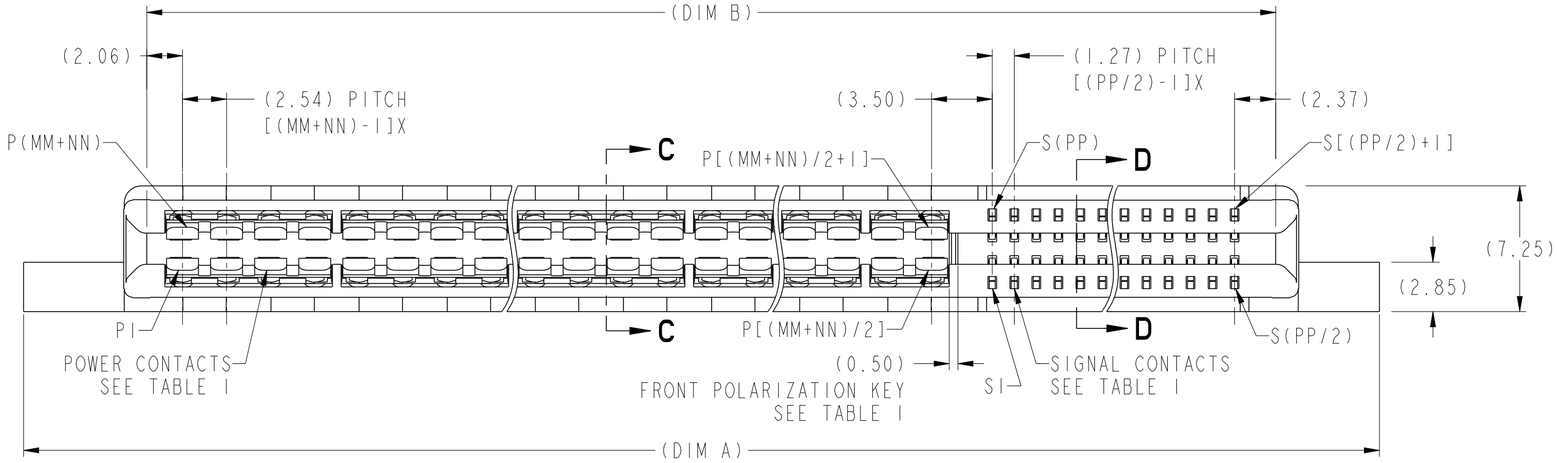
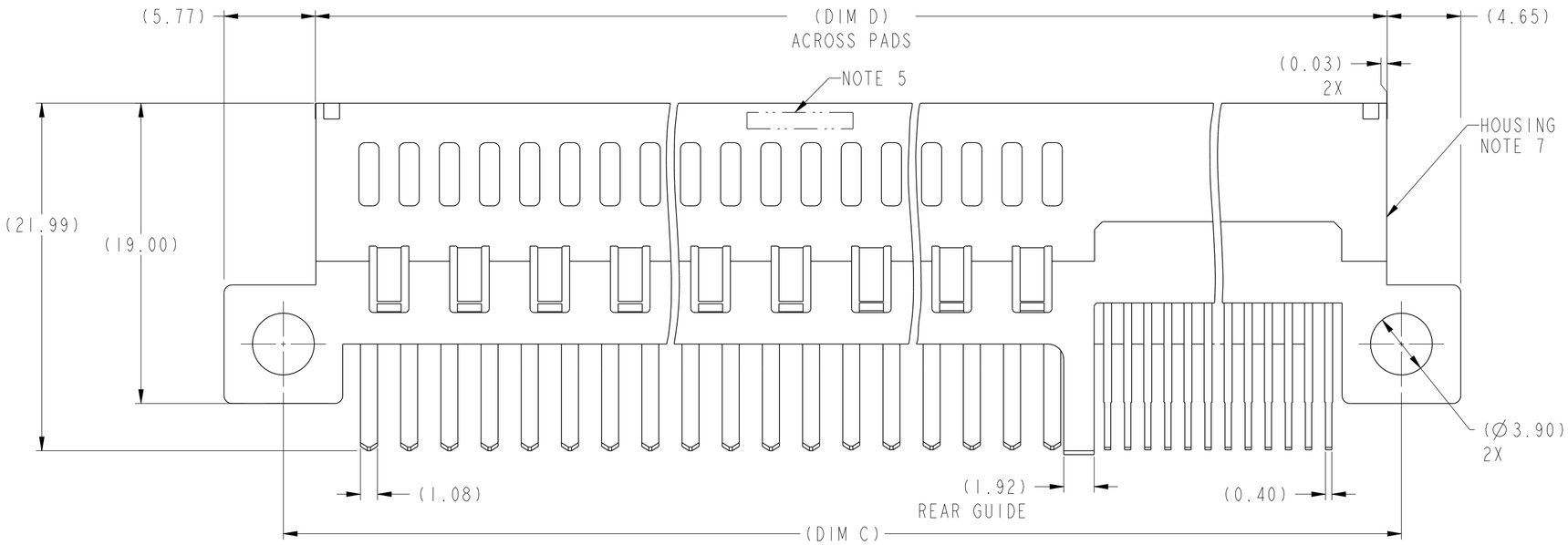
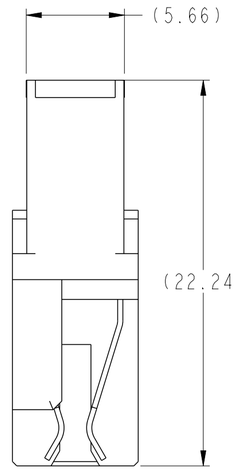
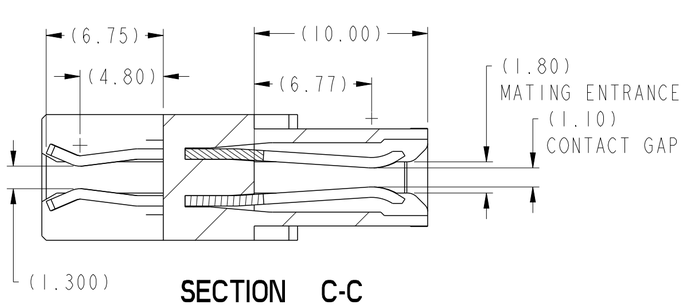
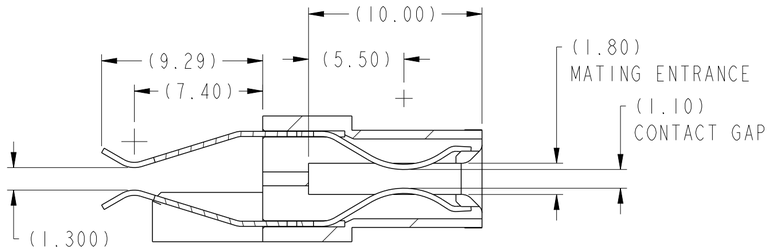



