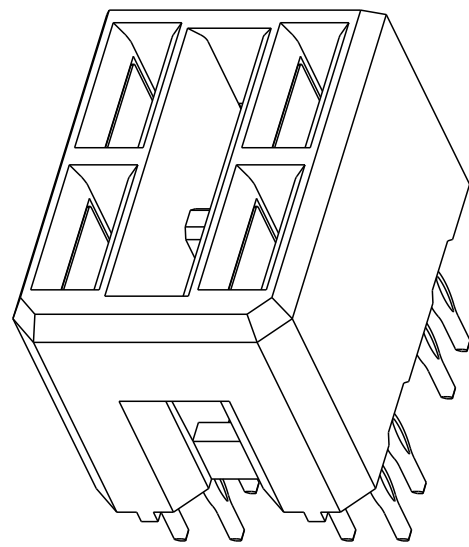
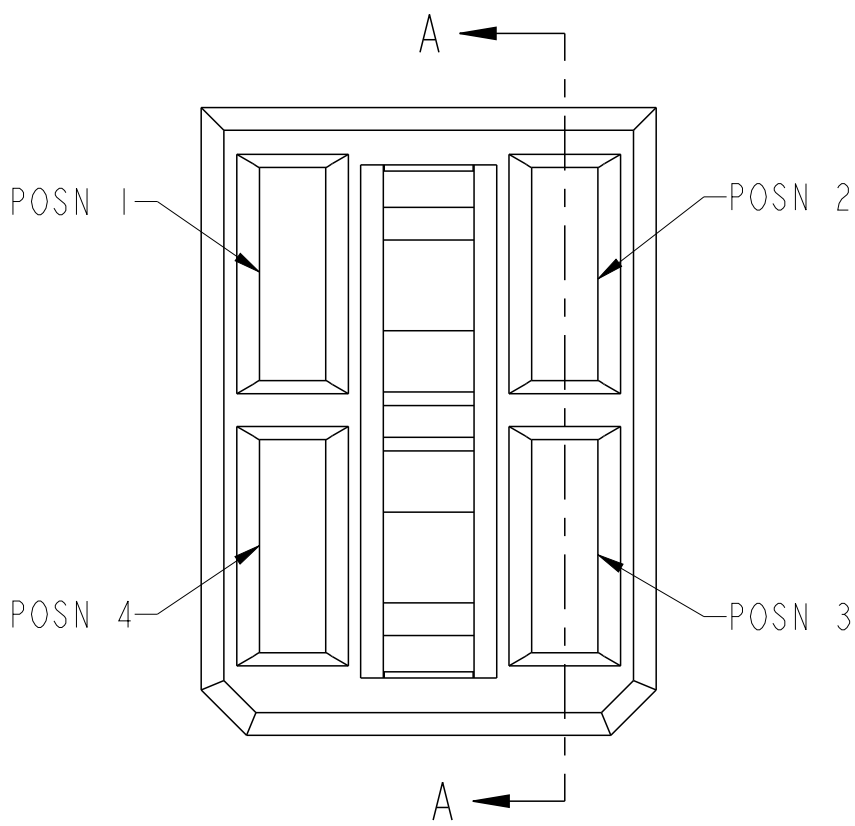
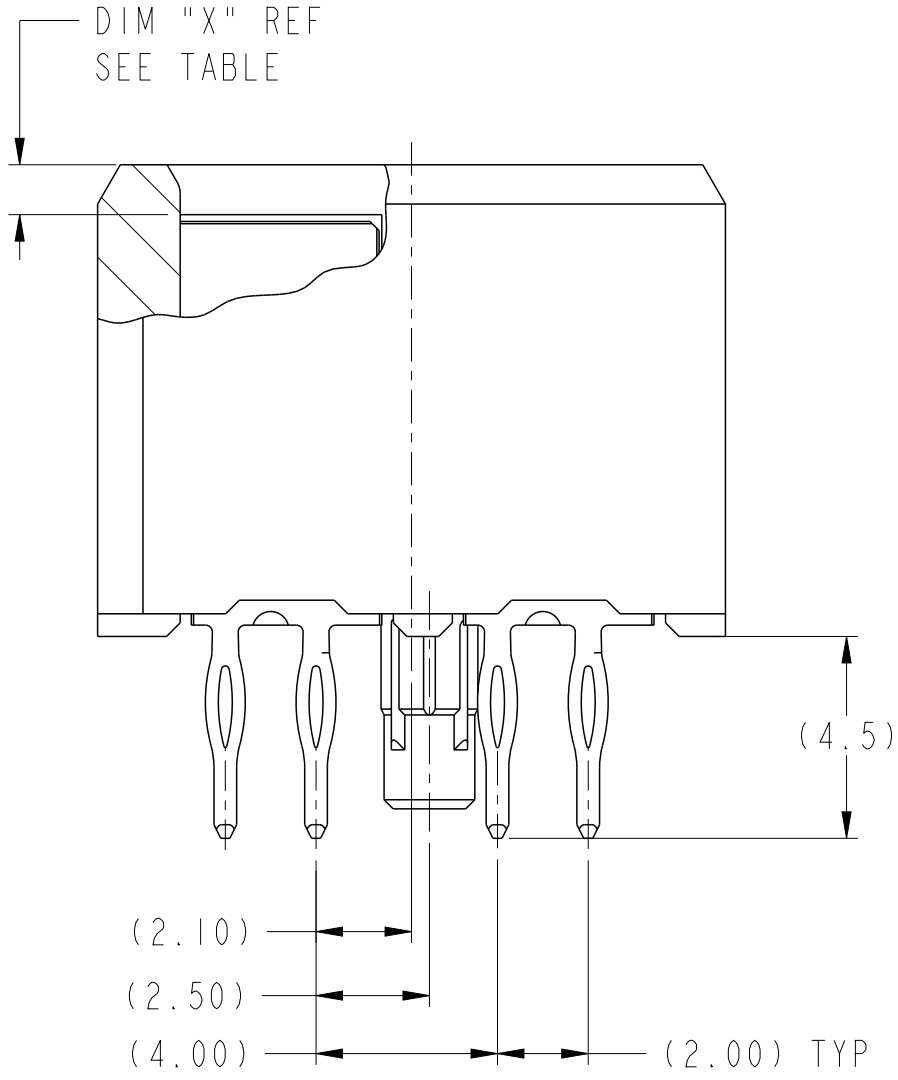
