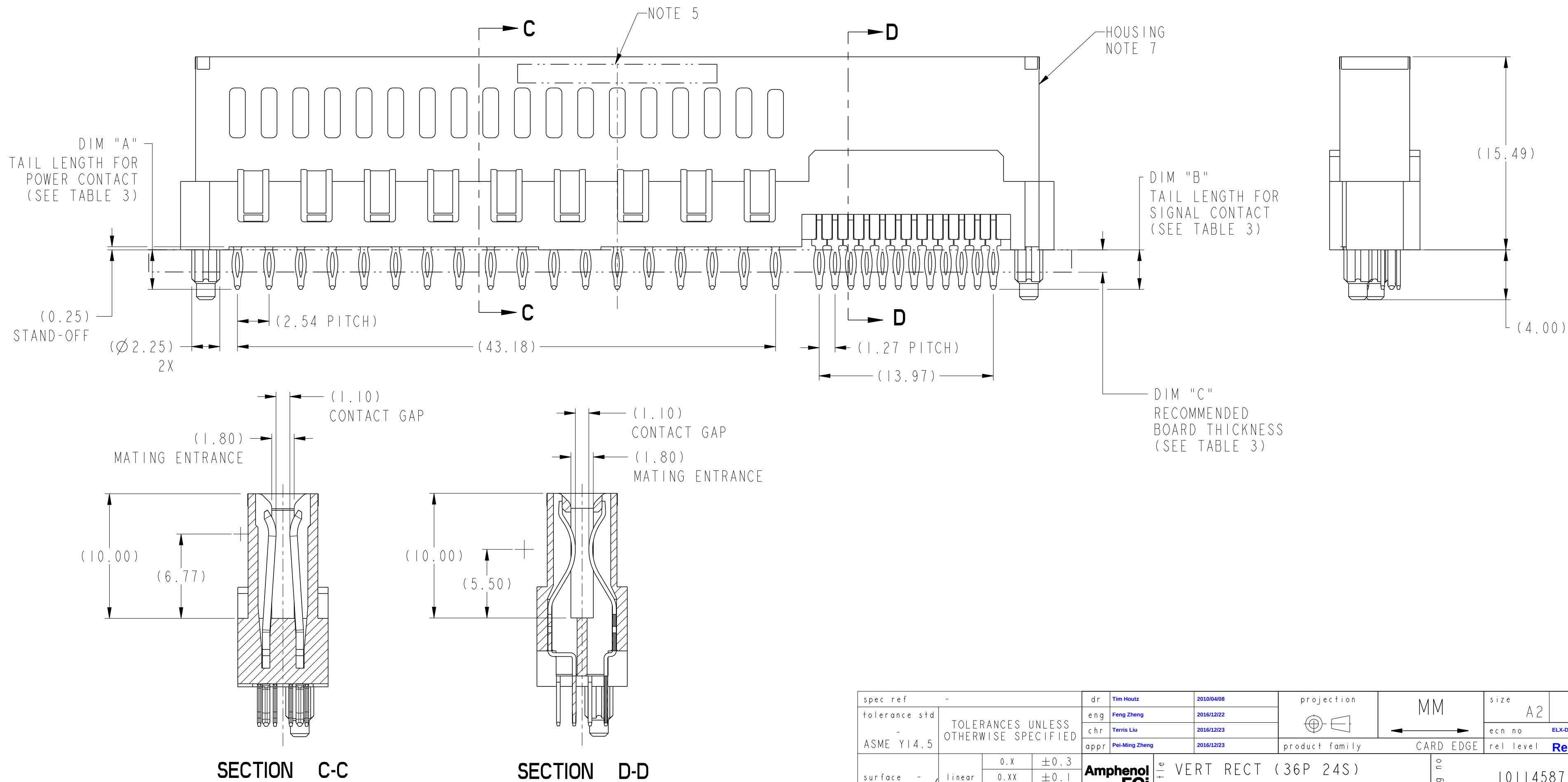
