

A

B

C

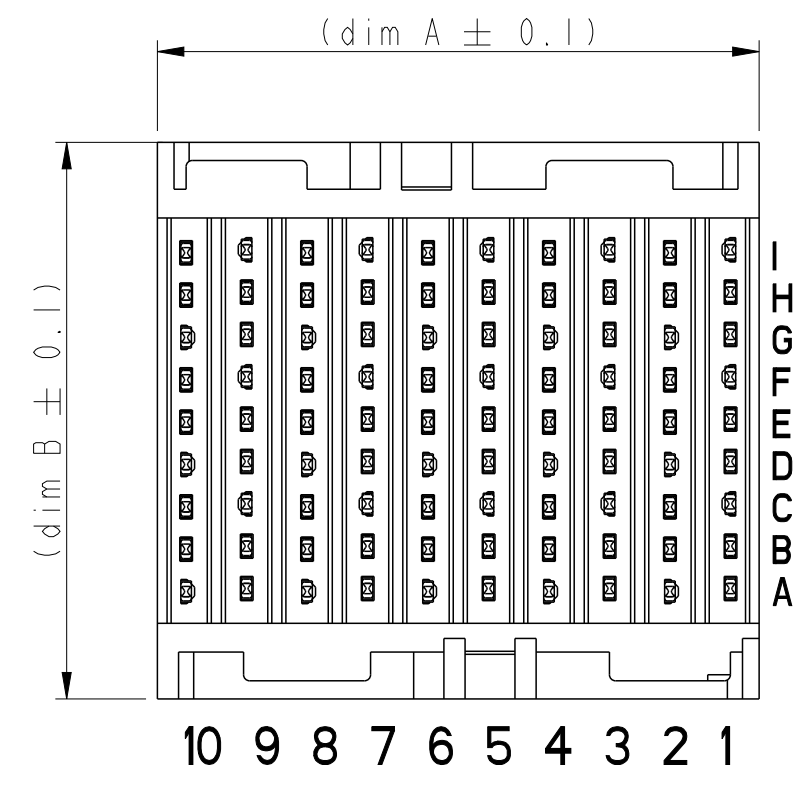
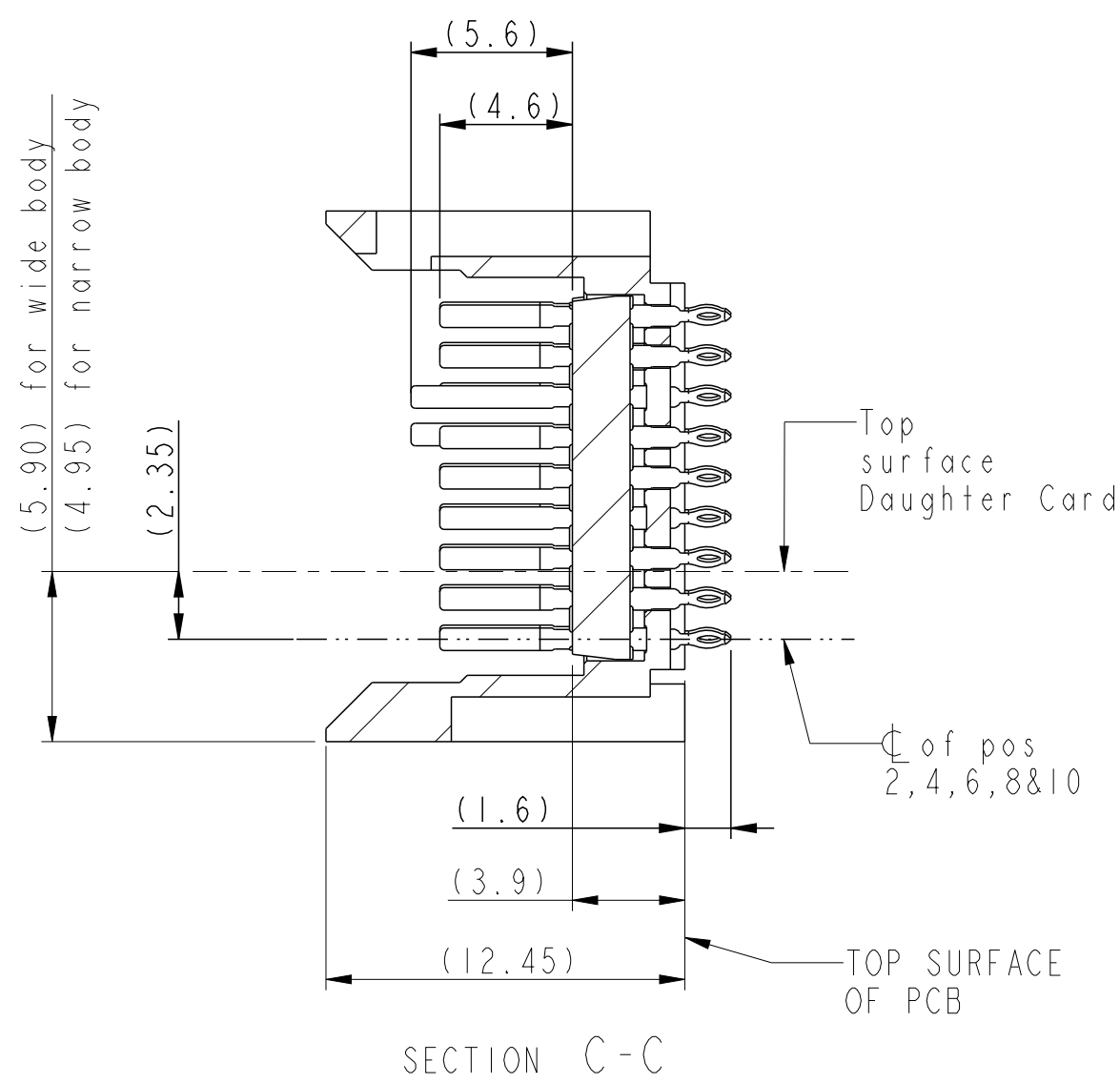
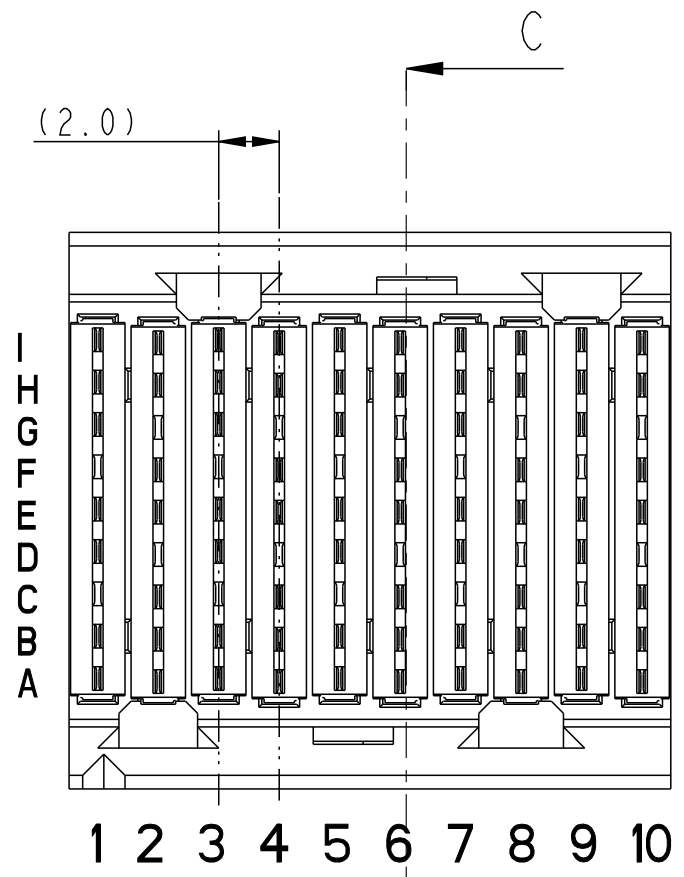
D