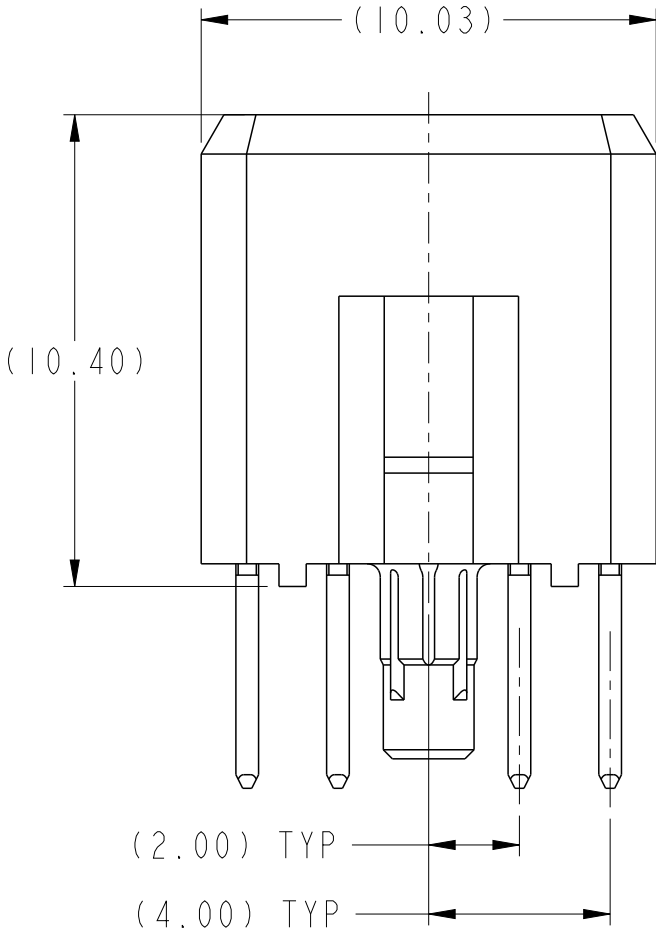
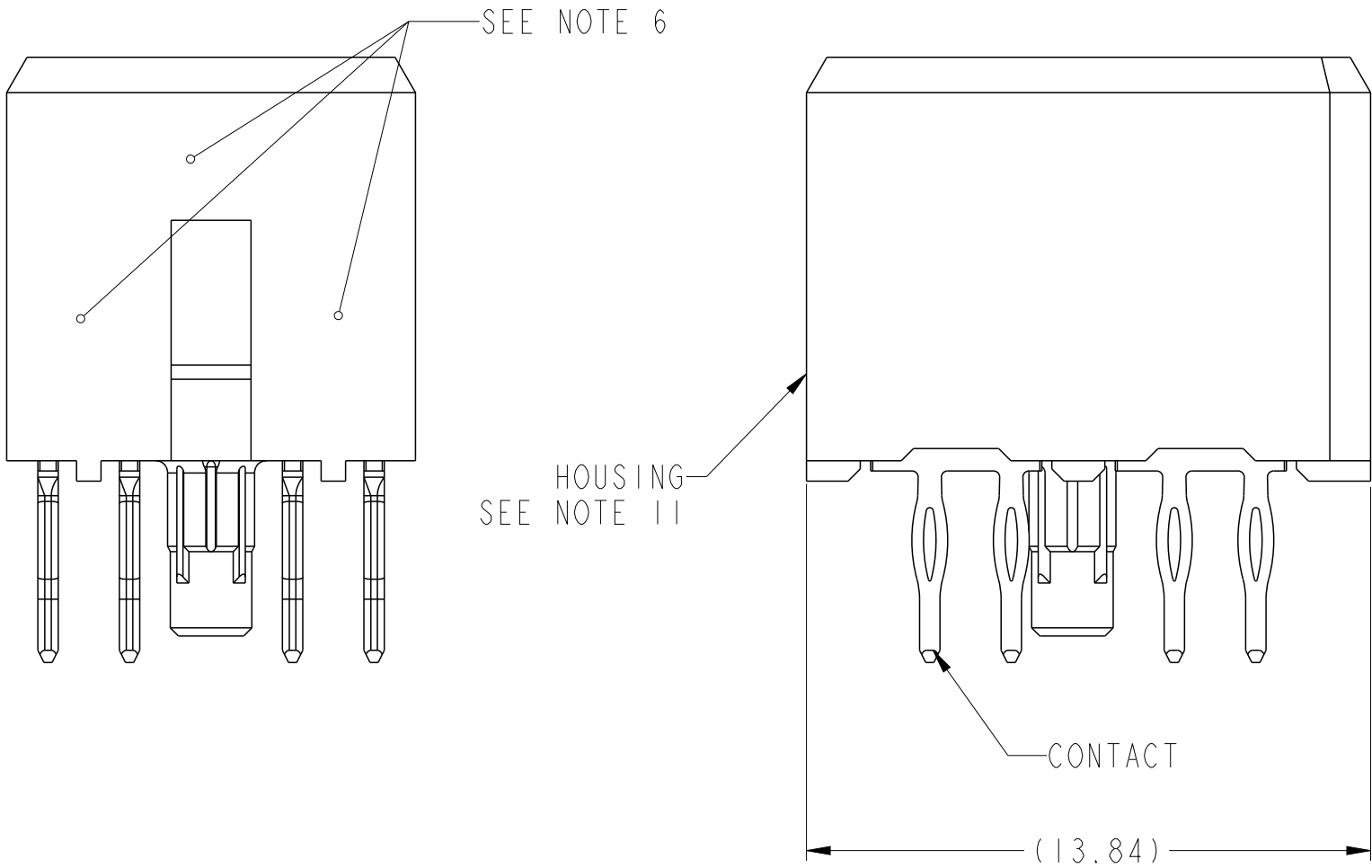