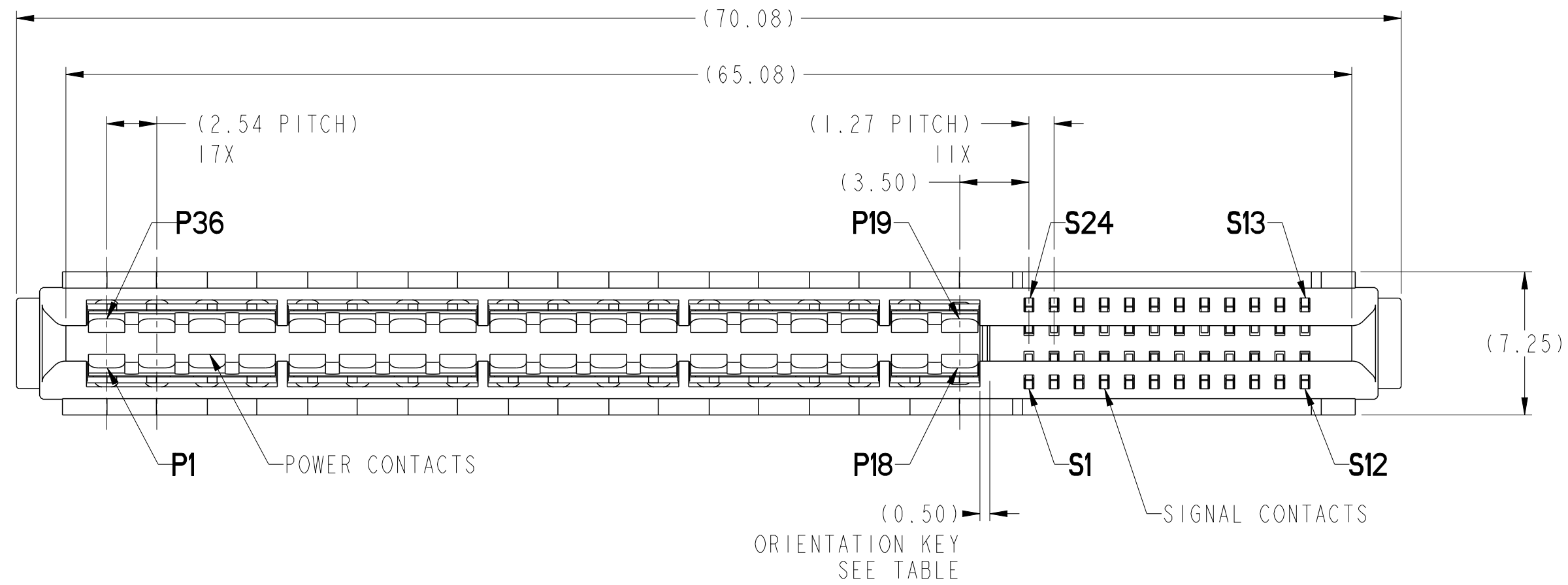
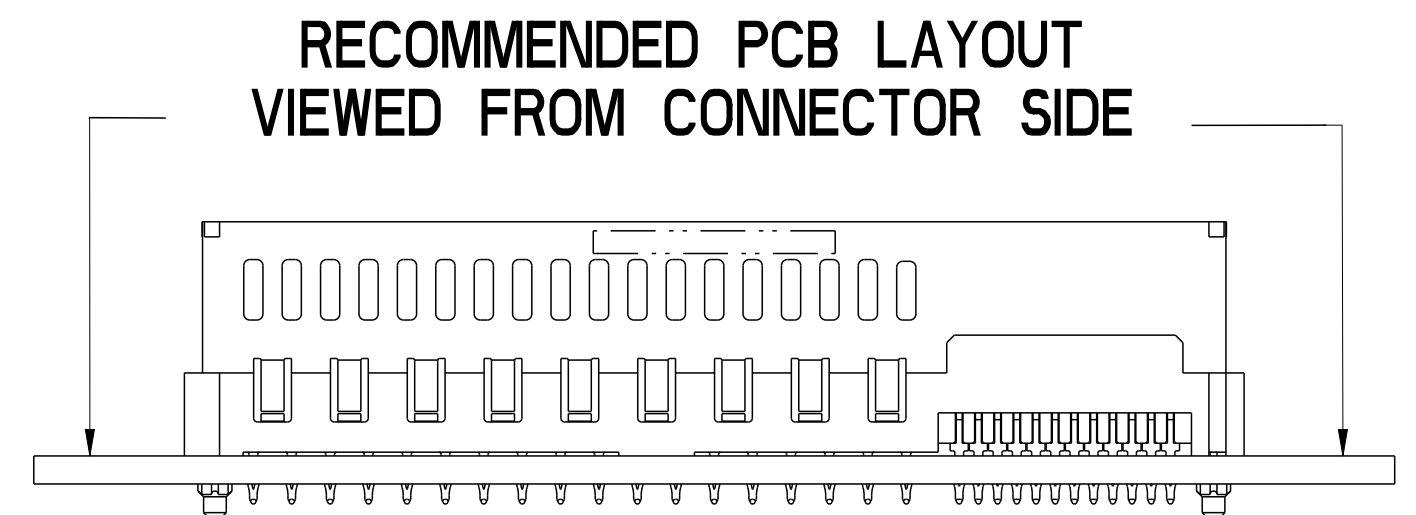