SECTION C-C




SECTION D-D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| spec ref - | | | | dr | Wei-Long Zhang | 2012/08/09 | projection | MM |
| tolerance std - ASME Y14.5 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Sunny2 Liu | 2016/05/06 | | size A2 / scale 4:1 |
| | | | | chr | Terris Liu | 2016/05/20 | | ecn no ELX-DG-24036-1 |
| | | | | appr | Pei-Ming Zheng | 2016/05/24 | product family CARD EDGE | rel level Released |
| surface - ASME Y14.5 | linear | 0.X | ±0.3 | Amphenol FCi | title: STD STRADDLE MT HIGH POWER CARD EDGE - UNIVERSAL | | dwg no 10122237 | rev B |
| | | 0.XX | ±0.1 | | | | | |
| | | 0.XXX | ±0.05 | | | | | |
| | angular | 0° | ±-° | | cat. no. - | Product - Customer Drw | | sheet 1 of 4 |

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DIM E
SEE NOTE 9

0.470
(MM/8)X

10.16
(MM/8-1)X

5.08
(NN/4-1)X

1.27
(PP/2-1)X

4.60

SOLDER MASK

Ø3.700
| ⌖ | 0.10 | Y | Z | X |
2X
(REF-M3 SCREW RECOMMENDED)

P[(MM+NN)-3]
to P(MM+NN)

S(PP)

S(PP/2+1)