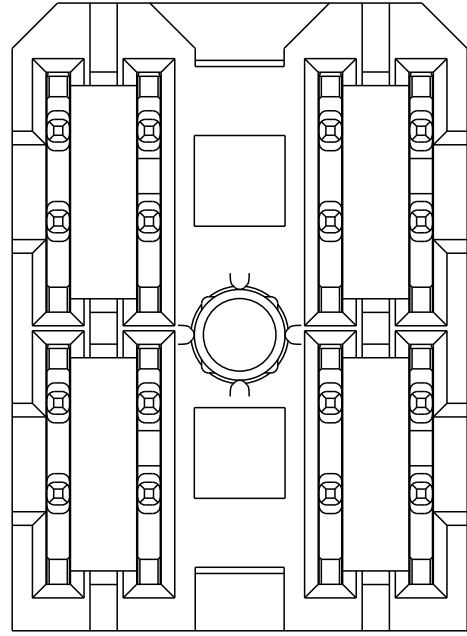
| 1                                          | 2                          | 3                      |        |        |        | 4                     | 5 | 6 | 7 | 8 |
|--------------------------------------------|----------------------------|------------------------|--------|--------|--------|-----------------------|---|---|---|---|
| PRODUCT NUMBER<br>("LF" DENOTES LEAD-FREE) | CONTACT<br>PLATING<br>NOTE | MATING LENGTH, DIM "X" |        |        |        | ROHS<br>COMPATIBILITY |   |   |   |   |
|                                            |                            | POSN 1                 | POSN 2 | POSN 3 | POSN 4 |                       |   |   |   |   |
| 10084582-4554P00LF                         | 3                          | 1.10                   | 2.60   | 2.60   | 1.10   | SEE NOTE 9            |   |   |   |   |