2

3

4

VIEWS WITHOUT PROTECTION COVER



Partnumber:  
10056103-IYZABC1 LF

X = PLATING  
I=TELCORDIA CO GAS (see note 2 sheet 5)

YZ = HOUSING TYPE  
01 = 2 wall narrow body  
04 = 4 wall narrow body  
05 = 2 wall wide body (STANDARD VISION)  
08 = 4 wall wide body

ABC = PIN LAYOUT  
001 = standard layout (no detect pin)  
xxx = other versions see sheet 2

LF = Lead Free  
LF = Lead free product (see note 8 sheet 5)  
no suffix = Non lead free: available upon special request

2 WALL WIDE BODY VISION AS SHOWN

|               |                                       |       |                |            |                |           |           |                |       |     |
|---------------|---------------------------------------|-------|----------------|------------|----------------|-----------|-----------|----------------|-------|-----|
| spec ref      | CONCEPT                               | dr    | Matthew Cheong | 2006/11/16 | projection     | mm        | size      | A3             | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | K R Mahoharan  | 2012/07/23 |                |           | ecn no    | ELX-S-012244-1 |       |     |
| ISO 406       |                                       | chr   | -              | -          |                |           | rel level | Released       |       |     |
| ISO 1101      |                                       | appr  | Chen-Hong Tan  | 2012/10/12 | product family | AirMax VS |           |                |       |     |
| surface       | linear                                | 0.X   | ±              |            |                |           | dwg no    | 10056103       | rev   | B   |
|               |                                       | 0.XX  | ±              |            |                |           |           |                |       |     |
|               |                                       | 0.XXX | ±              |            |                |           |           |                |       |     |
| ISO 1302      | angular                               | 0°    | ±°             |            |                |           |           |                |       |     |
|               |                                       |       |                |            |                |           |           |                |       |     |

A

\* Detection pin of 3.9mm possible on standard positions H5.  
For other detection pin and options please consult FCI.

B

| Partnumber \ Pin layout | 5.6mm<br>Longpins<br>(typ gnd)    | 3.9mm *<br>Short pin<br>(typ detect) | 4.6mm<br>Otherpins<br>(typ sign) |
|-------------------------|-----------------------------------|--------------------------------------|----------------------------------|
| 10056103-IYZ0011(LF)    | F1,F3,F5,F7,F9<br>G2,G4,G6,G8,G10 | -                                    | all other<br>positions           |
| 10056103-IYZ0031(LF)    | F1,F3,F5,F7,F9<br>G2,G4,G6,G8,G10 | H5                                   | all other<br>positions           |
| 10056103-IYZ0032(LF)    | F1,F3,F5,F7,F9<br>G2,G4,G6,G8,G10 | H5<br>(See Note 7)                   | all other<br>positions           |



