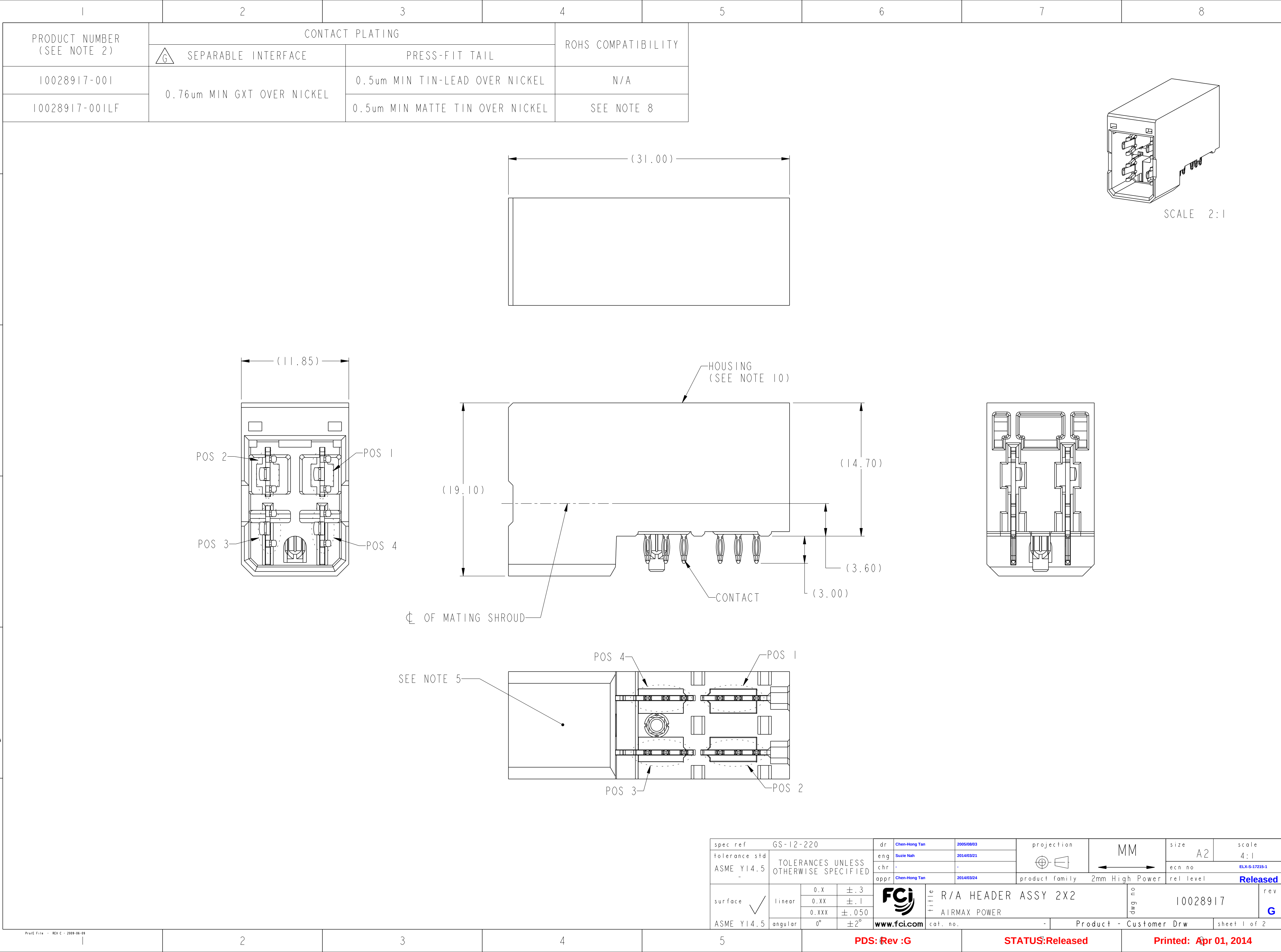




| TOP LAYER DESCRIPTION | TABLE I<br>PLATED THROUGH-HOLE REQUIREMENTS |                  |                    |                  |                    |               |                  |                                 |
|-----------------------|---------------------------------------------|------------------|--------------------|------------------|--------------------|---------------|------------------|---------------------------------|
|                       | DRILLED HOLE DIAMETER                       | COPPER THICKNESS | TIN-LEAD THICKNESS | NICKEL THICKNESS | GOLD THICKNESS     | TIN THICKNESS | SILVER THICKNESS | FINISHED HOLE DIAMETER (DIM"A") |
| 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 11)  | 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.

"LF" SUFFIX DENOTES "LEAD-FREE"
3.

PRODUCT SPECIFICATION: GS-12-220
4.

APPLICATION SPECIFICATION: GS-20-023
5.

PRODUCT MARKING (PRODUCT NUMBER & LOT CODE) ON HOUSING.
6.

MINIMUM NOMINAL PCB THICKNESS: 1.6mm
7.

REFER TO CUSTOMER DRAWING 10035911 FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO SIGNAL MODULES.
8.