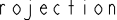
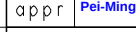


SCALE 4:1



SECTION A-A



|                                                                                               |                                       |            |         |      |                                                                                       |            |                                          |                                                                                       |    |                |          |                |     |   |
|-----------------------------------------------------------------------------------------------|---------------------------------------|------------|---------|------|---------------------------------------------------------------------------------------|------------|------------------------------------------|---------------------------------------------------------------------------------------|----|----------------|----------|----------------|-----|---|
| spec ref                                                                                      | GS-12-220                             |            |         | dr   | w wcadmin                                                                             | 2008/06/11 | projection                               |  | MM | size           | A2       | scale          | 6:1 |   |
| tolerance std                                                                                 | TOLERANCES UNLESS OTHERWISE SPECIFIED |            |         | eng  | Jackie Chen                                                                           | 2015/08/17 |                                          |                                                                                       |    |                | ecn no   | ELX-DG-21664-1 |     |   |
| ASME Y14.5                                                                                    |                                       |            |         | chr  | -                                                                                     | -          | rel level                                | Released                                                                              |    |                |          |                |     |   |
| -                                                                                             |                                       |            |         | appr | Pei-Ming Zheng                                                                        | 2015/08/17 | product family                           |                                                                                       |    | 2mm High Power |          |                |     |   |
| surface  |                                       | linear     | 0.X     | ±.3  |  | title      | 2X2 VERT RECEPTACLE ASSY<br>AIRMAX POWER |                                                                                       |    | dwg no         | 10084582 |                | rev | C |
|                                                                                               |                                       |            | 0.XX    | ±.1  |                                                                                       |            |                                          |                                                                                       |    |                |          |                |     |   |
|                                                                                               |                                       |            | 0.XXX   | ±.05 |                                                                                       |            |                                          |                                                                                       |    |                |          |                |     |   |
|                                                                                               |                                       | ASME Y14.5 | angular | 0°   |                                                                                       |            |                                          |                                                                                       |    |                |          |                |     |   |

PDS: Rev :C

STATUS:Released

Printed: Aug 18, 2015

|                       | 1                                           | 2                      | 3                | 4                  | 5                | 6                  | 7             | 8                |                        |
|-----------------------|---------------------------------------------|------------------------|------------------|--------------------|------------------|--------------------|---------------|------------------|------------------------|
| TOP LAYER DESCRIPTION | TABLE I<br>PLATED THROUGH-HOLE REQUIREMENTS |                        |                  |                    |                  |                    |               |                  |                        |
|                       |                                             | DRILLED HOLE DIAMETER  | COPPER THICKNESS | TIN-LEAD THICKNESS | NICKEL THICKNESS | GOLD THICKNESS     | TIN THICKNESS | SILVER THICKNESS | FINISHED HOLE DIAMETER |
|                       | 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            |
|                       | IMMERSION SILVER                            | 0.81-0.86 (0.85 DRILL) | 0.025 - 0.050    | --                 | --               | --                 | --            | 0.15 - 0.65um    | 0.70 - 0.80            |
|                       | COPPER (SEE NOTE 12)                        | 0.81-0.86 (0.85 DRILL) | 0.025 - 0.050    | --                 | --               | --                 | --            | --               | 0.70 - 0.80            |
|                       | GOLD                                        | 0.81-0.86 (0.85 DRILL) | 0.025 - 0.050    | --                 | 0.003 - 0.007    | FLASH UP TO 0.0002 | --            | --               | 0.69 - 0.80            |
|                       |                                             |                        |                  |                    |                  |                    |               |                  |                        |
|                       |                                             |                        |                  |                    |                  |                    |               |                  |                        |