10.50 MIN

7.00

0.50

R1.25
2X

6.35 MIN
TYP

8.04

3.60 2X

0.50

45° x 0.25 CHAMFER
BOTH SIDES

P[(MM+NN)+1] &
P[(MM+NN)+2]

45° x 0.5 CHAMFER
2X

4.380
| ⌖ | 0.10 | Y | Z | X |
(NN/4)X

0.800
| ⌖ | 0.10 | Y | Z | X |
(PP/2)X

45° X 1.00
2X

(3.25) 2X

9.22
SEE NOTE 9

1.070
| ⌖ | 0.10 | Y | Z | X |
SEE TABLE I

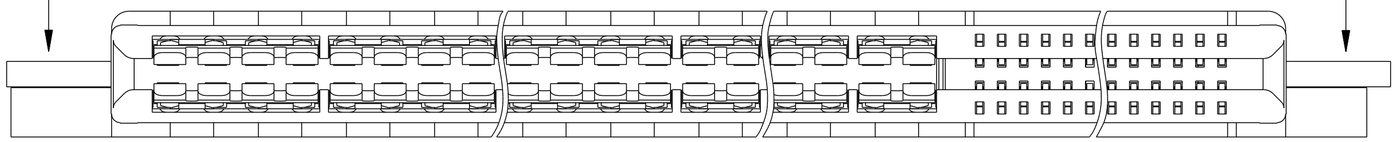
1.81

1.57±0.13
INCLUDES PAD THICKNESS

9.460
| ⌖ | 0.10 | Y | Z | X |
(MM/8)X

DIM C

## RECOMMENDED HOST BOARD LAYOUT
## AS VIEWED



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| spec ref | - | | | dr | Wei-Long Zhang | 2012/08/09 | projection | MM | size A2 | scale 2:1 |
| tolerance std - ASME Y14.5 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Sunny2 Liu | 2016/05/06 | | | | |
| | | | | chr | Terris Liu | 2016/05/20 | | | ecn no | ELX-DG-24036-1 |
| | | | | appr | Pei-Ming Zheng | 2016/05/24 | product family - | | rel level | Released |
| surface - ASME Y14.5 | linear | 0.X | ±0.3 | Amphenol FCi | title | STD STRADDLE MT HIGH POWER CARD EDGE - UNIVERSAL | | | dwg no 10122237 | rev B |
| | | 0.XX | ±0.1 | | | | | | | |
| | | 0.XXX | ±0.05 | | | | | | | |
| | angular | 0° | ±-° | | cat. no. - | | Product - Customer Drw | | sheet 2 of 4 | |