C

D

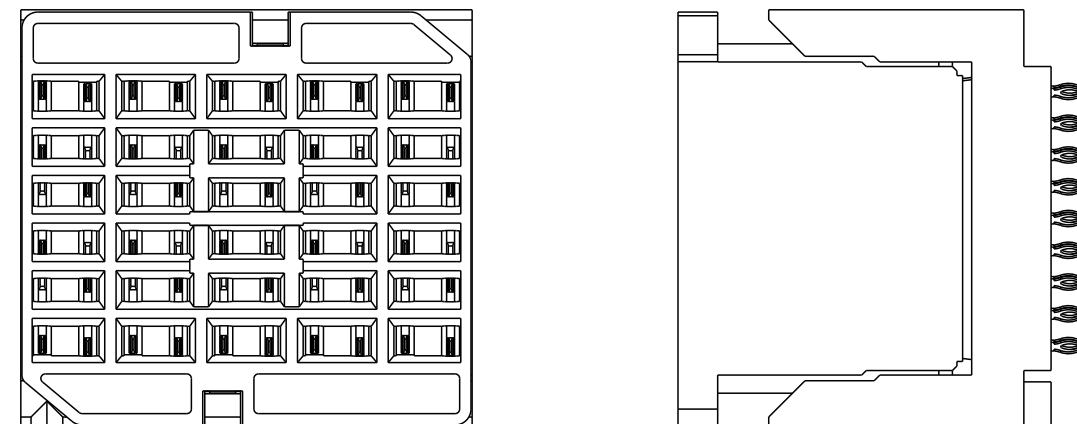
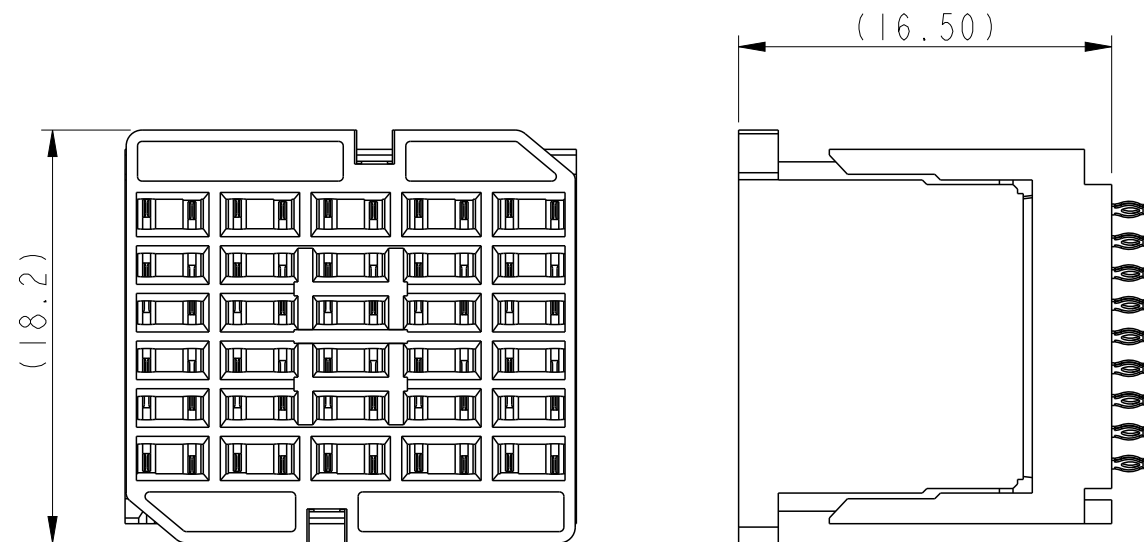