NOTES:

1.

CONNECTOR MATERIALS:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK  
UL 94V-0 COMPLIANT  
CONTACT: HIGH PERFORMANCE COPPER ALLOY

△  
②

CONTACT PLATING:  
PRESS-FIT TAIL: 0.5um TIN-LEAD OVER NICKEL.  
SEPARABLE INTERFACE: 0.76um MIN GXT OVER NICKEL.

△  
③

CONTACT PLATING (LEAD-FREE):  
PRESS-FIT TAIL: 0.5um MIN MATTE TIN OVER NICKEL.  
SEPARABLE INTERFACE: 0.76um MIN GXT OVER NICKEL.

4.

PRODUCT SPECIFICATION: GS-I2-220

5.

APPLICATION SPECIFICATION: GS-20-023

⑥

PRODUCT MARKING (PRODUCT NUMBER & LOT CODE) ON HOUSING IN AREA SHOWN, EITHER SIDE.

⑦

MINIMUM NOMINAL BOARD THICKNESS: 2.4mm

⑧

REFER TO CUSTOMER DRAWING SKI00359II FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO AIRMAX SIGNAL MODULES.

⑨

PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.

10.

PACKAGING MEETS FCI SPECIFICATION GS-I4-920

⑪

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

⑫

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

13.

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

(10.04)

← [12.00] ADJACENT POWER MODULE, SEE NOTE 8 →

[2]

[2]

Ø 2.10<sup>+0.05</sup><sub>0</sub>  
[C-]

(0.395)

(3.6)

(0.505)

-A-

RECOMMENDED PCB LAYOUT,  
COMPONENT SIDE  
SEE NOTE 7  
SCALE 10:1

Φ OF CONNECTOR AND HOLE PATTERN

POSN 1

Φ OF CONNECTOR

TOP SURFACE OF DAUGHTER CARD

OPPOSITE SURFACE

2 TYP

4

2.5

DIM "A"  
0.80  
0.65  
⊕ Ø 0.10 M A C  
16X SEE TABLE I

|               |                                       |       |       |                                     |                |          |                                                   |                       |          |       |          |
|---------------|---------------------------------------|-------|-------|-------------------------------------|----------------|----------|---------------------------------------------------|-----------------------|----------|-------|----------|
| spec ref      | GS-I2-220                             |       |       | dr                                  | w wcadmin      | 20080611 | projection<br><div><div></div><div>MM</div></div> | size                  | A2       | scale | 3:1      |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng                                 | Jackie Chen    | 20150817 |                                                   | ecn no ELX-DG-21664-1 |          |       |          |
| ASME Y14.5    |                                       |       |       | chr                                 | -              | -        |                                                   | rel level Released    |          |       |          |
| -             |                                       |       |       | appr                                | Pei-Ming Zheng | 20150817 |                                                   | product family -      |          |       |          |
| surface ✓     | linear                                | 0.X   | ± .3  | FCI                                 | www.fci.com    | cat. no. | 2X2 VERT RECEPTACLE ASSY<br>AIRMAX POWER          | dwg no                | 10084582 |       | rev<br>C |
|               |                                       | 0.XX  | ± .1  |                                     |                |          |                                                   |                       |          |       |          |
|               |                                       | 0.XXX | ± .05 |                                     |                |          |                                                   |                       |          |       |          |
| ASME Y14.5    | angular                               | 0°    | ± 2°  | Product - Customer Drw sheet 2 of 2 |                |          |                                                   |                       |          |       |          |