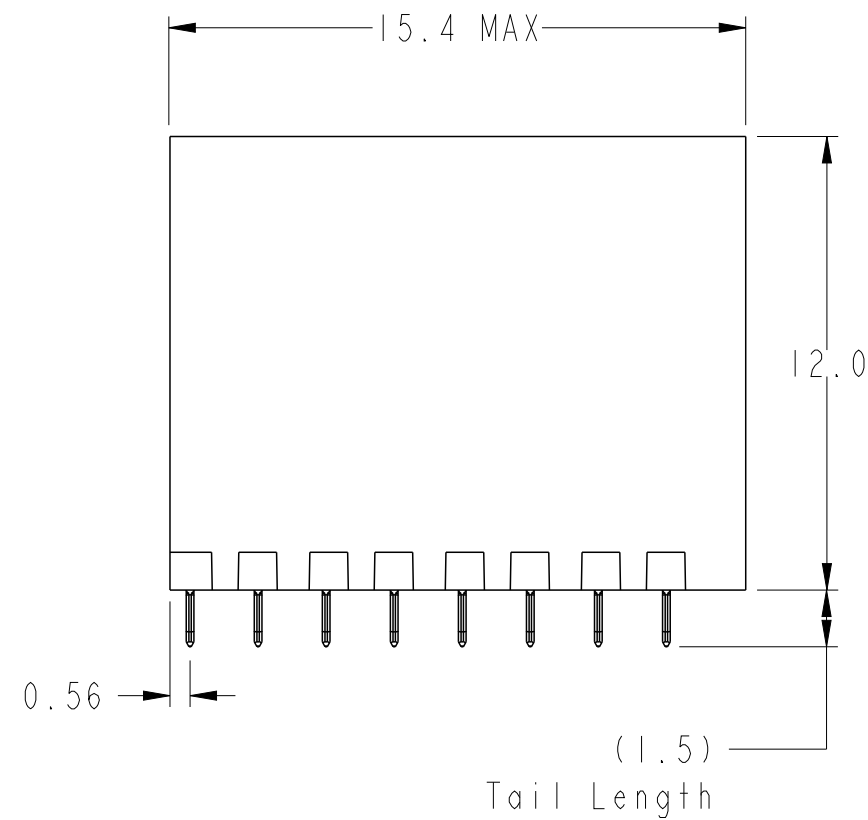
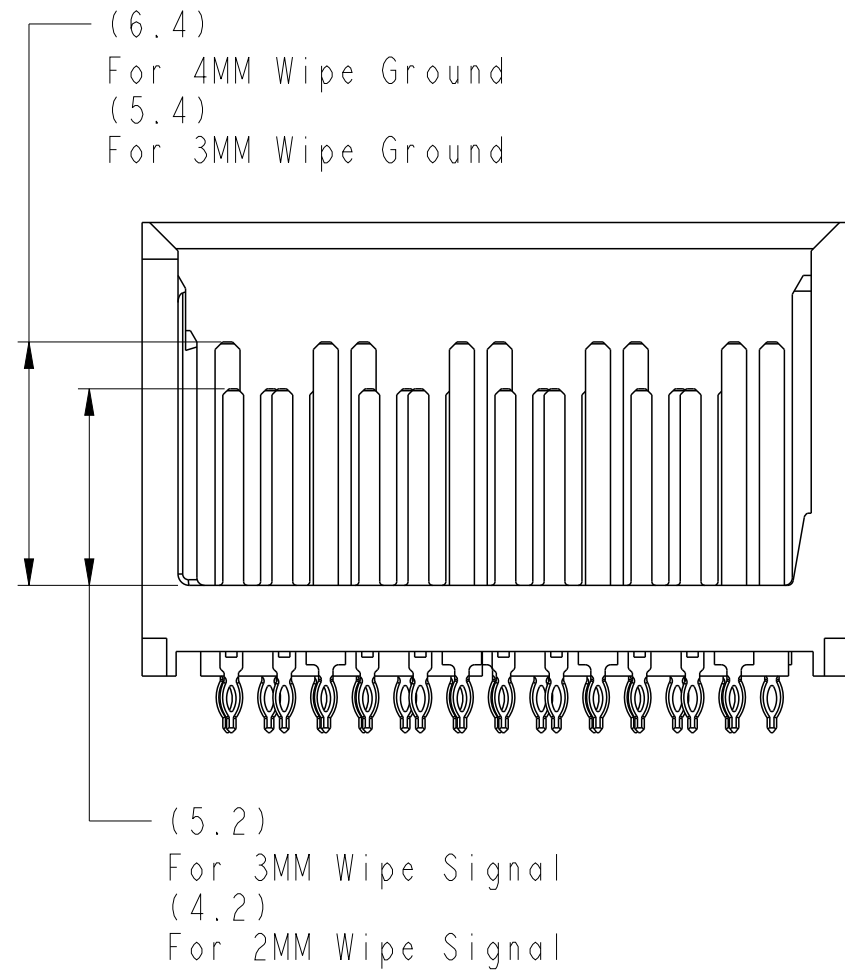
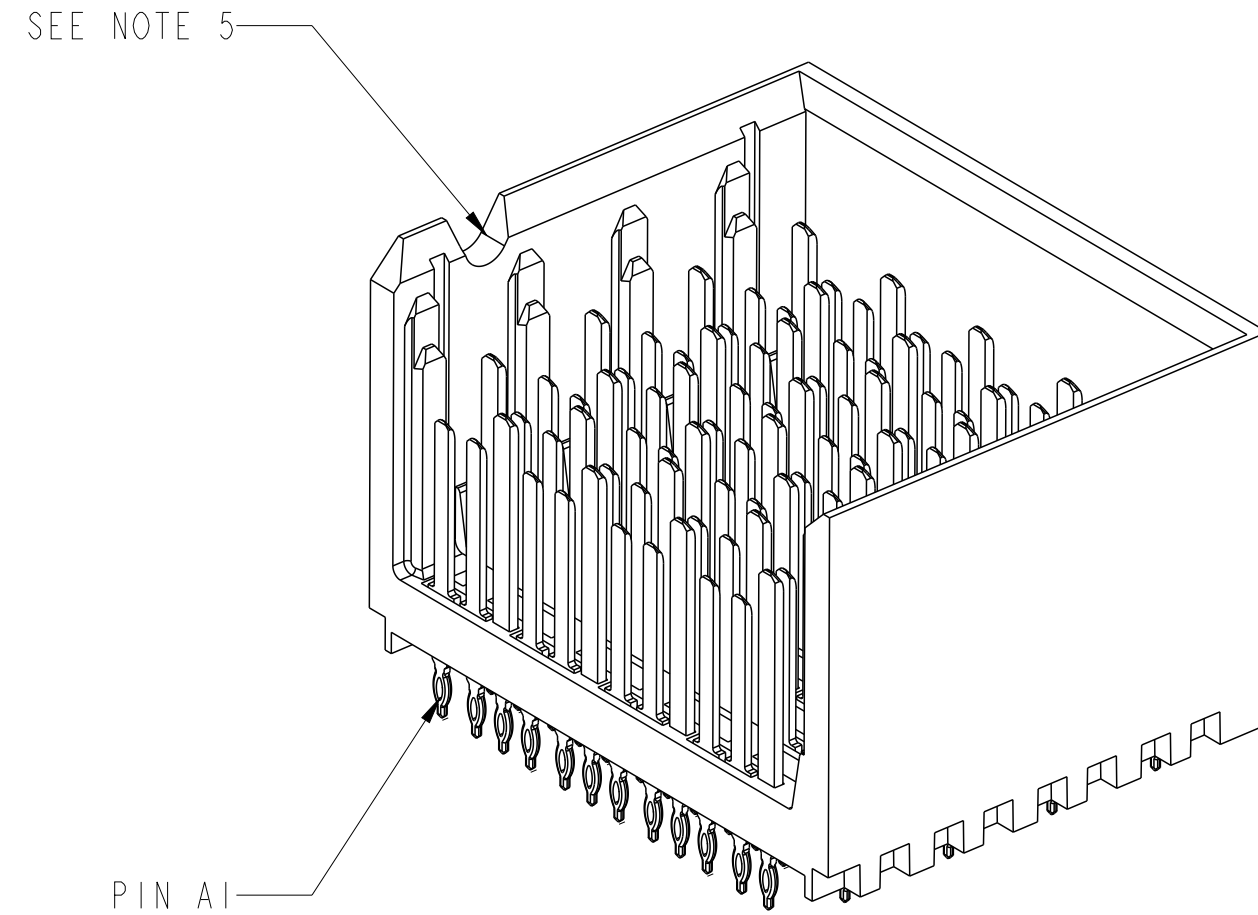
BP HOLE PATTERN COMPONENT SIDE  
LEFT WALL MODULE BACKPLANE FOOTPRINT



|               |                     |        |                                       |            |            |                                |        |                                                               |           |                        |
|---------------|---------------------|--------|---------------------------------------|------------|------------|--------------------------------|--------|---------------------------------------------------------------|-----------|------------------------|
| 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           |



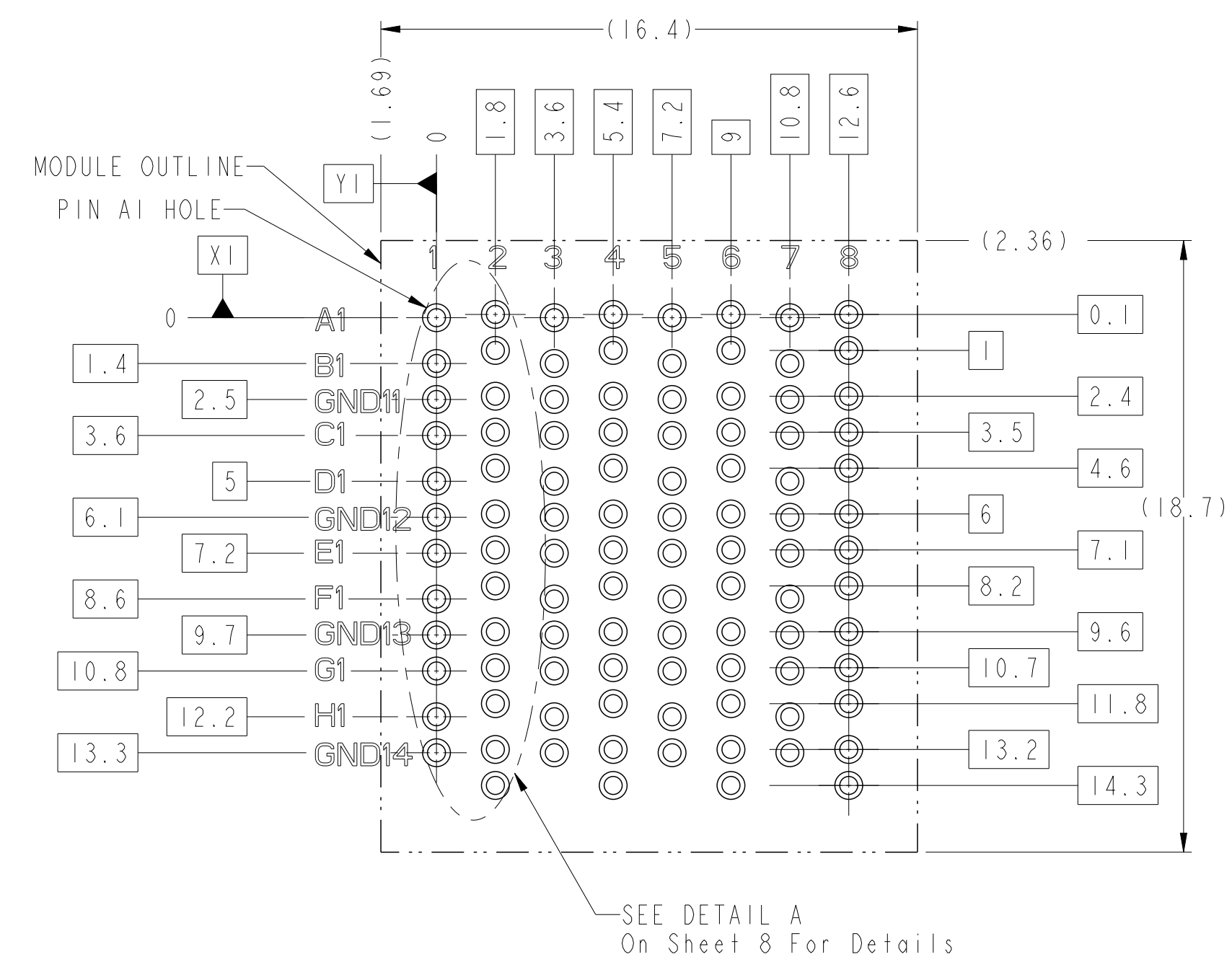
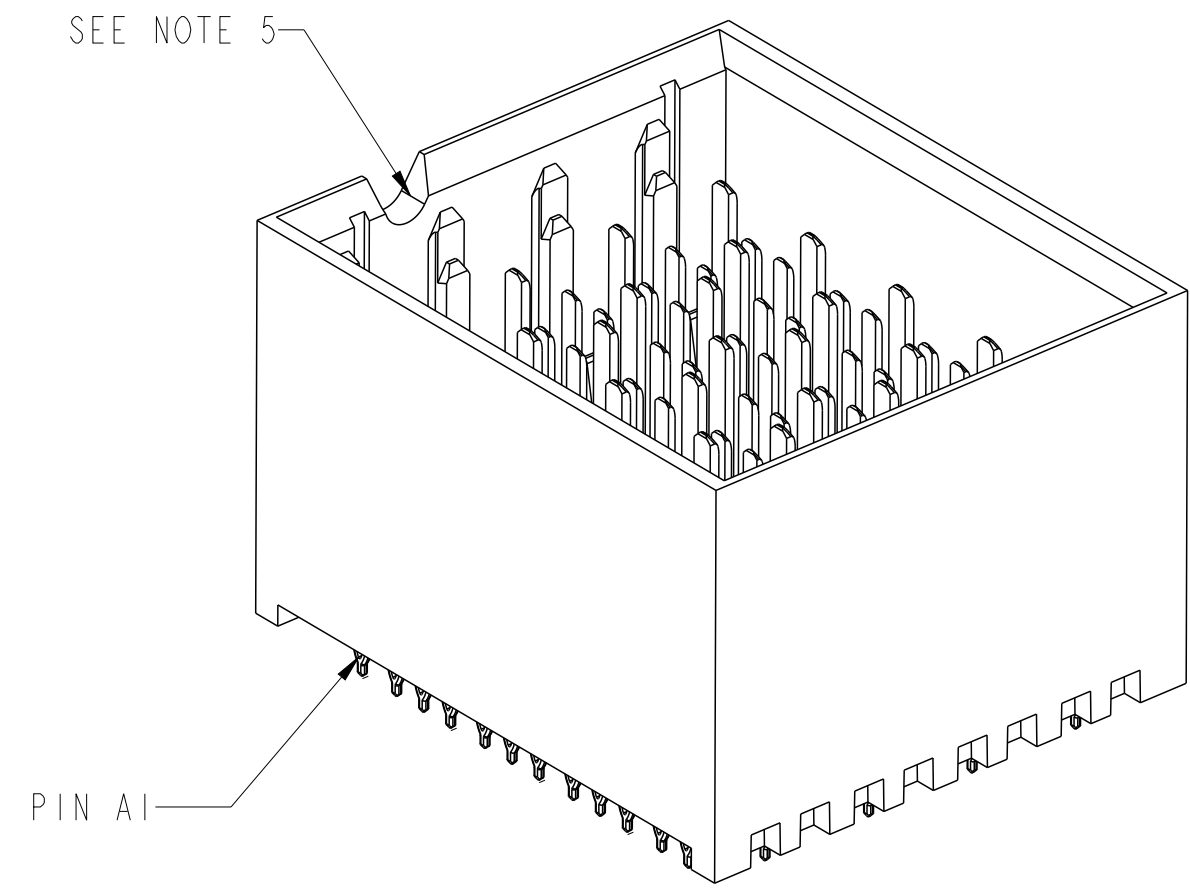
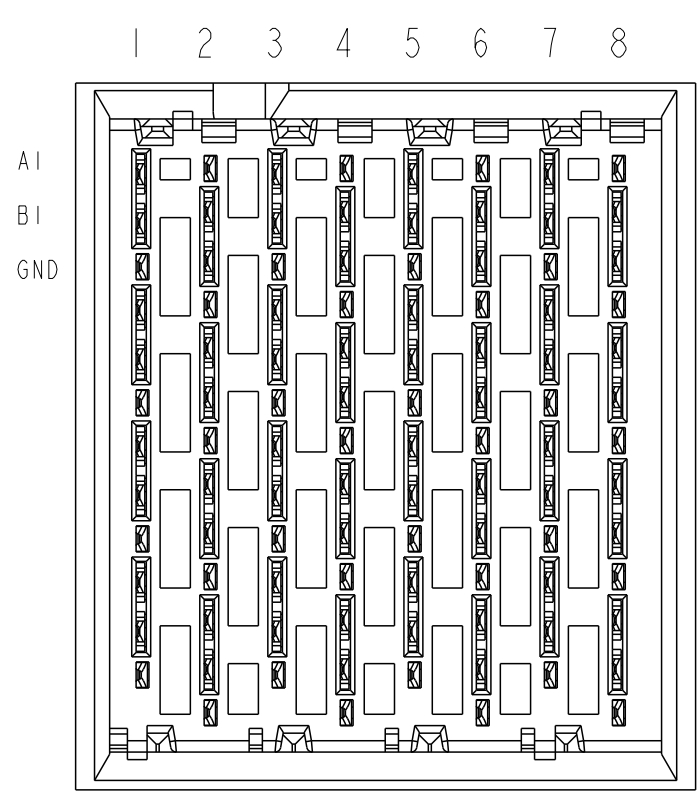