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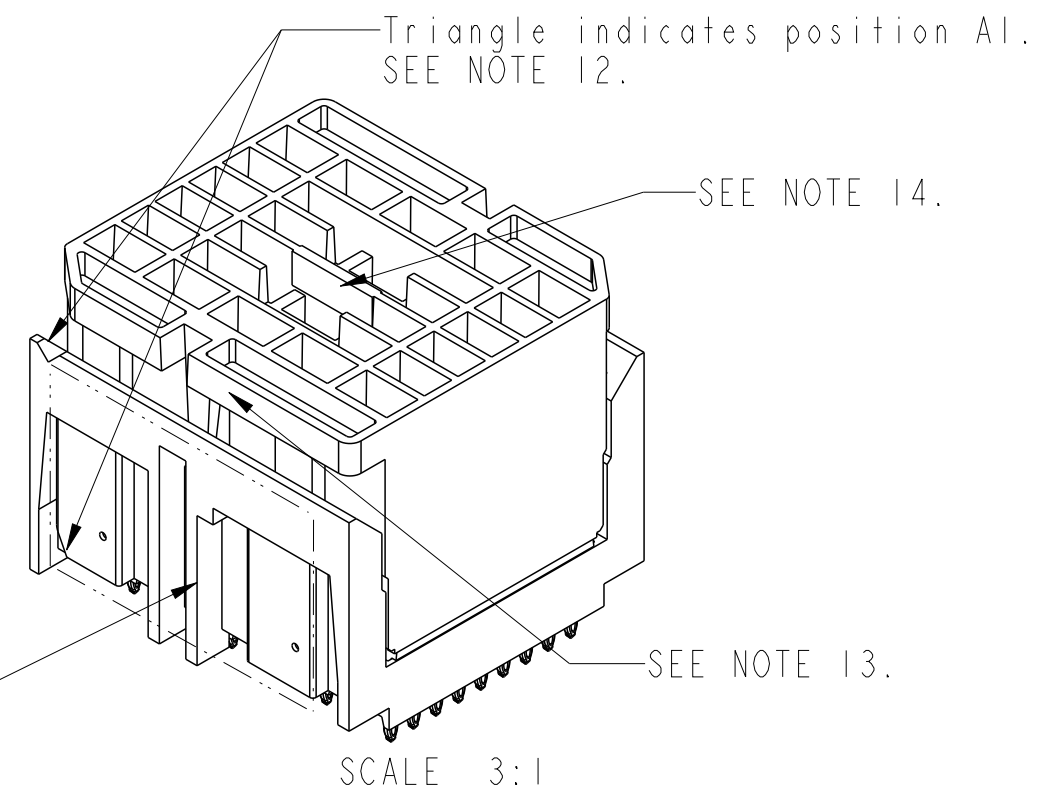
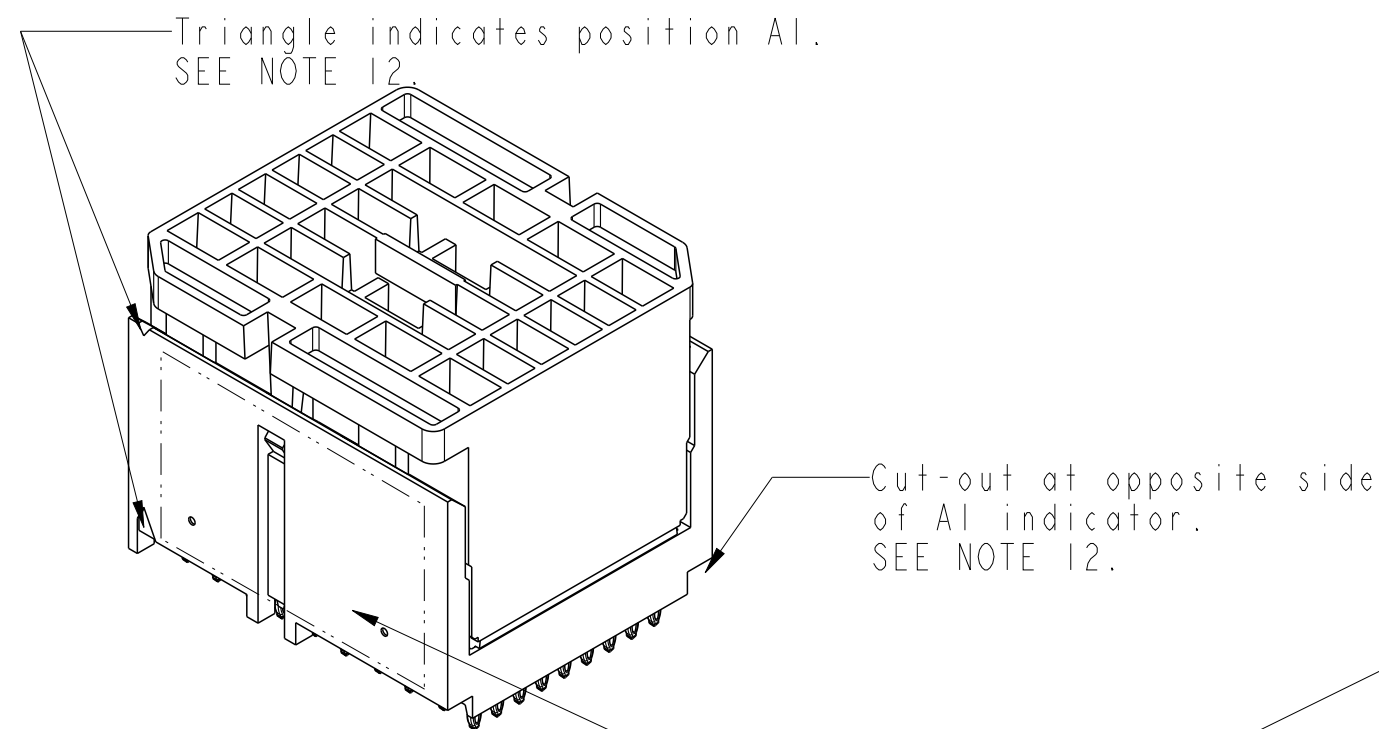
|               |                                       |         |    |      |               |                                                           |                |  |        |                |    |       |           |          |
|---------------|---------------------------------------|---------|----|------|---------------|-----------------------------------------------------------|----------------|--|--------|----------------|----|-------|-----------|----------|
| spec ref      |                                       | CONCEPT |    |      | dr            | Matthew Cheong                                            | 2006/11/16     |  |        | size           | A3 | scale | 2:1       |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |    | eng  | K R Mahoharan | 2012/07/23                                                | ecn no         |  |        | ELX-S-012244-1 |    |       |           |          |
|               |                                       |         |    | chr  | -             | -                                                         |                |  |        |                |    |       |           |          |
| ISO 406       |                                       |         |    | appr | Chen-Hong Tan | 2012/10/12                                                | product family |  |        | AirMax VS      |    |       | rel level | Released |
| ISO 1101      |                                       |         |    |      |               |                                                           |                |  |        |                |    |       |           |          |
| surface       | linear                                | 0.X     | ±  |      | title         | AirMax VS VERTICAL HEADER<br>3 pair, 90 pos, 2mm, 10 IMLA |                |  | dwg no | 10056103       |    |       | rev       | B        |
|               |                                       | 0.XX    | ±  |      |               |                                                           |                |  |        |                |    |       |           |          |
|               |                                       | 0.XXX   | ±  |      |               |                                                           |                |  |        |                |    |       |           |          |
|               | ISO 1302                              | angular | 0° | ±°   |               |                                                           |                |  |        |                |    |       |           |          |