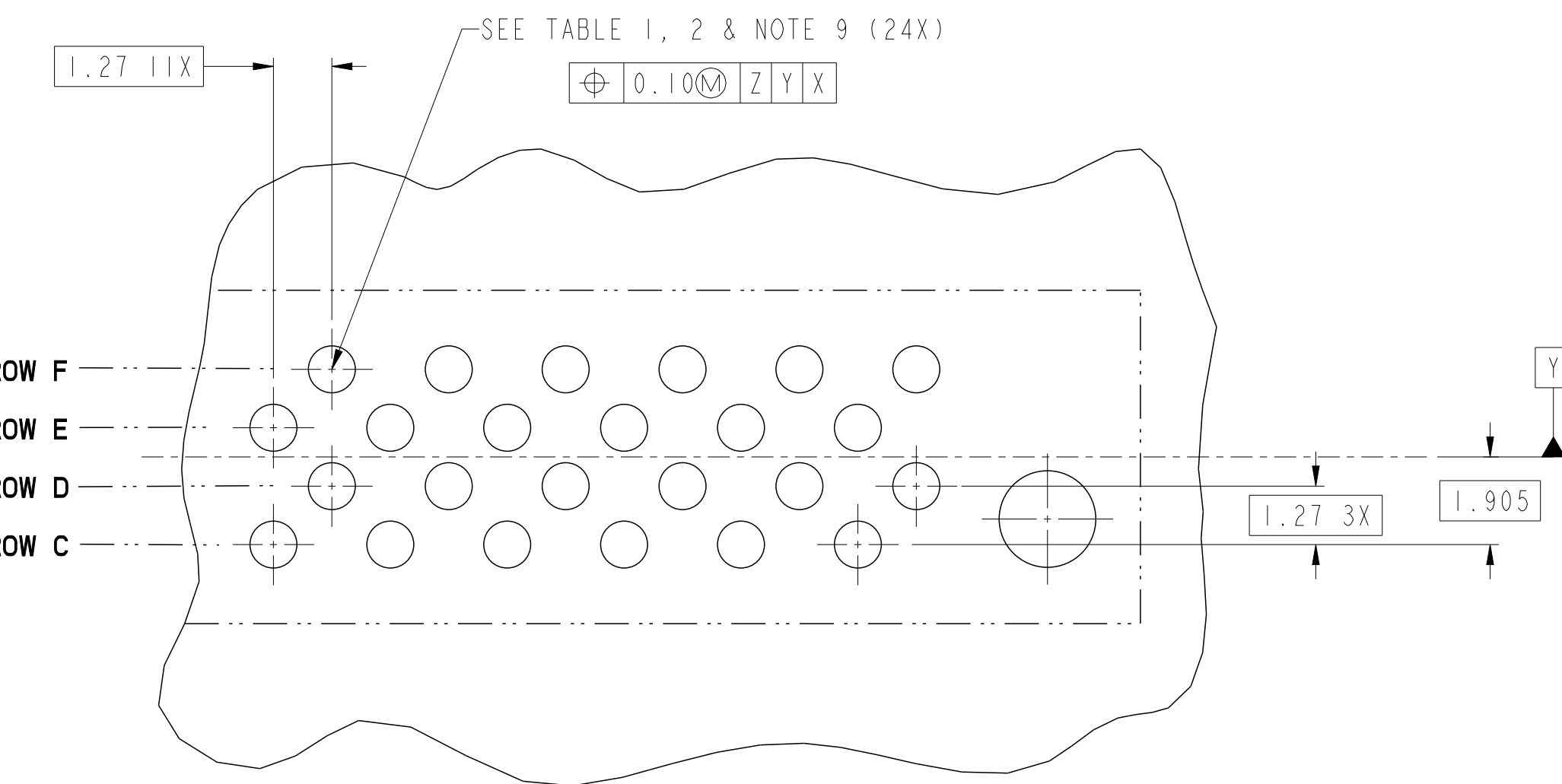


