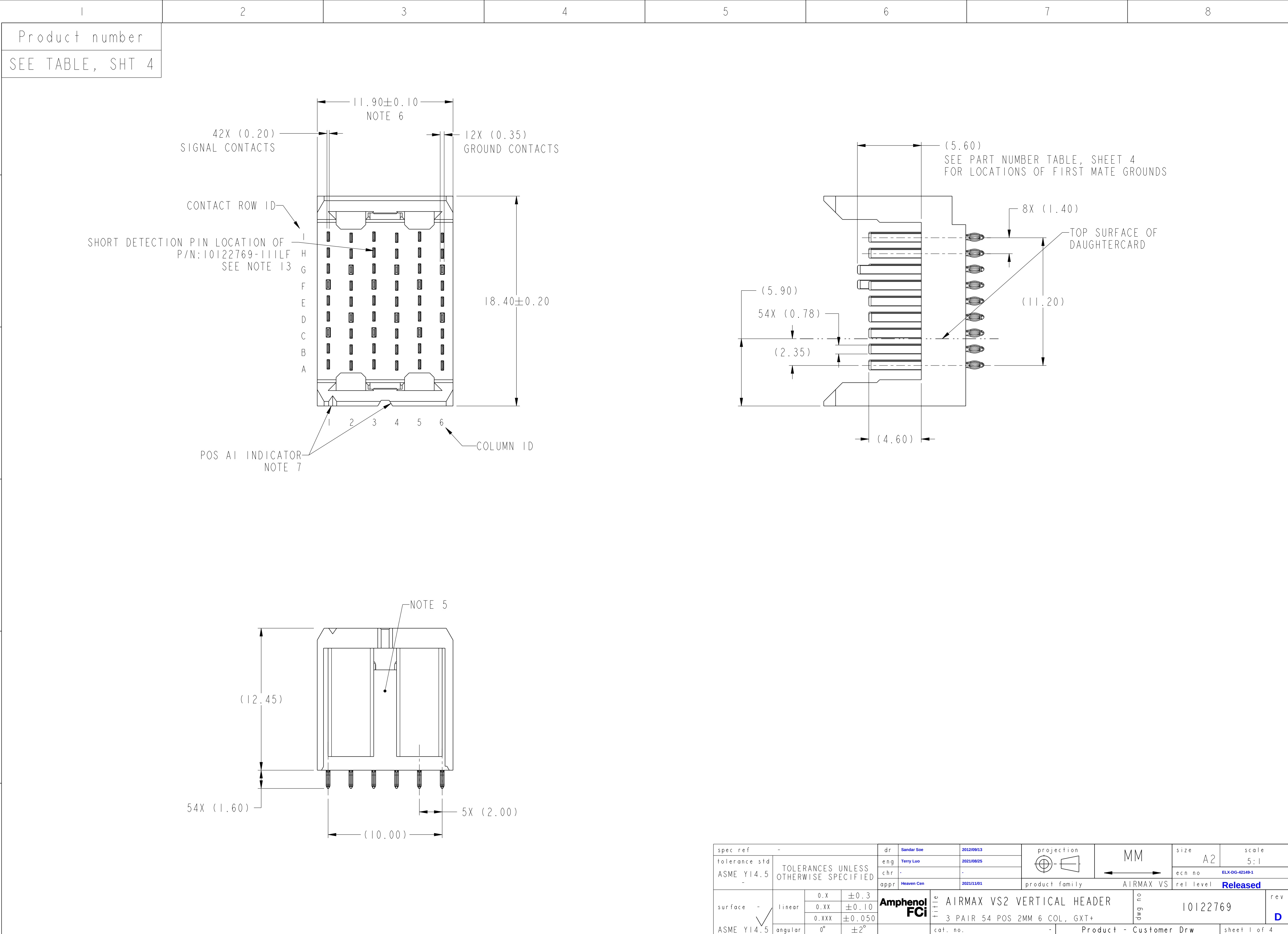
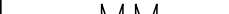




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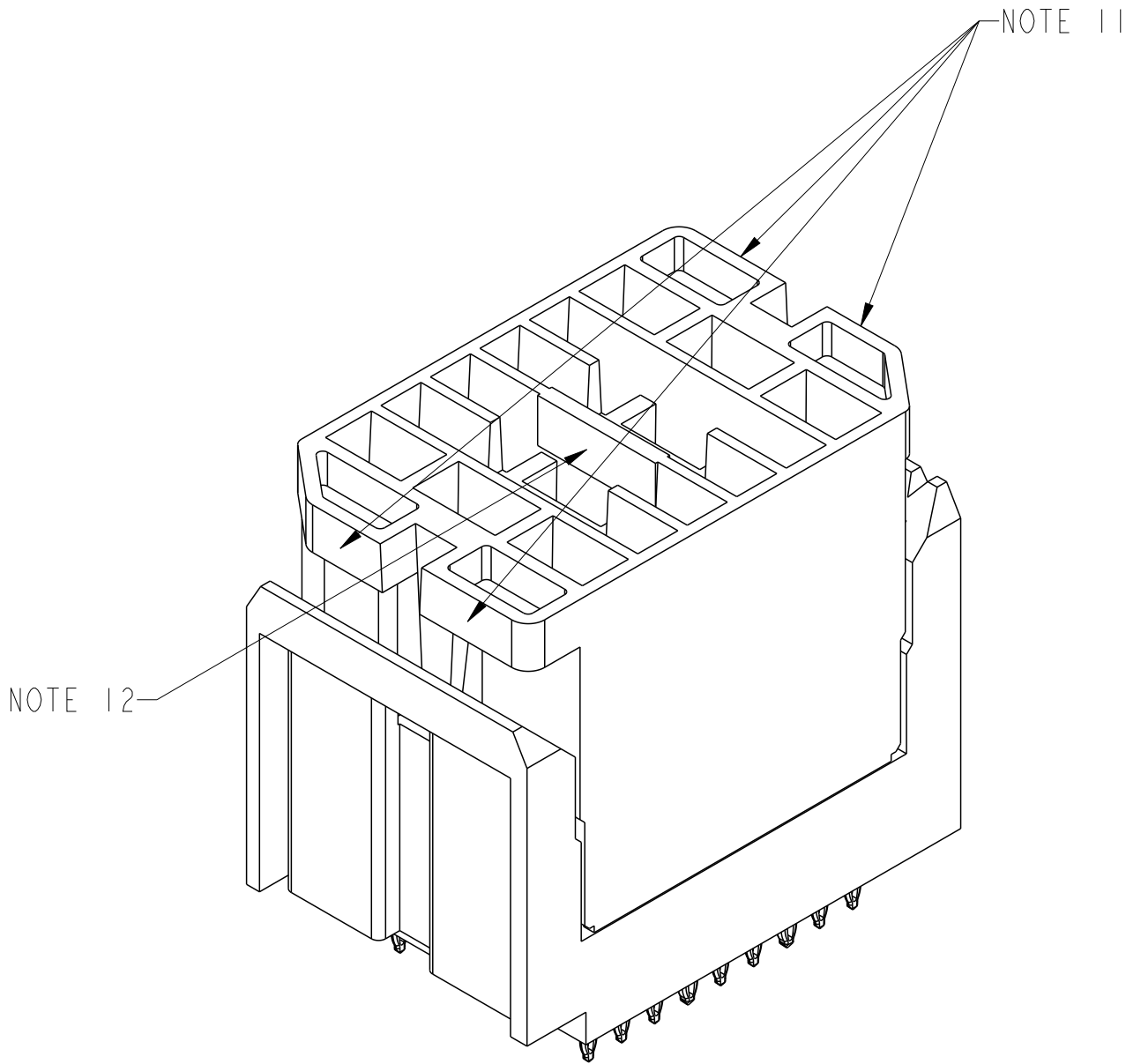
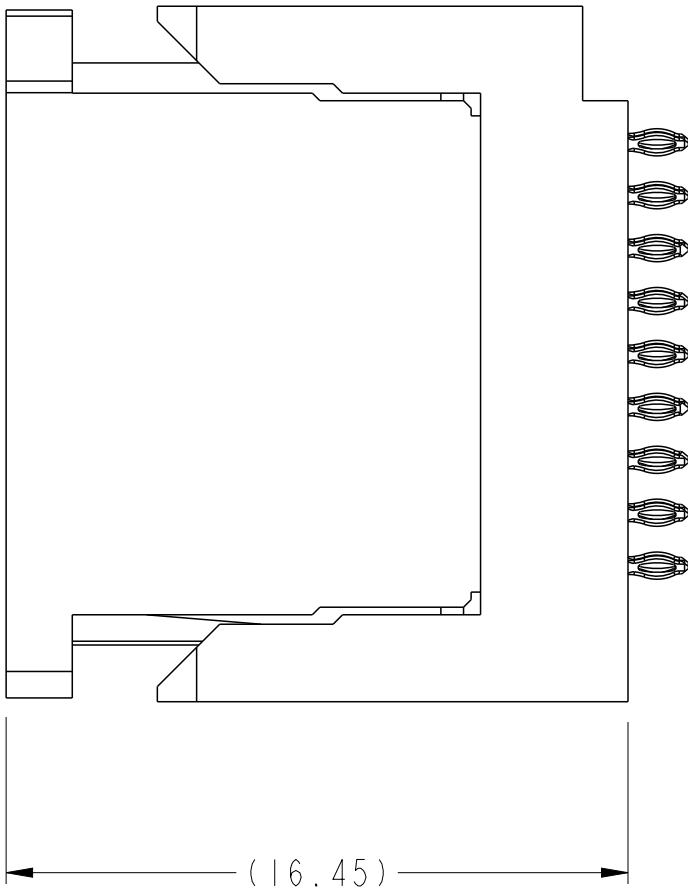
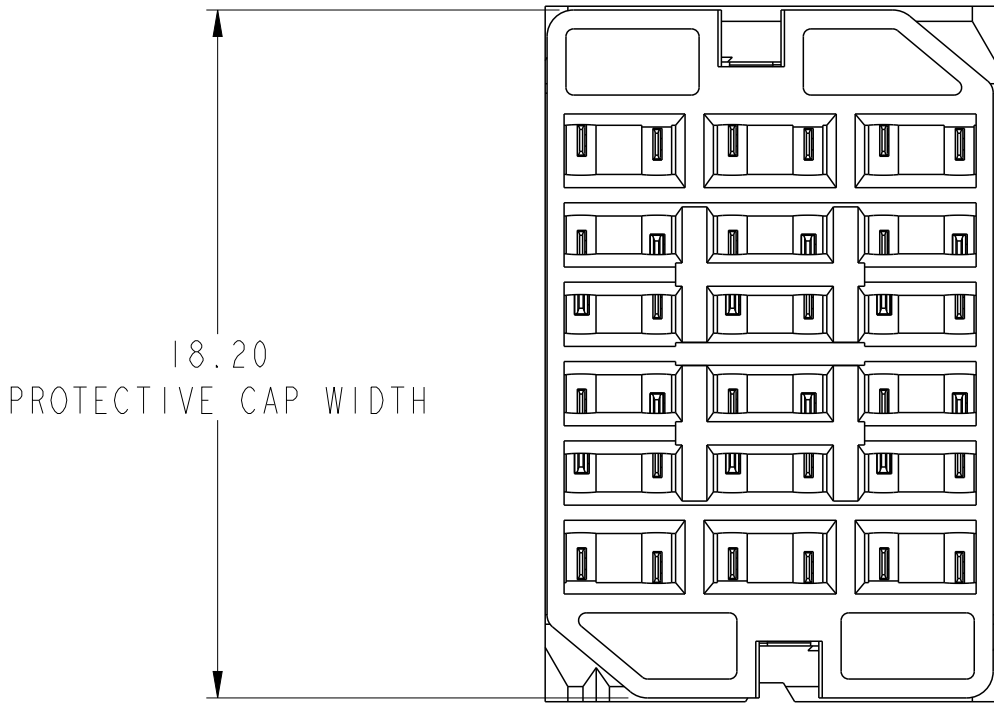
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|                                                                                                                  |  |         |       |                 |                               |                                                                   |  |                                                                                                                                                                                                                                       |                          |                 |           |              |
|------------------------------------------------------------------------------------------------------------------|--|---------|-------|-----------------|-------------------------------|-------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|-----------|--------------|
| spec ref -                                                                                                       |  |         |       | dr Sandar Soe   |                               | 2012/09/13                                                        |  | <div>projection</div> <div></div> <div>MM</div> <div></div> | size A2                  |                 | scale 5:1 |              |
| tolerance std ASME Y14.5                                                                                         |  |         |       | eng Terry Luo   |                               | 2021/08/25                                                        |  |                                                                                                                                                                                                                                       | ecn no ELX-DG-42149-1    |                 |           |              |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                                                            |  |         |       | chr -           |                               |                                                                   |  |                                                                                                                                                                                                                                       | rel level Released       |                 |           |              |
|                                                                                                                  |  |         |       | appr Heaven Cen |                               | 2021/11/01                                                        |  |                                                                                                                                                                                                                                       | product family AIRMAX VS |                 |           |              |
| surface -<br><br>ASME Y14.5 |  | linear  | 0.X   | ±0.3            | <b>Amphenol</b><br><b>FCi</b> | title AIRMAX VS2 VERTICAL HEADER<br>3 PAIR 54 POS 2MM 6 COL, GXT+ |  |                                                                                                                                                                                                                                       |                          | dwg no 10122769 | rev D     |              |
|                                                                                                                  |  |         | 0.XX  | ±0.10           |                               |                                                                   |  |                                                                                                                                                                                                                                       |                          |                 |           |              |
|                                                                                                                  |  |         | 0.XXX | ±0.050          |                               |                                                                   |  |                                                                                                                                                                                                                                       |                          |                 |           |              |
|                                                                                                                  |  | angular | 0°    | ±2°             |                               | cat. no. -                                                        |  | Product - Customer Drw                                                                                                                                                                                                                |                          |                 |           | sheet 1 of 4 |

PDS: Rev :D

STATUS:Released

Printed: Nov 01, 2021

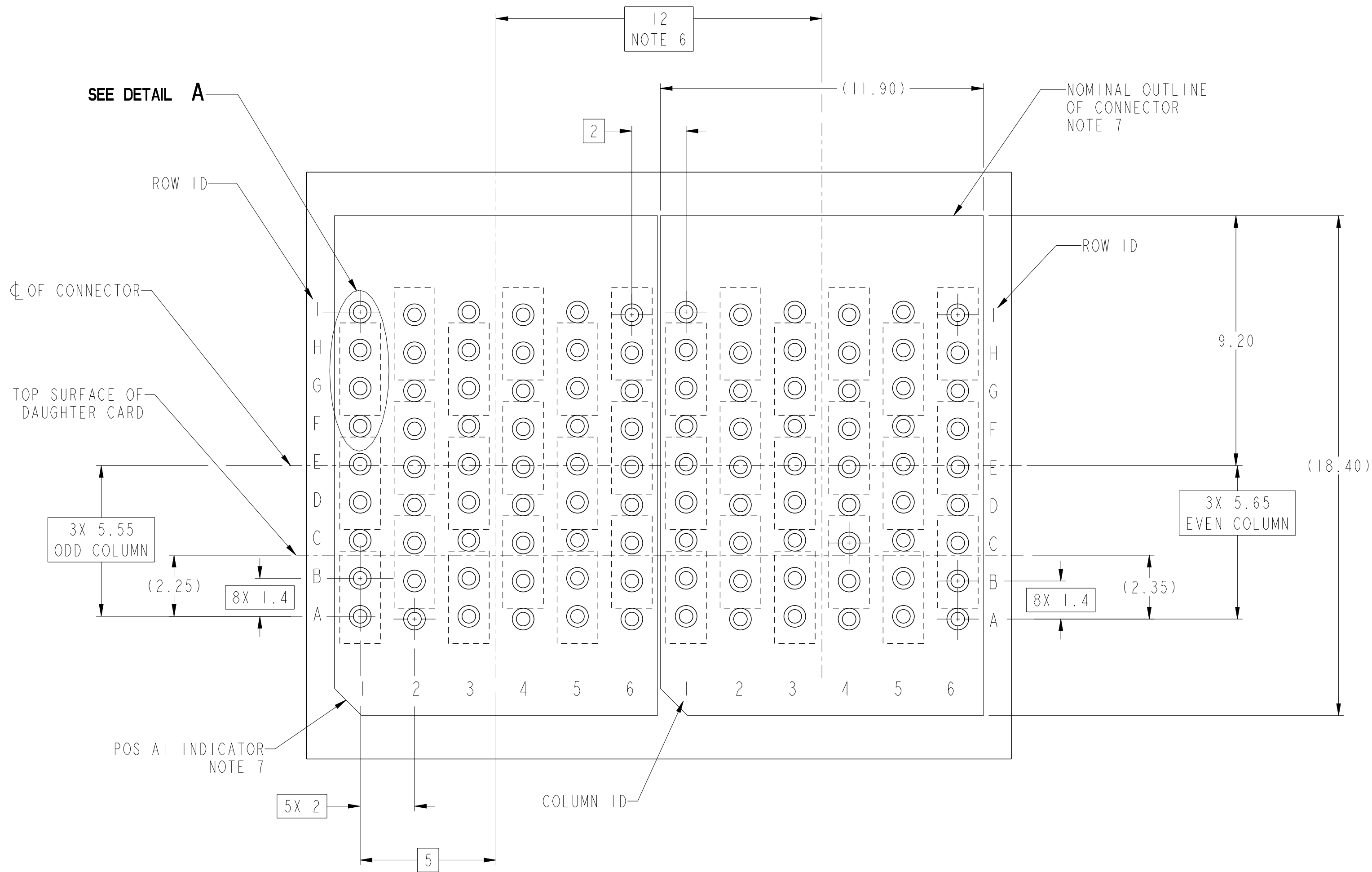


VIEWS SHOWN WITH  
PROTECTIVE COVER INSTALLED  
10122769-101LF

Amphenol  
FCi