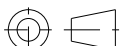
NARROW BODY

WIDE BODY



SCALE 3:1



|                                                                                                                                         |                                       |         |    |                                                                                       |          |                           |                        |                                                                                                                        |                                                                                                                |                |              |           |     |                |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|----|---------------------------------------------------------------------------------------|----------|---------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|--------------|-----------|-----|----------------|
| spec ref                                                                                                                                |                                       | CONCEPT |    |                                                                                       | dr       | Matthew Cheong            | 2006/11/16             | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A3           | scale     | 2:1 |                |
| tolerance std                                                                                                                           | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |    |                                                                                       | eng      | K R Mahoharan             | 2012/07/23             |                                                                                                                        |                                                                                                                | ecn no         |              |           |     | ELX-S-012244-1 |
|                                                                                                                                         |                                       |         |    |                                                                                       | chr      | -                         | -                      |                                                                                                                        |                                                                                                                | rel level      |              |           |     | Released       |
|                                                                                                                                         |                                       |         |    |                                                                                       | appr     | Chen-Hong Tan             | 2012/10/12             |                                                                                                                        |                                                                                                                | product family |              | AirMax VS |     |                |
| <div>surface</div> <div></div> <div>ISO 1302</div> | linear                                | 0.X     | ±  |  | title    | AirMax VS VERTICAL HEADER |                        |                                                                                                                        |                                                                                                                | dwg no         | 10056103     |           | rev | B              |
|                                                                                                                                         |                                       | 0.XX    | ±  |                                                                                       |          |                           |                        |                                                                                                                        |                                                                                                                |                |              |           |     |                |
|                                                                                                                                         |                                       | 0.XXX   | ±  |                                                                                       |          |                           |                        |                                                                                                                        |                                                                                                                |                |              |           |     |                |
|                                                                                                                                         | angular                               | 0°      | ±° | www.fci.com                                                                           | cat. no. |                           | Product - Customer Drw |                                                                                                                        |                                                                                                                |                | sheet 3 of 5 |           |     |                |

1

2

3

4

NARROW BODY

WIDE BODY

A

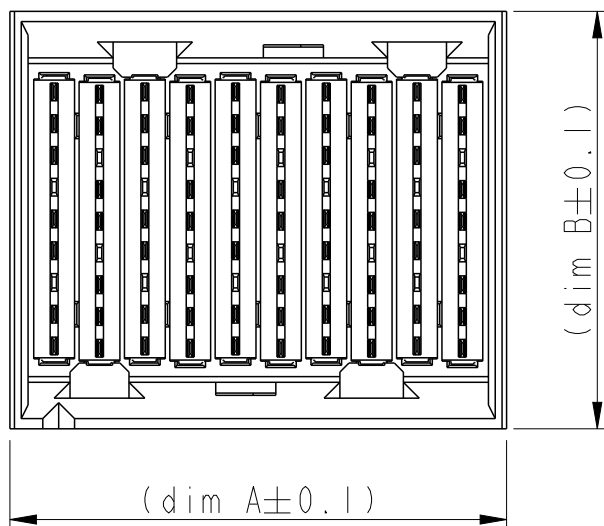
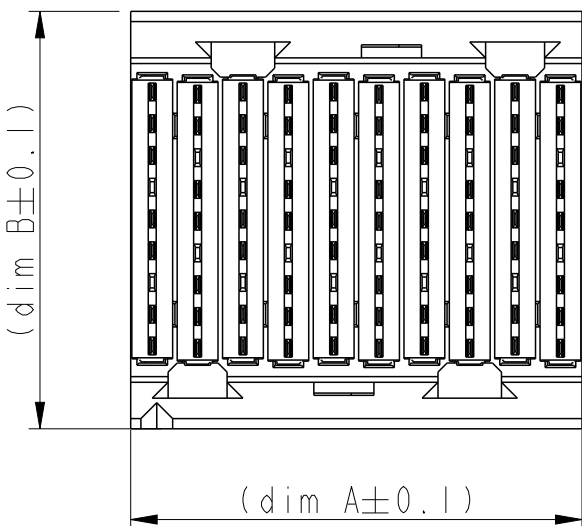
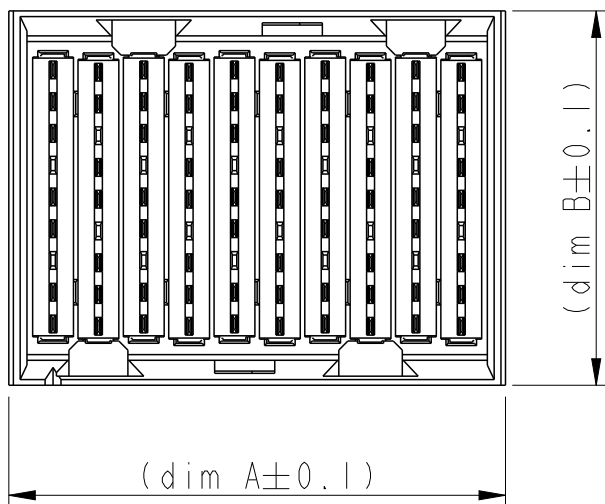
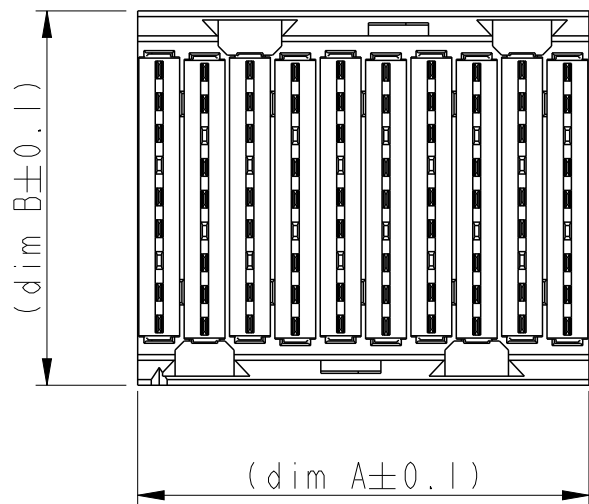
10056103 - 101ABCI