RIGHT WALL MODULE



BP HOLE PATTERN COMPONENT SIDE

RIGHT WALL MODULE BACKPLANE FOOTPRINT

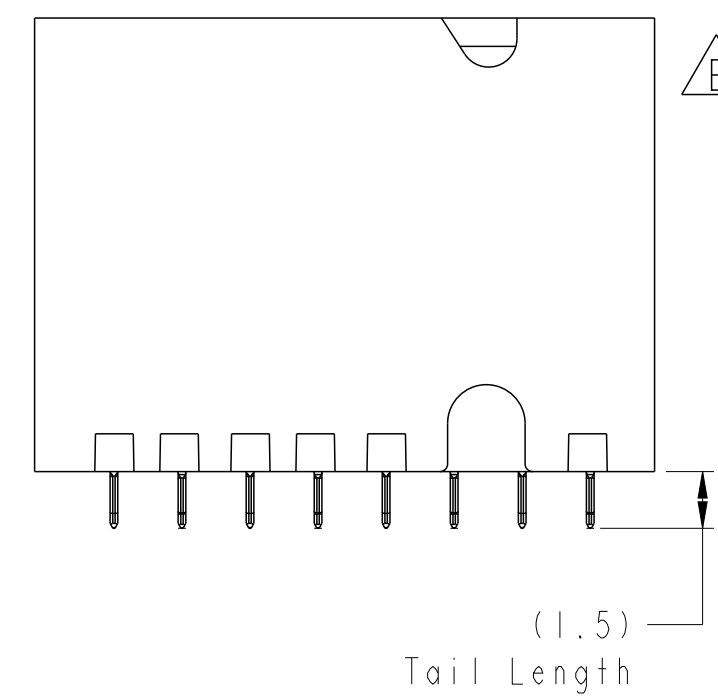
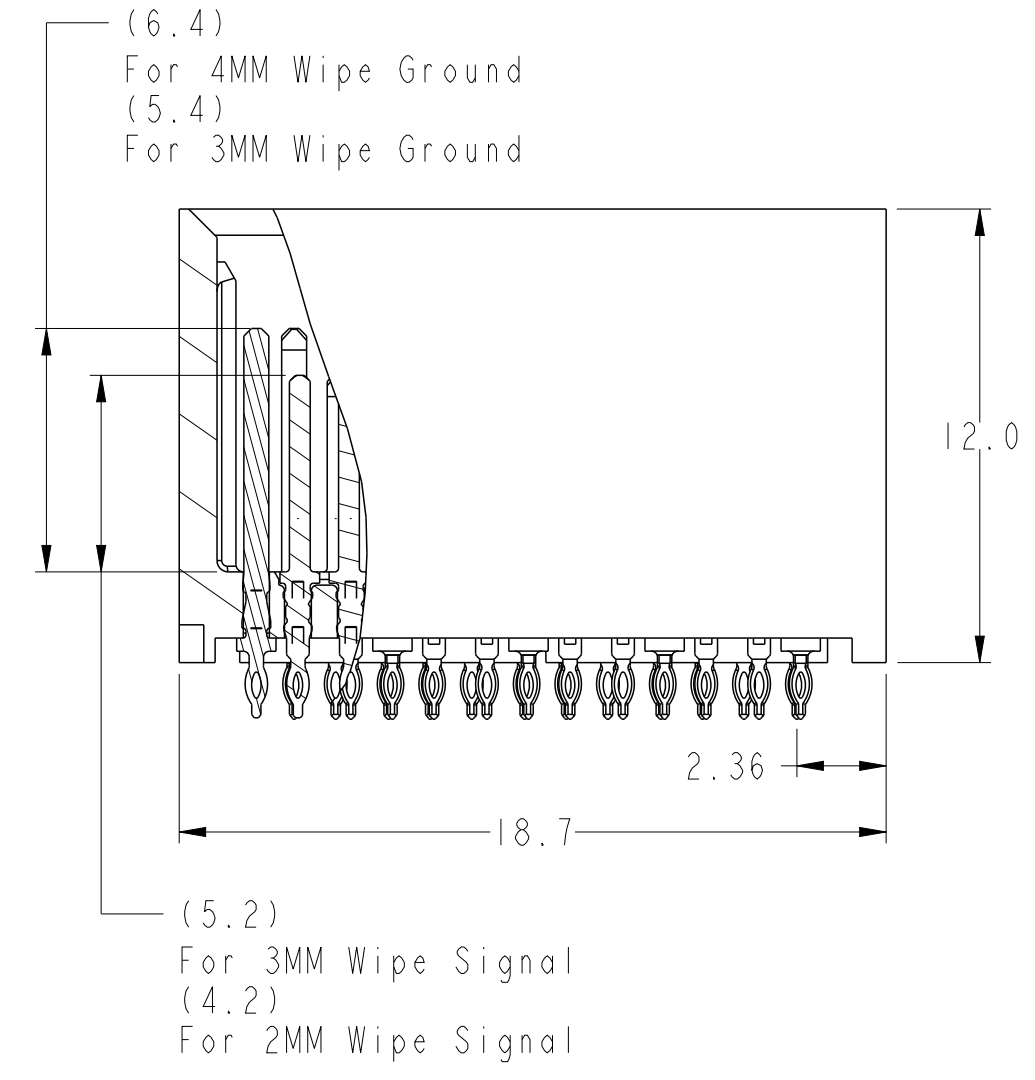
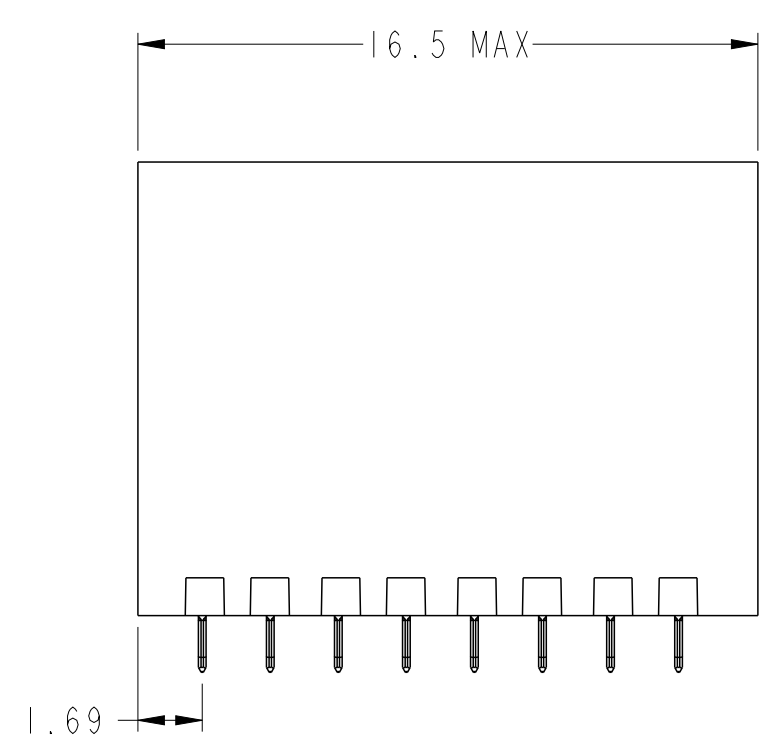
|               |                                       |         |               |                                |                |                                                               |          |               |                        |              |
|---------------|---------------------------------------|---------|---------------|--------------------------------|----------------|---------------------------------------------------------------|----------|---------------|------------------------|--------------|
| 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 |
| 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 | dwg no   | 10115091      | rev                    | E            |