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|               |  |                                       |  |                 |  |                                                                      |  |                                   |                           |                          |  |           |  |
|---------------|--|---------------------------------------|--|-----------------|--|----------------------------------------------------------------------|--|-----------------------------------|---------------------------|--------------------------|--|-----------|--|
| spec ref -    |  |                                       |  | dr Sandar Soe   |  | 2012/09/13                                                           |  | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size A2                  |  | scale 5:1 |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng Terry Luo   |  | 2021/08/25                                                           |  |                                   |                           | ecn no ELX-DG-42149-1    |  |           |  |
| ASME Y14.5    |  |                                       |  | chr -           |  | -                                                                    |  |                                   |                           | rel level Released       |  |           |  |
| -             |  |                                       |  | appr Heaven Cen |  | 2021/11/01                                                           |  |                                   |                           | product family AIRMAX VS |  |           |  |
| surface -     |  | linear                                |  | Amphenol<br>FCi |  | title<br>AIRMAX VS2 VERTICAL HEADER<br>3 PAIR 54 POS 2MM 6 COL, GXT+ |  | dwg no<br>10122769                |                           | rev<br>D                 |  |           |  |
| ASME Y14.5    |  | 0.X ±0.3                              |  |                 |  |                                                                      |  |                                   |                           |                          |  |           |  |
|               |  | 0.XX ±0.10                            |  |                 |  |                                                                      |  |                                   |                           |                          |  |           |  |
|               |  | 0.XXX ±0.050                          |  | cat. no.        |  | -                                                                    |  | Product - Customer Drw            |                           | sheet 2 of 4             |  |           |  |
|               |  | angular 0° ±2°                        |  |                 |  |                                                                      |  |                                   |                           |                          |  |           |  |



RECOMMENDED PCB LAYOUT  
FOR DIFFERENTIAL APPLICATIONS,  
COMPONENT SIDE  
(TWO ADJACENT FOOTPRINTS SHOWN)  
NOTES 6, AND 8

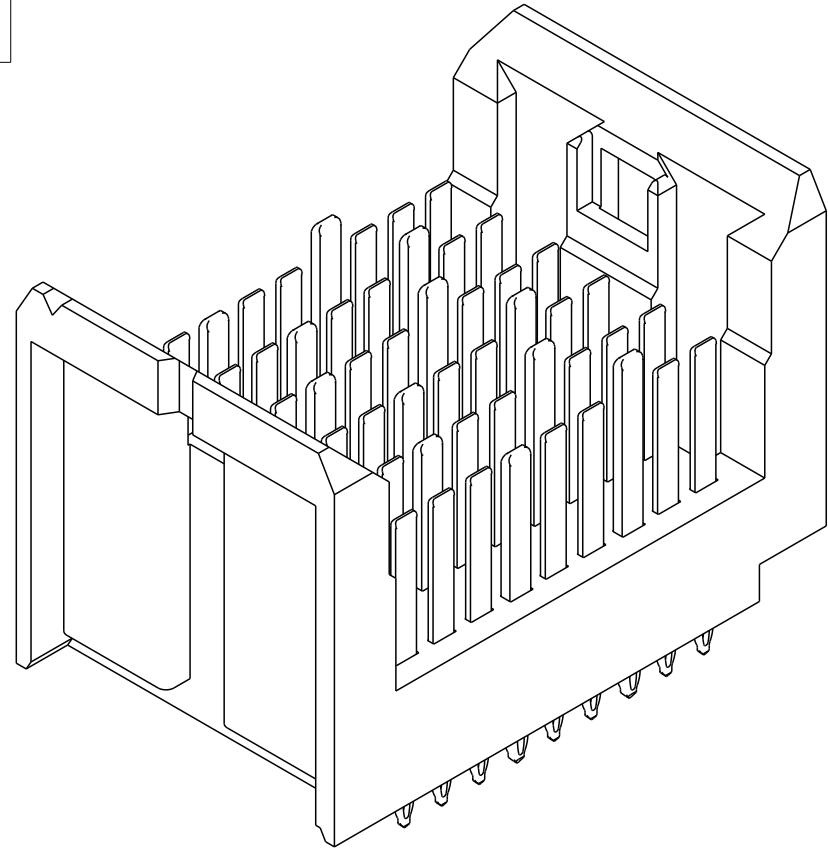
|               |                                                                                       |        |            |            |                                                                                       |                                                                                       |                            |                |           |     |   |       |                        |
|---------------|---------------------------------------------------------------------------------------|--------|------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------|----------------|-----------|-----|---|-------|------------------------|