10056103 - 104ABCI

10056103 - 105ABCI

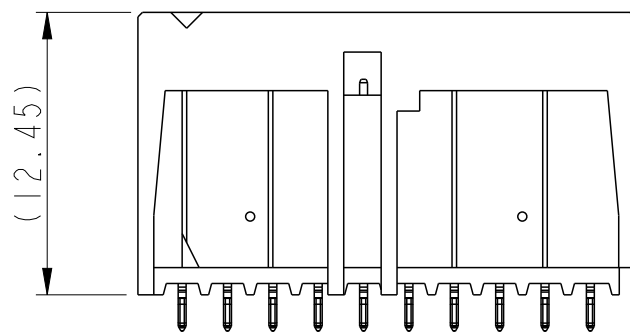
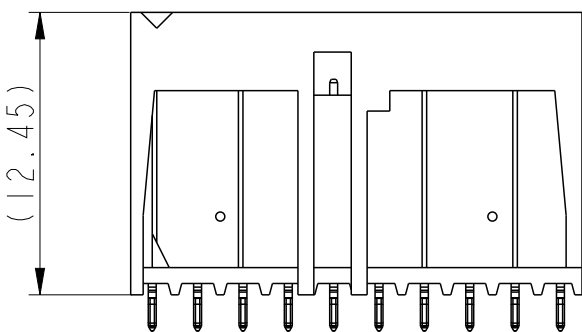
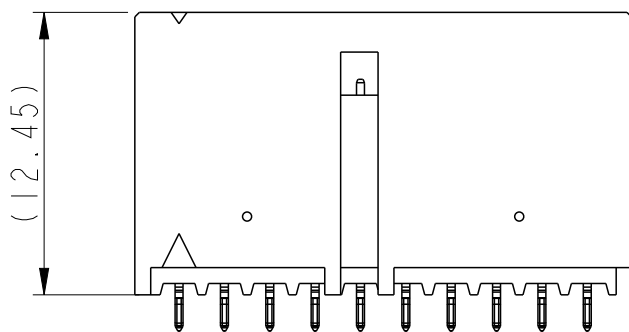
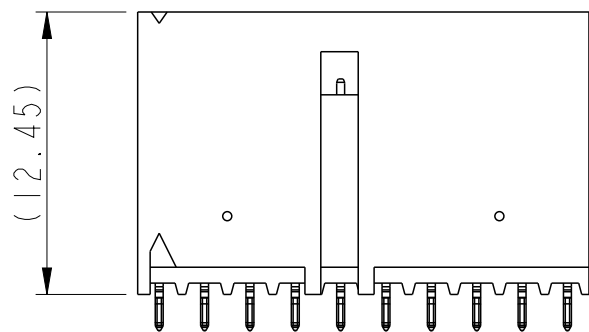
10056103 - 108ABCI

A



B

B



C

C

| PN / dim              | A    | B    |
|-----------------------|------|------|
| 10056103-101ABCI (LF) | 19.9 | 16.5 |
| 10056103-104ABCI (LF) | 21.9 | 16.5 |
| 10056103-105ABCI (LF) | 19.9 | 18.4 |
| 10056103-108ABCI (LF) | 21.9 | 18.4 |

|                   |  |                                       |  |       |      |    |                |             |            |          |            |                           |    |              |        |          |                |     |           |   |           |  |
|-------------------|--|---------------------------------------|--|-------|------|----|----------------|-------------|------------|----------|------------|---------------------------|----|--------------|--------|----------|----------------|-----|-----------|---|-----------|--|
| spec ref          |  | CONCEPT                               |  |       | dr   |    | Matthew Cheong |             | 2006/11/16 |          | projection |                           | mm |              | size   |          | A3             |     | scale     |   | 2:1       |  |
| tolerance ref std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       | eng  |    | K R Mahoharan  |             | 2012/07/23 |          |            |                           |    |              | ecn no |          | ELX-S-012244-1 |     |           |   |           |  |
| ISO 406           |  |                                       |  |       | chr  |    | -              |             | -          |          |            |                           |    |              |        |          |                |     |           |   |           |  |
| ISO 1101          |  |                                       |  |       | appr |    | Chen-Hong Tan  |             | 2012/10/12 |          |            |                           |    |              |        |          | product family |     | AirMax VS |   | rel level |  |
| surface           |  | linear                                |  | 0.X   |      | ±  |                |             |            | title    |            | AirMax VS VERTICAL HEADER |    | dwg no       |        | 10056103 |                | rev |           | B |           |  |
|                   |  |                                       |  | 0.XX  |      | ±  |                |             |            |          |            |                           |    |              |        |          |                |     |           |   |           |  |
|                   |  |                                       |  | 0.XXX |      | ±  |                |             |            |          |            |                           |    |              |        |          |                |     |           |   |           |  |
| ISO 1302          |  | angular                               |  | 0°    |      | ±° |                | www.fci.com |            | cat. no. |            | Product - Customer Drw    |    | sheet 4 of 5 |        |          |                |     |           |   |           |  |