A  
B  
C  
D  
E  
F

SECTION C-C

SECTION D-D

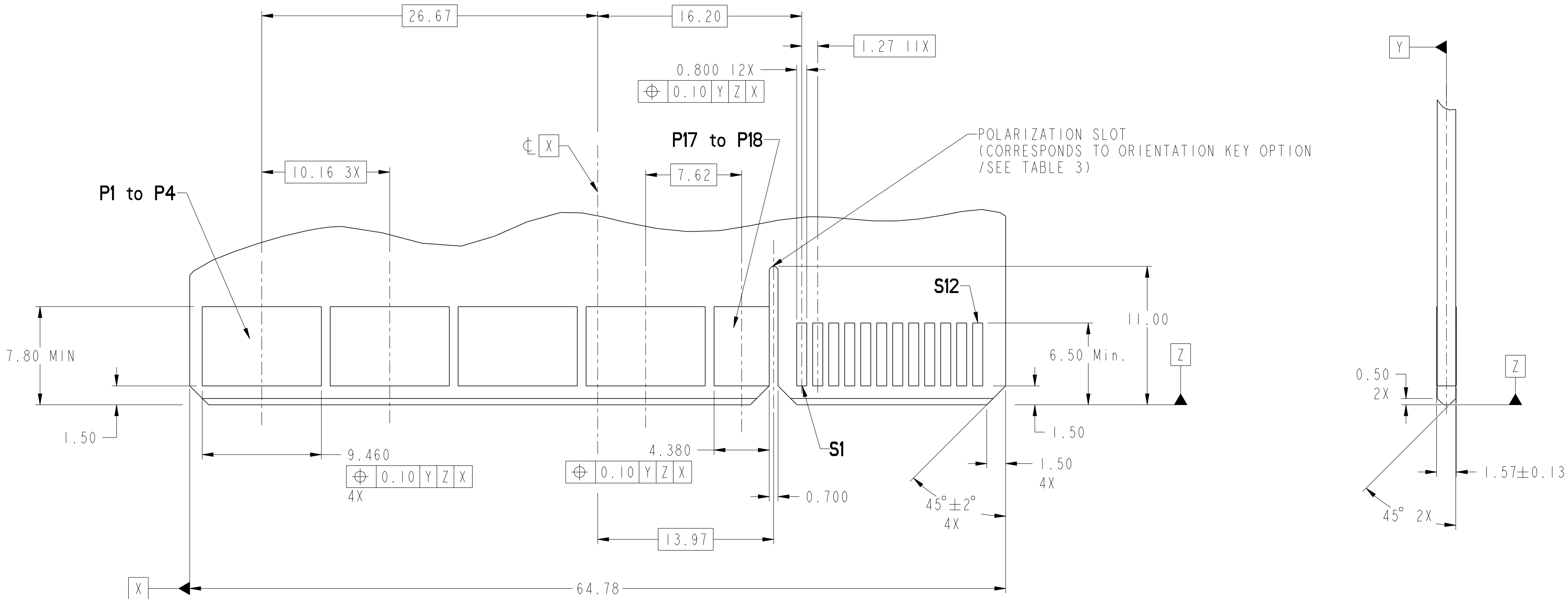
|                 |  |                                       |  |                |  |                                                                                       |  |                                                                                       |  |                       |  |                    |  |
|-----------------|--|---------------------------------------|--|----------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------------|--|--------------------|--|
| spec ref -      |  | dr Tim Houtz                          |  | 2010/04/08     |  | projection                                                                            |  | MM                                                                                    |  | size A2               |  | scale 4:1          |  |
| tolerance std - |  | eng Feng Zheng                        |  | 2016/12/22     |  |  |  |  |  | ecn no ELX-DG-25730-1 |  | rel level Released |  |
| ASME Y14.5      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr Terris Liu |  |                                                                                       |  |                                                                                       |  |                       |  |                    |  |
|                 |  | appr Pei-Ming Zheng                   |  | 2016/12/23     |  | product family                                                                        |  | CARD EDGE                                                                             |  |                       |  |                    |  |
| surface -       |  | linear                                |  | Amphenol FCI   |  | title VERT RECT (36P 24S)                                                             |  | dwg no 10114587                                                                       |  | rev C                 |  |                    |  |
|                 |  | 0.X ±0.3                              |  |                |  |                                                                                       |  |                                                                                       |  |                       |  |                    |  |
|                 |  | 0.XX ±0.1                             |  |                |  |                                                                                       |  |                                                                                       |  |                       |  |                    |  |
| ASME Y14.5      |  | 0.XXX ±0.05                           |  | www.fci.com    |  | cat. no. -                                                                            |  | Product - Customer Drw                                                                |  | sheet 1 of 4          |  |                    |  |
|                 |  | angular 0° ±2°                        |  |                |  |                                                                                       |  |                                                                                       |  |                       |  |                    |  |