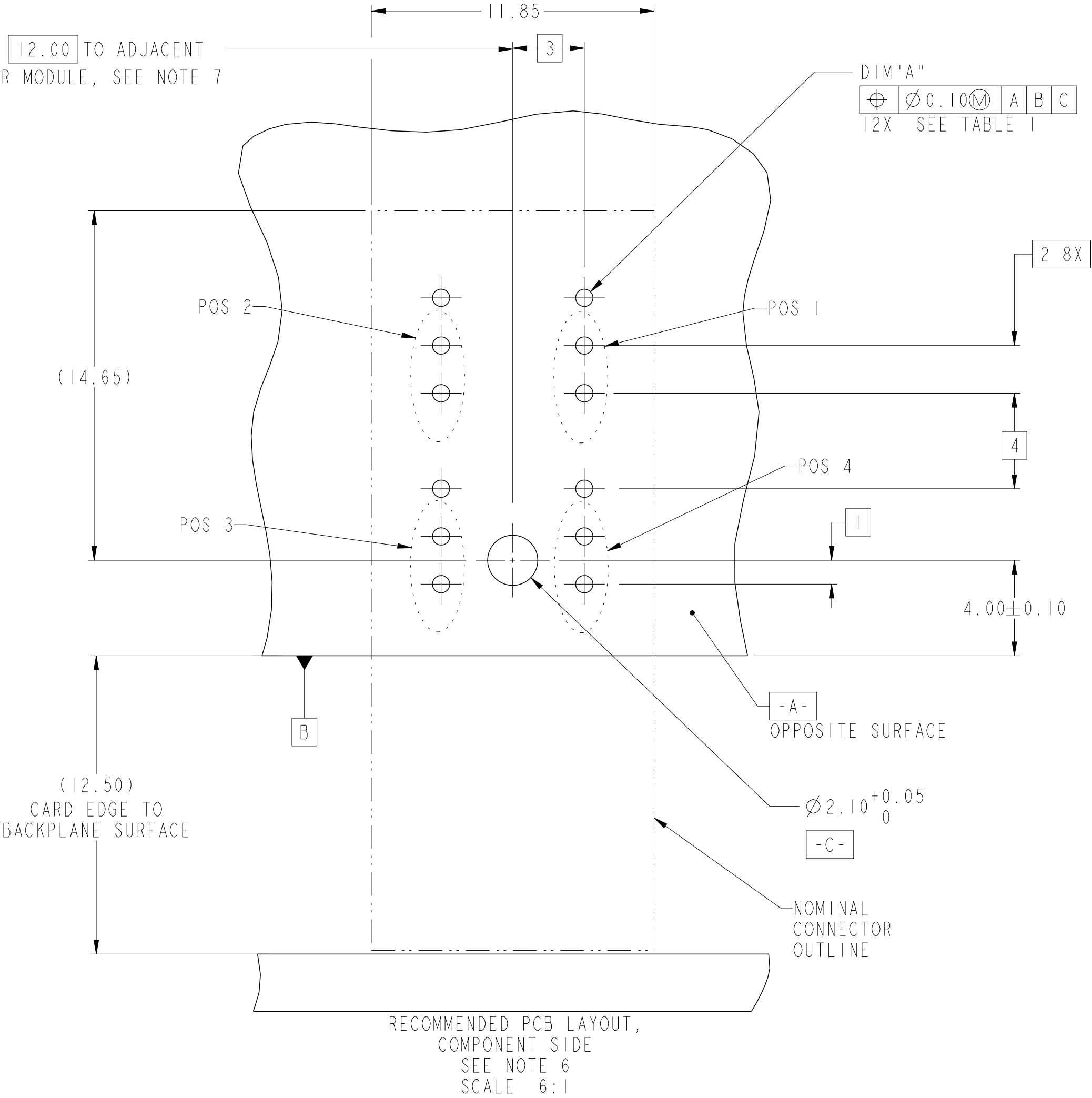
PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.
9.

PACKAGING MEETS FCI SPECIFICATION GS-14-920.
10.

HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
11.

COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
12.

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



|               |                                    |             |                                     |            |                |          |        |                        |              |          |
|---------------|------------------------------------|-------------|-------------------------------------|------------|----------------|----------|--------|------------------------|--------------|----------|
| spec ref      | GS-12-220                          | dr          | Chen-Hong Tan                       | 2005/0803  | projection     | MM       | size   | A2                     | scale        | 1:1      |
| tolerance std | ASME Y14.5                         | eng         | Suzie Nah                           | 2014/03/21 | chr            | -        | ecn no | ELX-S-17215-1          | rel level    | Released |
| surface       | ✓                                  | appr        | Chen-Hong Tan                       | 2014/03/24 | product family | -        | dwg no | 10028917               | rev          | G        |
| linear        | 0.X ±.3<br>0.XX ±.1<br>0.XXX ±.050 | title       | R/A HEADER ASSY 2X2<br>AIRMAX POWER |            |                | cat. no. | -      | Product - Customer Drw | sheet 2 of 2 |          |
| angular       | 0° ±2°                             | www.fci.com |                                     |            |                |          |        |                        |              |          |