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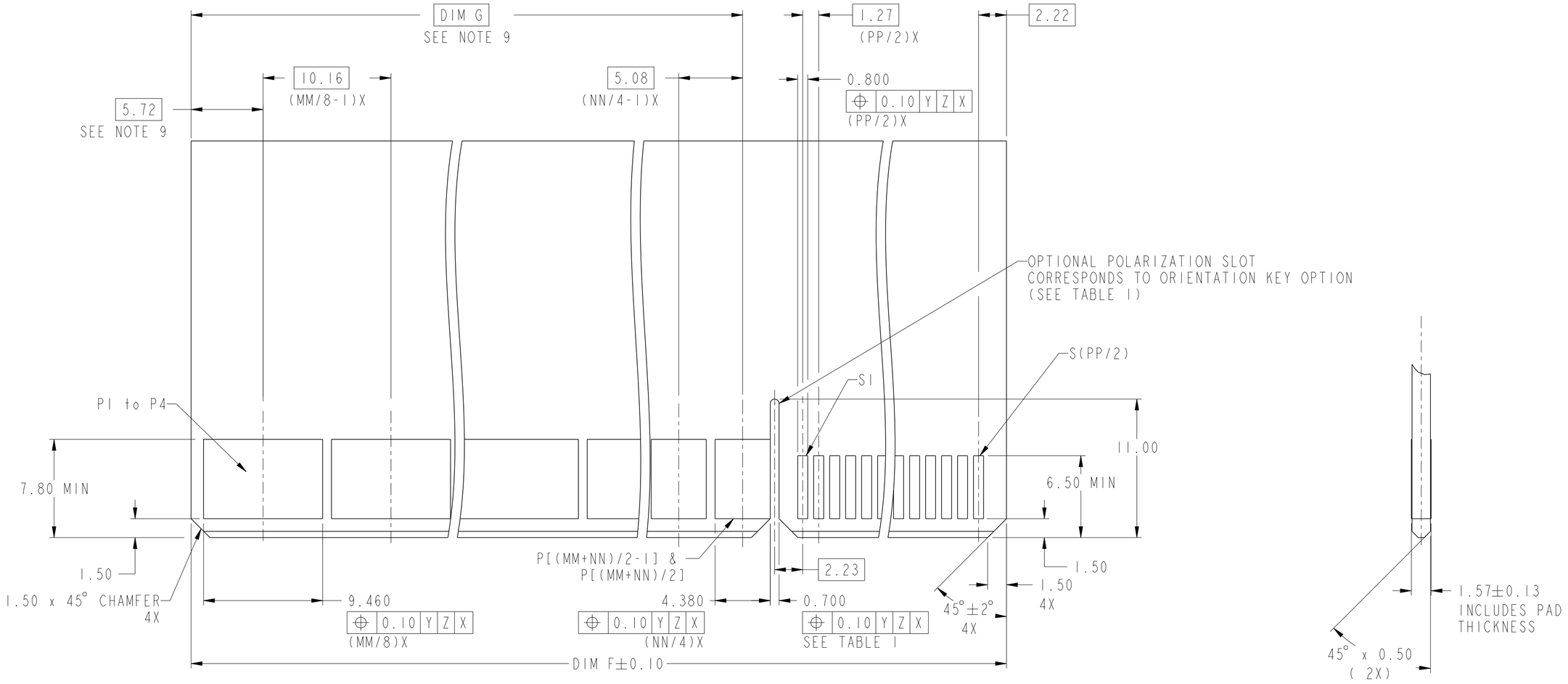


# RECOMMENDED MATING BOARD FOOTPRINT

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref - | | | dr | Wei-Long Zhang | 2012/08/09 | projection | MM |
| tolerance std - ASME Y14.5 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Sunny2 Liu | 2016/05/06 | size A2 | scale 1:1 |
| | | | chr | Terris Liu | 2016/05/20 | ecn no ELX-DG-24036-1 | |
| | | | appr | Pei-Ming Zheng | 2016/05/24 | product family - | rel level Released |
| surface - ASME Y14.5 | linear | 0.X ±0.3 | Amphenol FCi | title | STD STRADDLE MT | dwg no 10122237 | rev B |
| | | 0.XX ±0.1 | | | HIGH POWER CARD EDGE - UNIVERSAL | | |
| | | 0.XXX ±0.05 | | | | | |
| | angular | 0° ±-° | | | cat. no. - | Product - Customer Drw | sheet 3 of 4 |

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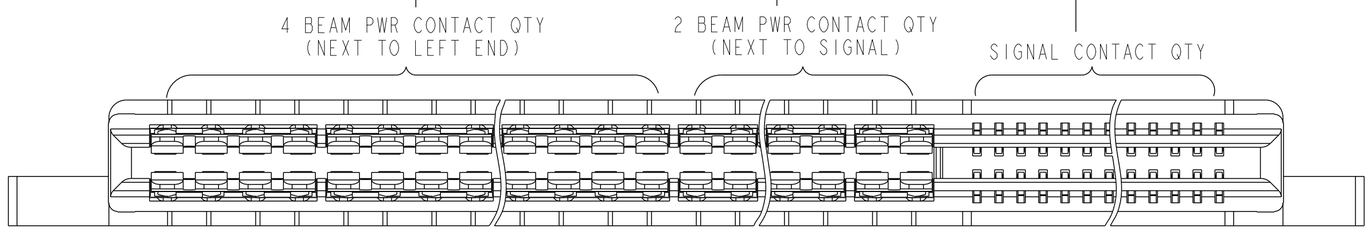
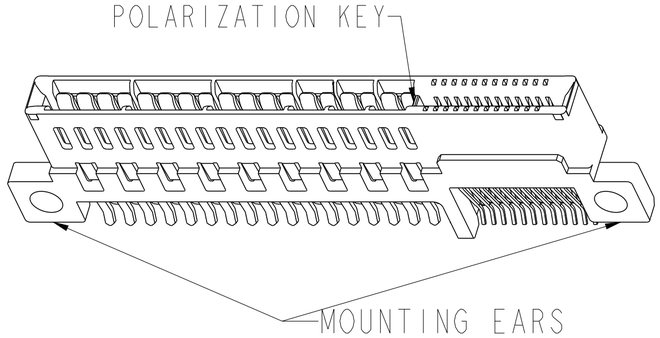
# 10122237 - MM NN PP _ LF