|                               |  |                                       |  |                                      |  |                |  |                |  |                                                   |  |                       |  |           |  |
|-------------------------------|--|---------------------------------------|--|--------------------------------------|--|----------------|--|----------------|--|---------------------------------------------------|--|-----------------------|--|-----------|--|
| spec ref -                    |  | dr Tim Houtz                          |  | 2010/04/08                           |  | projection     |  |                |  | MM                                                |  | size A2               |  | scale 4:1 |  |
| tolerance std -<br>ASME Y14.5 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng Feng Zheng                       |  | 2016/12/22     |  |                |  |                                                   |  | ecn no ELX-DG-25730-1 |  |           |  |
|                               |  |                                       |  | chr Terris Liu                       |  | 2016/12/23     |  |                |  |                                                   |  | rel level Released    |  |           |  |
|                               |  |                                       |  | appr Pei-Ming Zheng                  |  | 2016/12/23     |  | product family |  | CARD EDGE                                         |  |                       |  |           |  |
| surface - ✓<br>ASME Y14.5     |  | linear                                |  | 0.X ±0.3<br>0.XX ±0.1<br>0.XXX ±0.05 |  | angular 0° ±2° |  | Amphenol FCI   |  | title VERT RECT (36P 24S)<br>HIGH POWER CARD EDGE |  | dwg no 10114587       |  | rev C     |  |
|                               |  |                                       |  | www.fci.com                          |  | cat. no.       |  | -              |  | Product - Customer Drw                            |  | sheet 2 of 4          |  |           |  |

| CONTACT TYPE   | TOP LAYER DESCRIPTION | TABLE 1 (HPCE / SOLDER TAILS)<br>PLATED THROUGH-HOLE REQUIREMENTS |                  |                    |               |                        |
|----------------|-----------------------|-------------------------------------------------------------------|------------------|--------------------|---------------|------------------------|
|                |                       | DRILLED HOLE DIAMETER                                             | COPPER THICKNESS | TIN-LEAD THICKNESS | TIN THICKNESS | FINISHED HOLE DIAMETER |
| POWER & SIGNAL | TIN-LEAD              | 1.10-1.16 (1.15 DRILL)                                            | 0.025 - 0.050    | 0.005 - 0.015      | --            | 0.94 - 1.10            |
|                | IMMERSION TIN         | 1.10-1.16 (1.15 DRILL)                                            | 0.025 - 0.050    | --                 | 0.9 - 1.5um   | 0.94 - 1.10            |
|                | COPPER (SEE NOTE 8)   | 1.10-1.16 (1.15 DRILL)                                            | 0.025 - 0.050    | --                 | --            | 0.94 - 1.10            |