D

D



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1

2

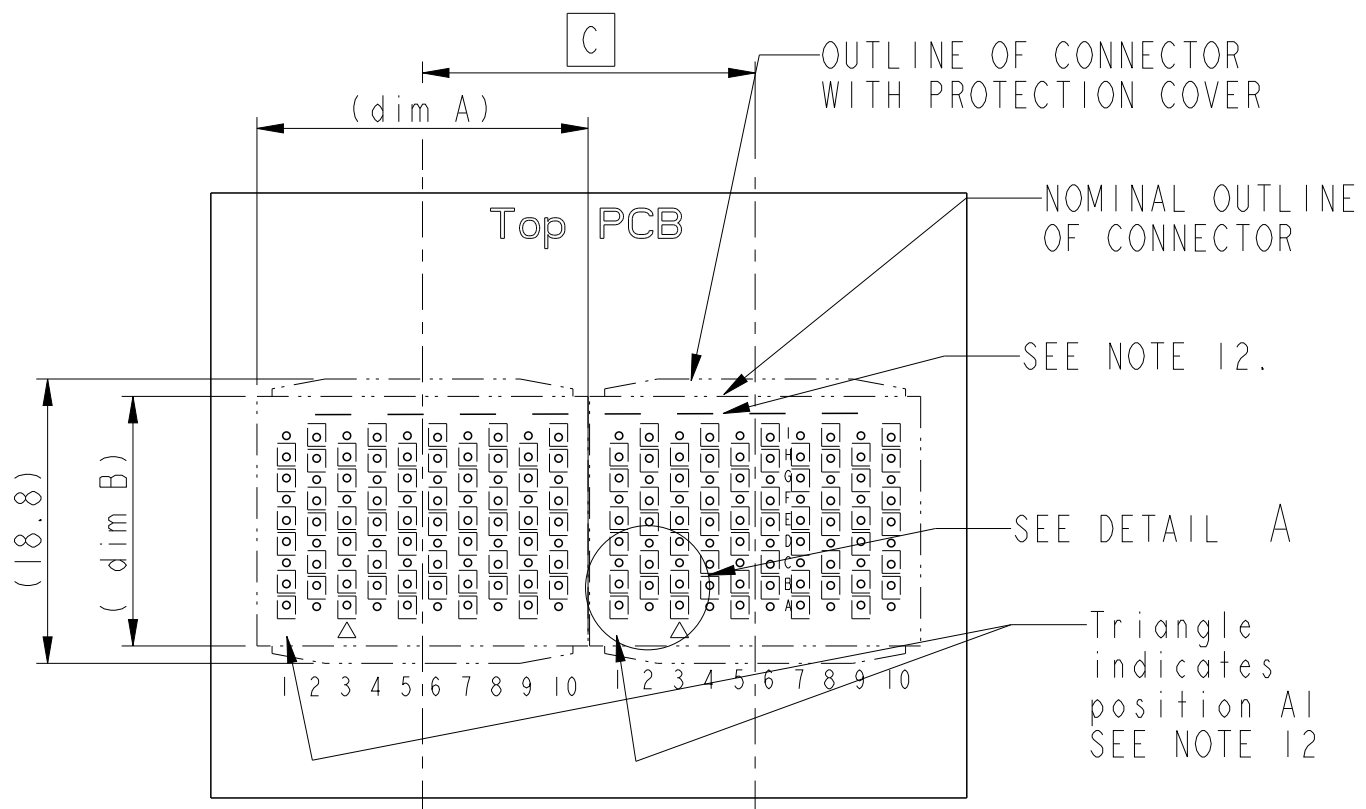
3

PDS: Rev :B

STATUS:Released

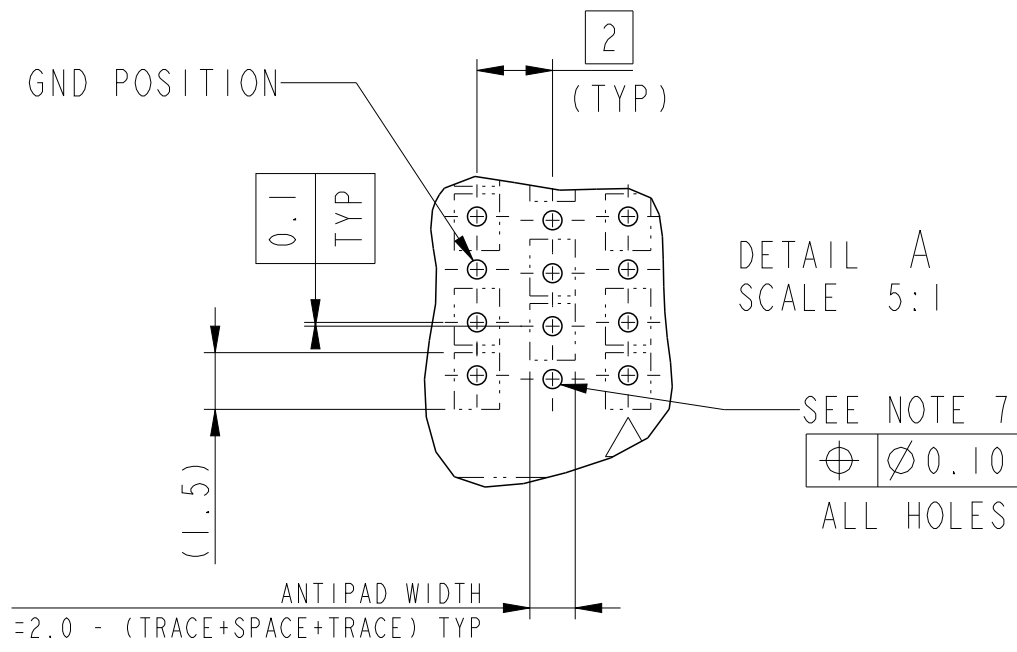
4

Printed: Oct 16, 2012

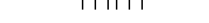


RECOMMENDED PCB LAYOUT  
FOR DIFFERENTIAL APPLICATIONS COMPONENT SIDE  
(TWO ADJACENT FOOTPRINTS SHOWN)