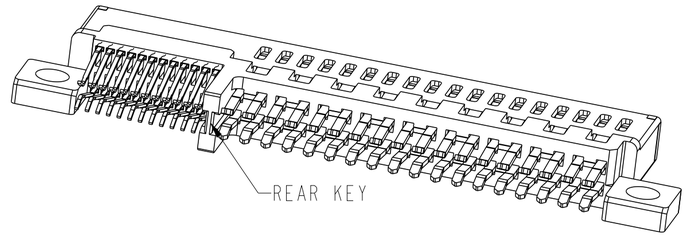
LEAD FREE

| | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| MOUNTING EARS | Y | Y | Y | N | N | N | Y | N |
| POLARIZATION KEY | Y | N | N | Y | N | N | Y | Y |
| REAR KEY | Y | Y | N | Y | Y | N | N | N |




Example: The configuration above is 10122237-241224ALF
STD STRADDLE MT 36P24S with MOUNTING EARS, POLARIZATION KEY and REAR KEY.
24P is 4 beam contacts, 12P is 2 beam contacts.




## TABLE 1: PART NUMBER CODE FOR STD HPCE MT P+S CONFIG

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. (B) PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.

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. MAXIUM OVERALL LENGTH IS 100mm.

9. DIM IS NOT APPLICABLE IF NO 4 BEAM CONTACT OR 2 BEAM CONTACT.

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

| DIM | TABLE 2. LENGTH FORMULAS |
|---|---|
| DIM A (8) | (MM + NN) / 2 x 2.54 + (PP / 2) x 1.27 + 17.2 |
| DIM B | DIM A - 13.08 |
| DIM C | DIM A - 7.5 |
| DIM D | DIM A - 10.42 |
| DIM E (9) | (MM / 8 - 1) x 10.16 + (NN / 4 - 1) x 5.08 + 16.84 (WITH 4 BEAM CONTACT) |
| | 6.68 (WITHOUT 4 BEAM CONTACT) |
| DIM F | DIM A - 13.38 |
| DIM G (9) | (MM / 8 - 1) x 10.16 + (NN / 4 - 1) X 5.08 +13.34 (WITH 4 BEAM CONTACT) |
| | 3.18 (WITHOUT 4 BEAM CONTACT) |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | - | | dr | Wei-Long Zhang | 2012/08/09 | projection | MM |
| tolerance std - ASME Y14.5 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Sunny2 Liu | 2016/05/06 | | |
| | | | chr | Terris Liu | 2016/05/20 | | |
| | | | appr | Pei-Ming Zheng | 2016/05/24 | product family | CARD EDGE |
| surface - ASME Y14.5 | linear | 0.X ±0.3 | Amphenol FCi | title | STD STRADDLE MT HIGH POWER CARD EDGE - UNIVERSAL | dwg no | 10122237 |
| | | 0.XX ±0.1 | | | | | |
| | | 0.XXX ±0.05 | | | | | |
| | angular | 0° ±-° | | cat. no. | - | Product - Customer Drw | |

| size | scale | rev |
|---|---|---|
| A2 | 4:1 | B |

ecn no ELX-DG-24036-1
rel level **Released**
sheet 4 of 4

LifeElectronics
Живое партнерство

**ООО «ЛайфЭлектроникс»** **“LifeElectronics” LLC**

*ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703*

*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*

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- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
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- *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.*

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- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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*Конструкторский отдел помогает осуществить:*

- *Регистрацию проекта у производителя компонентов.*
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- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

*Тел: +7 (812) 336 43 04 (многоканальный)*
*Email: org@lifeelectronics.ru*

***www.lifeelectronics.ru***