| CONTACT TYPE   | TOP LAYER DESCRIPTION | TABLE 2 (HPCE / PRESS-FIT TAILS)<br>PLATED THROUGH-HOLE REQUIREMENTS |                  |                    |               |                        |
|----------------|-----------------------|----------------------------------------------------------------------|------------------|--------------------|---------------|------------------------|
|                |                       | DRILLED HOLE DIAMETER                                                | COPPER THICKNESS | TIN-LEAD THICKNESS | TIN THICKNESS | FINISHED HOLE DIAMETER |
| POWER & SIGNAL | TIN-LEAD              | 0.81-0.86 (0.85 DRILL)                                               | 0.025 - 0.050    | 0.005 - 0.015      | --            | 0.65 - 0.80            |
|                | IMMERSION TIN         | 0.81-0.86 (0.85 DRILL)                                               | 0.025 - 0.050    | --                 | 0.9 - 1.5um   | 0.70 - 0.80            |
|                | COPPER (SEE NOTE 8)   | 0.81-0.86 (0.85 DRILL)                                               | 0.025 - 0.050    | --                 | --            | 0.70 - 0.80            |



RECOMMENDED MATING BOARD  
FOOTPRINT

|                         |                                                      |            |                                                                                       |                                 |           |                |              |                 |
|-------------------------|------------------------------------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------|-----------|----------------|--------------|-----------------|
| dr                      | Tim Houtz                                            | 2010/04/08 | projection                                                                            | <div>MM</div> <div>←————→</div> | size      | A2             | scale        | 4:1             |
| eng                     | Feng Zheng                                           | 2016/12/22 |  |                                 | ecn no    | ELX-DG-25730-1 |              |                 |
| chr                     | Terris Liu                                           | 2016/12/23 |                                                                                       |                                 | rel level | Released       |              |                 |
| appr                    | Pei-Ming Zheng                                       | 2016/12/23 | product family                                                                        | CARD EDGE                       |           |                |              |                 |
| <b>Amphenol<br/>FCI</b> | title<br>VERT RECT (36P 24S)<br>HIGH POWER CARD EDGE |            |                                                                                       | dwg no                          | 10114587  |                |              | rev<br><b>C</b> |
|                         |                                                      |            |                                                                                       |                                 |           |                |              |                 |
| www.fci.com             | cat. no.                                             |            | -                                                                                     | Product - Customer Drw          |           |                | sheet 3 of 4 |                 |

1

2

3

4

5

6

7

8

| HPCE PART NUMBER (TABLE 3)                                                                       |           |                 |                             |                             |                                     |
|--------------------------------------------------------------------------------------------------|-----------|-----------------|-----------------------------|-----------------------------|-------------------------------------|
| PART NUMBER                                                                                      | TAIL TYPE | ORIENTATION KEY | DIM "A" TYPICAL TAIL LENGTH | DIM "B" TYPICAL TAIL LENGTH | DIM "C" RECOMMENDED BOARD THICKNESS |
| 10114587-001LF                                                                                   | SOLDER    | YES             | 3.17 ±0.25                  | 3.17 ±0.25                  | 1.59 - 2.38                         |
| 10114587-002LF                                                                                   | SOLDER    | NO              |                             |                             |                                     |
| 10114587-003                                                                                     | PRESS-FIT | YES             | 3.17 ±0.25                  | 3.17 ±0.25                  | 1.57 MIN                            |
| 10114587-003LF                                                                                   | PRESS-FIT | YES             |                             |                             |                                     |
| 10114587-004                                                                                     | PRESS-FIT | NO              |                             |                             |                                     |
| 10114587-004LF                                                                                   | PRESS-FIT | NO              |                             |                             |                                     |
| 10114587-005LF  | SOLDER    | YES             | 4.05 ±0.25                  | 3.75 ±0.25                  | 3.20±0.18                           |
| 10114587-006LF  | SOLDER    | NO              |                             |                             |                                     |

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK

UL 94V-0 COMPLIANT

CONTACTS: HIGH PERFORMANCE COPPER ALLOY.

2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.

3. PRODUCT SPECIFICATION: GS-12-604.

4. APPLICATION SPECIFICATION: GS-20-128.

5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.

6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.