| PN / dim             | A    | B    | C  |
|----------------------|------|------|----|
| 10056103-101ABCI(LF) | 19.9 | 16.5 | 20 |
| 10056103-104ABCI(LF) | 21.9 | 16.5 | 22 |
| 10056103-105ABCI(LF) | 19.9 | 18.4 | 20 |
| 10056103-108ABCI(LF) | 21.9 | 18.4 | 22 |



- NOTES:
- CONNECTOR MATERIALS:  
HOUSING : HIGH TEMP THERMOPLASTIC, NATURAL, UL94V-0  
PROTECTION COVER : HIGH TEMP THERMOPLASTIC, BLACK, UL94V-0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK UL94V-0  
CONTACT: COPPER ALLOY
  - CONTACT PLATING:  
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-239, INCLUDING TELCORDIA GR-1217-CORE (NOV 1995)  
CENTRAL OFFICE TEST SEQUENCE.  
PRESS-FIT TAILS: TIN-LEAD (NON LEAD FREE) OR TIN OVER NICKEL (LEAD FREE)
  - PRODUCT SPECIFICATION: GS-12-239.
  - APPLICATION SPECIFICATION: GS-20-035. FLATROCK INSERTION INTO PCB BY PUSHING ON TOP OF SURFACE PROTECTION COVER
  - PRODUCT MARKING, (PARTNUMBER & LOTCODE).
  - PROTECTION COVER MUST BE REMOVED BEFORE MATING WITH RECEPTACLE CONNECTOR
  - SEE CUSTOMER DRAWING 10045979 FOR INFORMATION ON PCB HOLE DIAMETER AND PLATING OPTIONS.
  - LEAD FREE PARTNUMBERS MEETS THE EUROPEAN UNION DIRECTIVE AS DESCRIBED IN GS-22-008, SUB CLAUSE 3.2
  - THE HOUSING SHOULD WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
  - PACKAGE PER GS-14-1086 AND GS-14-920 LEAD FREE LABELING SPEC.
  - THERE IS NO GROUND BUSSING WITHIN THE CONNECTOR SYSTEM.
  - IT IS RECOMMENDED TO PUT THIS VISIBLE LINE AND THE A1 INDICATION (TRIANGLE) ON THE PCB TO INDICATE PROPER ORIENTATION. OTHER VISIBLE POLARIZATION MARKS ARE A1 INDICATOR AND PRINTING SIDE. (SEE SHEET 3)
  - GRIPPING FEATURE TO REMOVE PROTECTION COVER BY FINGERS.
  - GRIPPING FEATURE TO REMOVE PROTECTION COVER BY STANDARD PLIERS.
  - A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
  - THIS IS A CUSTOMER SPECIAL HOUSING TO BE LAZER MARKED WITH A SINGLE STRIP (1).

|                                                                                               |  |                                       |  |       |      |    |                |                                                                                       |            |          |                                                                                       |                           |                                                                                       |              |        |          |                |     |       |   |     |  |
|-----------------------------------------------------------------------------------------------|--|---------------------------------------|--|-------|------|----|----------------|---------------------------------------------------------------------------------------|------------|----------|---------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|--------------|--------|----------|----------------|-----|-------|---|-----|--|
| spec ref                                                                                      |  | CONCEPT                               |  |       | dr   |    | Matthew Cheong |                                                                                       | 2006/11/16 |          | projection                                                                            |                           | mm                                                                                    |              | size   |          | A3             |     | scale |   | 2:1 |  |
| tolerance std                                                                                 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       | eng  |    | K R Mahoharan  |                                                                                       | 2012/07/23 |          |  |                           |  |              | ecn no |          | ELX-S-012244-1 |     |       |   |     |  |
| ISO 406                                                                                       |  |                                       |  |       | chr  |    | -              |                                                                                       | -          |          |                                                                                       |                           |                                                                                       |              |        |          |                |     |       |   |     |  |
| ISO 1101                                                                                      |  |                                       |  |       | appr |    | Chen-Hong Tan  |                                                                                       | 2012/10/12 |          |                                                                                       |                           |                                                                                       |              |        |          |                |     |       |   |     |  |
| surface  |  | linear                                |  | 0.X   |      | ±  |                |  |            | title    |                                                                                       | AirMax VS VERTICAL HEADER |                                                                                       | dwg no       |        | 10056103 |                | rev |       | B |     |  |
|                                                                                               |  |                                       |  | 0.XX  |      | ±  |                |                                                                                       |            |          |                                                                                       |                           |                                                                                       |              |        |          |                |     |       |   |     |  |
|                                                                                               |  |                                       |  | 0.XXX |      | ±  |                |                                                                                       |            |          |                                                                                       |                           |                                                                                       |              |        |          |                |     |       |   |     |  |
| ISO 1302                                                                                      |  | angular                               |  | 0°    |      | ±° |                | www.fci.com                                                                           |            | cat. no. |                                                                                       | Product - Customer Drw    |                                                                                       | sheet 5 of 5 |        |          |                |     |       |   |     |  |

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## Website :

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