FOUR WALL MODULE

BP HOLE PATTERN COMPONENT SIDE

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 | angular | 0° ±2°        | Amphenol FCI | www.fci.com    | title | MODULE ASSEMBLY, XCEDE HD<br>Veritcal Header, 4 Pair 8 Column | dwg no                 | 10115091     | E        |

# 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

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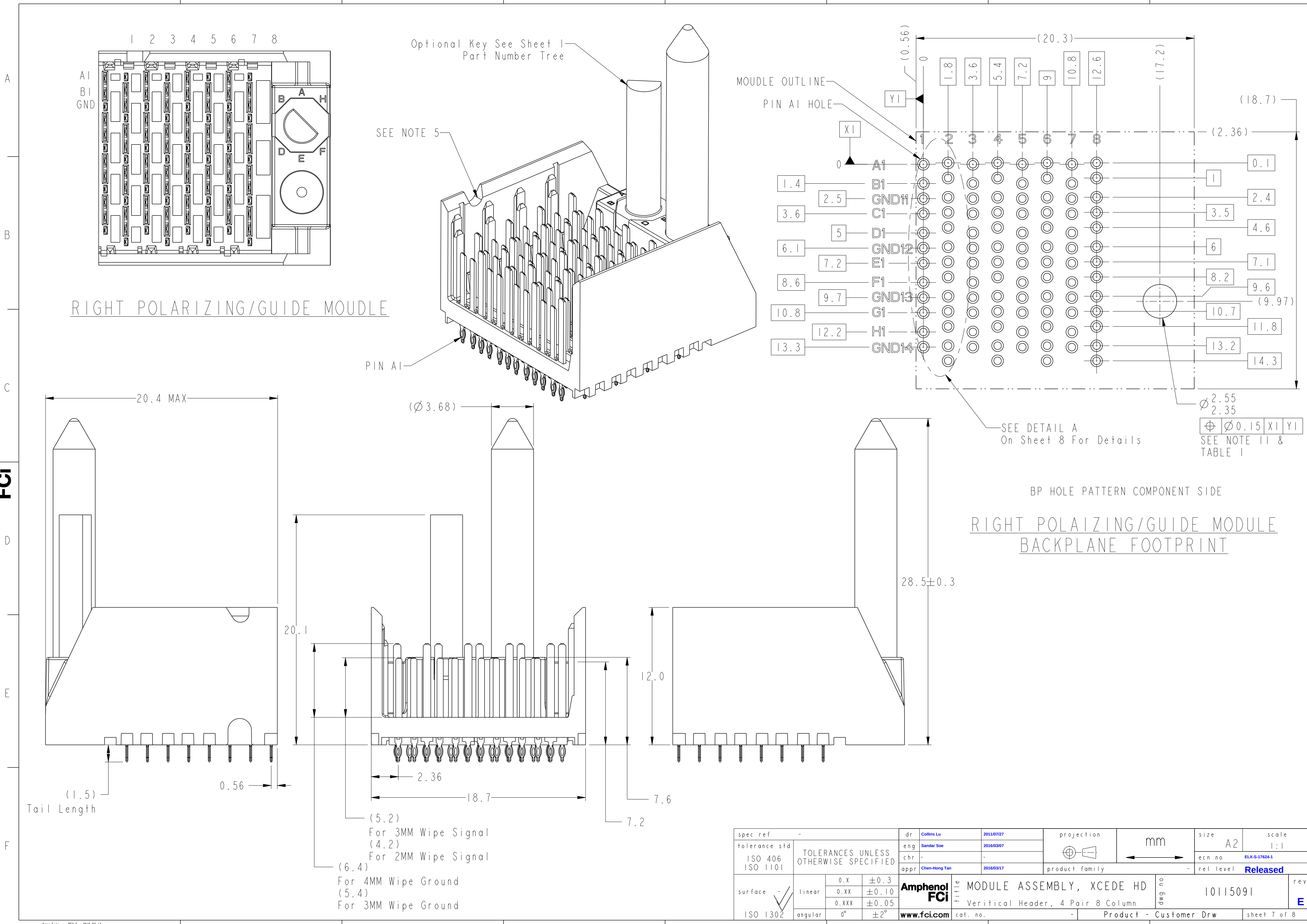
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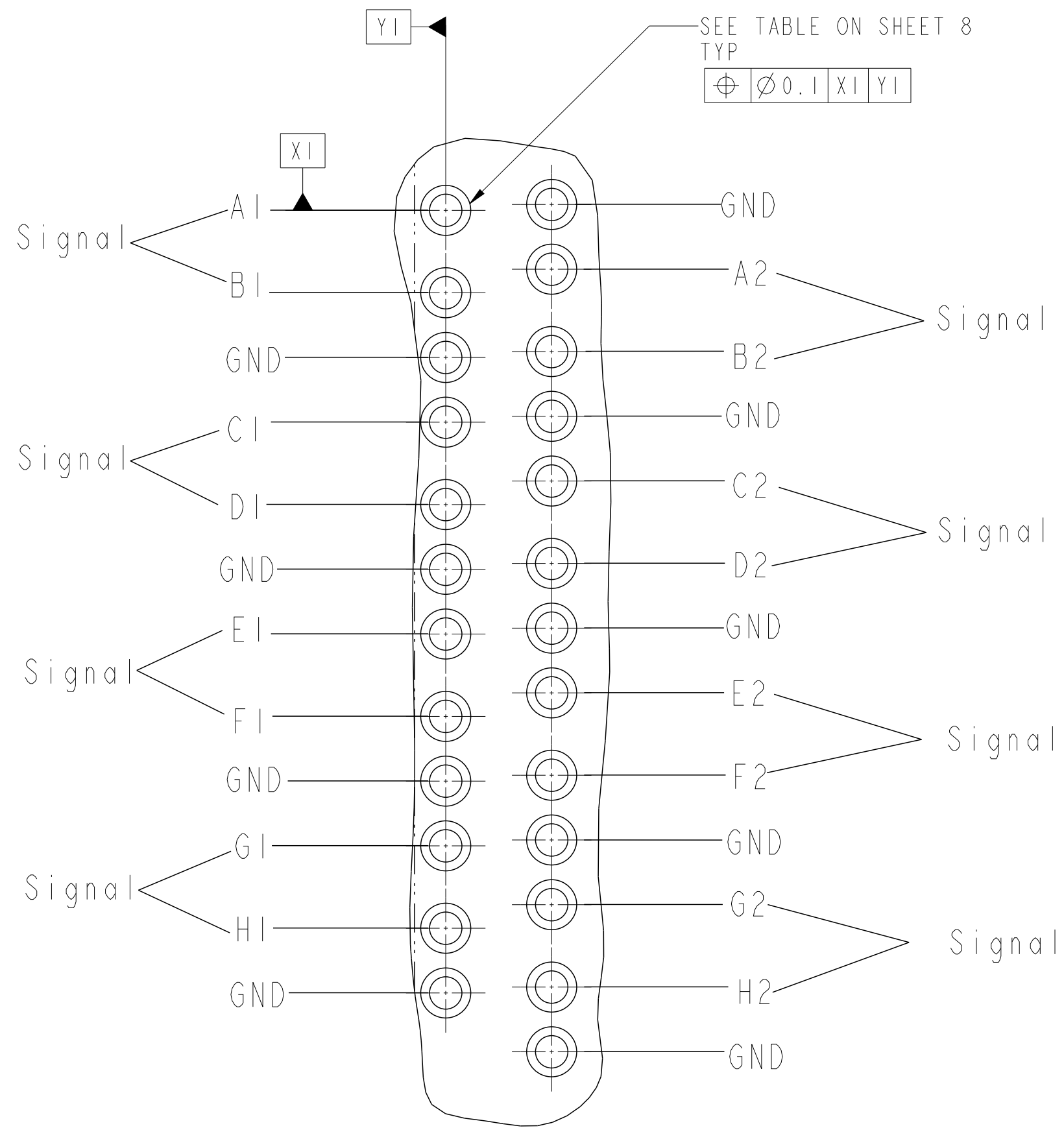
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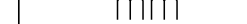




| TABLE 3 |                                                    |                                                    |
|---------|----------------------------------------------------|----------------------------------------------------|