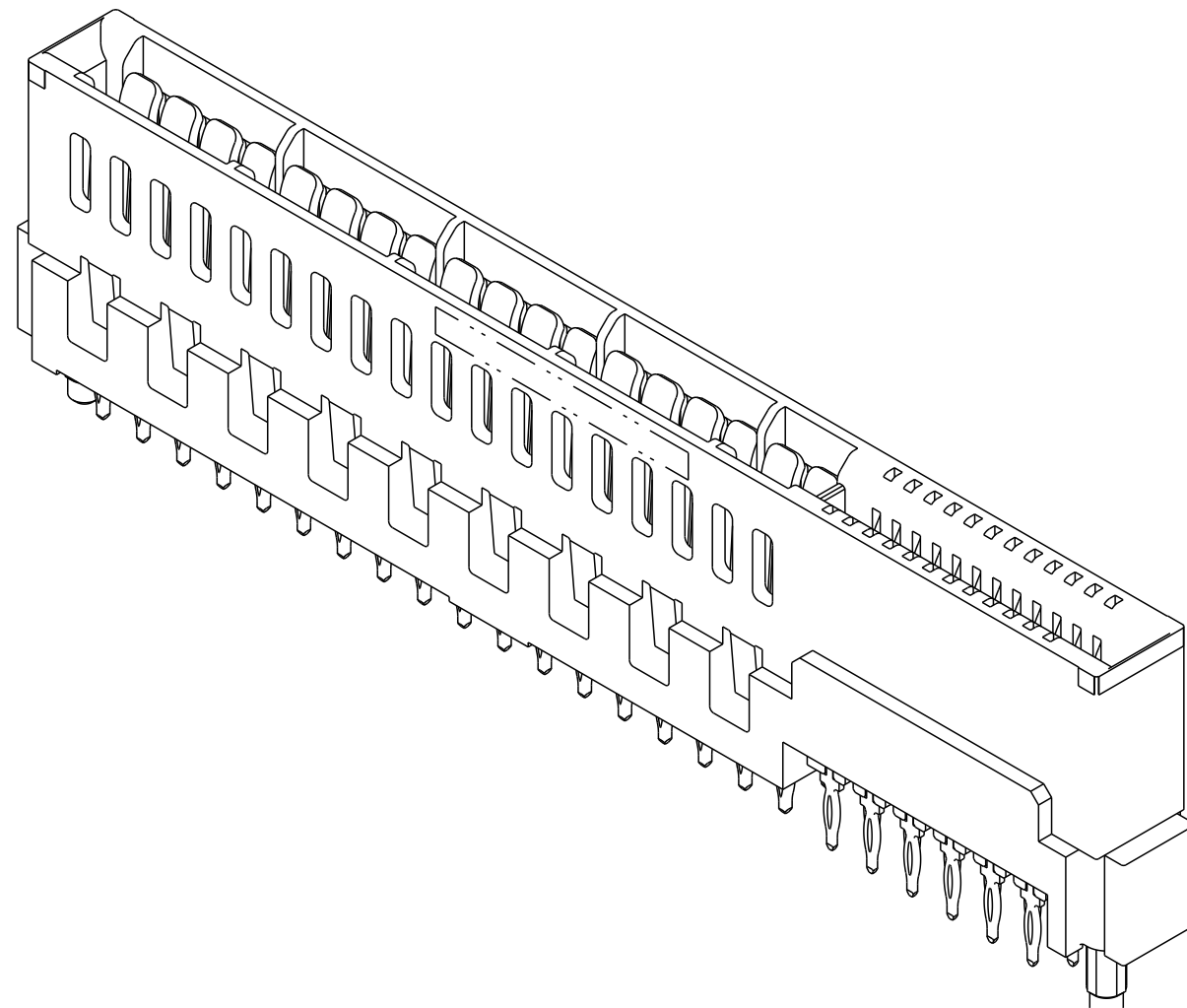
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

10. MOUNTING HOLES ARE UNPLATED  
Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS  
Ø 2.10 +/- 0.1 FOR SOLDER TAILS

11. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



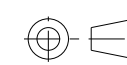
drTim Houtz2010/04/08

engFeng Zheng2016/12/22

chrTerris Liu2016/12/23

apprPei-Ming Zheng2016/12/23

projection

MM

←→

sizeA2

scale4:1

ecn noELX-DG-25730-1

rel levelReleased

product familyCARD EDGE

Amphenol FCI

www.fci.com

titleVERT RECT (36P 24S)  
HIGH POWER CARD EDGE

dwg no10114587

revC

cat. no.-

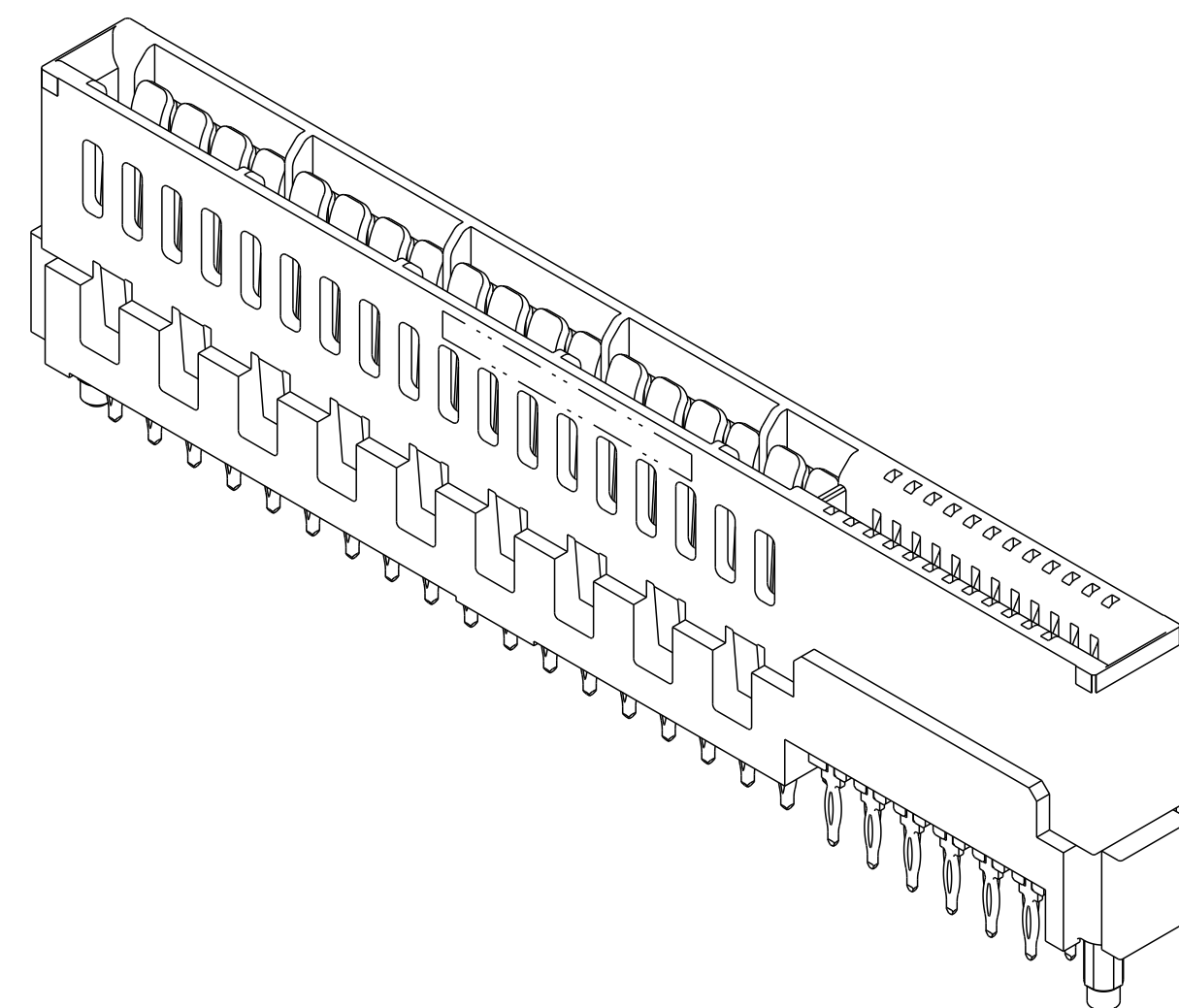
Product - Customer Drw

sheet 4 of 4

PDS: Rev :C

STATUS:Released

Printed: Dec 23, 2016



## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9