|         | COMPLIANT PIN<br>DRILL $\varnothing 0.55[0.0217"]$ | 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                                                                                               |  |         |  | eng Sandar Soe                        |  | 2016/03/07 |  |  |  |  |  | ecn no    |  | ELX-S-17624-1 |  |     |  |             |  |          |  |   |  |                        |  |              |  |
| ISO 406<br>ISO 1101                                                                                         |  |         |  | chr -                                 |  | 2016/03/17 |  |                                                                                       |  |                                                                                       |  | rel level |  | Released      |  |     |  |             |  |          |  |   |  |                        |  |              |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                                                       |  |         |  | appr Chen-Hong Tan                    |  | 2016/03/17 |  | product family                                                                        |  |                                                                                       |  |           |  |               |  |     |  |             |  |          |  |   |  |                        |  |              |  |
|                                                                                                             |  |         |  | Amphenol FCI                          |  | title      |  | MODULE ASSEMBLY, XCEDE HD<br>Veritical Header, 4 Pair 8 Column                        |  |                                                                                       |  | dwg no    |  | 10115091      |  | rev |  |             |  |          |  |   |  |                        |  |              |  |
|                                                                                                             |  |         |  |                                       |  |            |  |                                                                                       |  |                                                                                       |  |           |  |               |  |     |  | www.fci.com |  | cat. no. |  | - |  | Product - Customer Drw |  | sheet 8 of 8 |  |
|                                                                                                             |  |         |  |                                       |  |            |  |                                                                                       |  |                                                                                       |  |           |  |               |  |     |  |             |  |          |  |   |  |                        |  |              |  |
| surface - <br>ISO 1302 |  | linear  |  | 0.X ±0.3<br>0.XX ±0.10<br>0.XXX ±0.05 |  |            |  |                                                                                       |  |                                                                                       |  |           |  |               |  |     |  |             |  |          |  |   |  |                        |  |              |  |
|                                                                                                             |  | angular |  | 0° ±2°                                |  |            |  |                                                                                       |  |                                                                                       |  |           |  |               |  |     |  |             |  |          |  |   |  |                        |  |              |  |
|                                                                                                             |  |         |  |                                       |  |            |  |                                                                                       |  |                                                                                       |  |           |  |               |  |     |  |             |  |          |  |   |  |                        |  |              |  |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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.



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