| spec ref -    |                                                                                       | dr     | Sandar Soe | 2012/09/13 |  |  | size                       | A2             | scale     | 3:1 |   |       |                        |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                 | eng    | Terry Luo  | 2021/08/25 |                                                                                       |                                                                                       | ecn no                     | ELX-DG-42149-1 |           |     |   |       |                        |
| ASME Y14.5    |                                                                                       | chr    | -          | -          |                                                                                       |                                                                                       | rel level                  | Released       |           |     |   |       |                        |
| -             |                                                                                       | appr   | Heaven Cen | 2021/11/01 |                                                                                       |                                                                                       | product family             |                | AIRMAX VS |     |   |       |                        |
| surface -     |  | linear | 0.X        | ±0.3       | Amphenol<br>FCi                                                                       | title                                                                                 | AIRMAX VS2 VERTICAL HEADER | dwg no         | 10122769  | rev | D |       |                        |
|               |                                                                                       |        |            |            |                                                                                       |                                                                                       |                            |                |           |     |   | 0.XX  | ±0.10                  |
|               |                                                                                       |        |            |            |                                                                                       |                                                                                       |                            |                |           |     |   | 0.XXX | ±0.050                 |
| ASME Y14.5    | angular                                                                               | 0°     | ±2°        | cat. no.   |                                                                                       |                                                                                       |                            |                |           |     |   | -     | Product - Customer Drw |



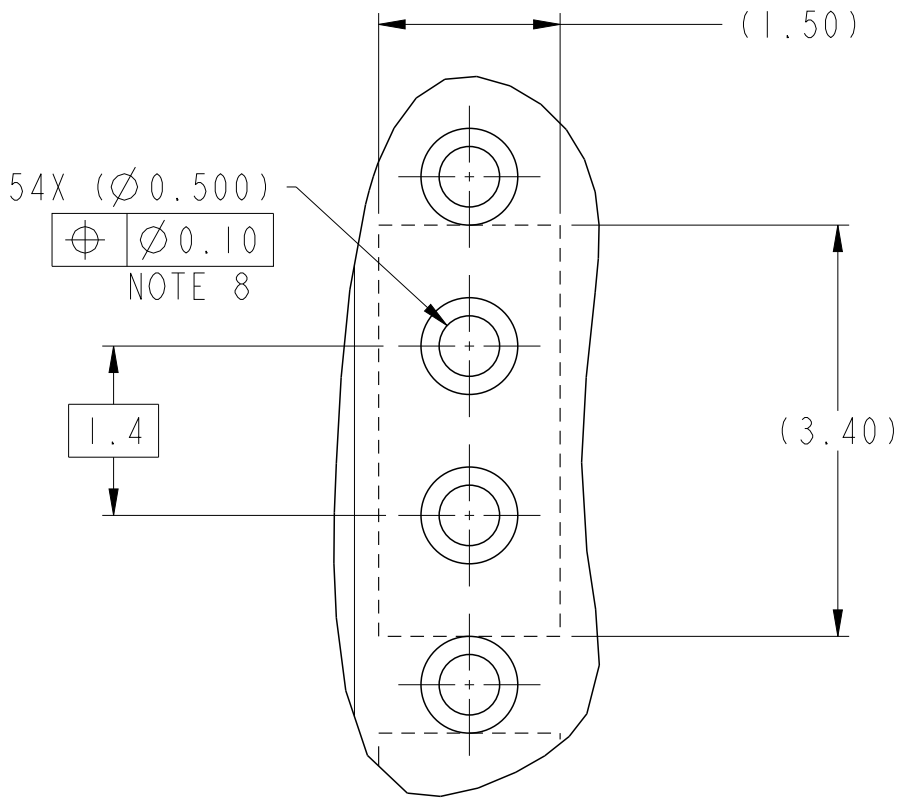
| PART NUMBER    | PRESS-FIT TAIL PLATING TYPE | PROTECTIVE COVER | FIRST MATE PIN LOCATIONS (5.6mm) | SHORT DETECTION PIN OPTION |          | REMARKS         |
|----------------|-----------------------------|------------------|----------------------------------|----------------------------|----------|-----------------|
|                |                             |                  |                                  | LOCATION                   | QUANTITY |                 |
| 10122769-101LF | TIN OVER NICKEL (LEAD FREE) | YES              | F1, F3, F5, G2, G4, G6           | NA                         | NA       | 2-SIDED PLATING |
| 10122769-111LF | TIN OVER NICKEL (LEAD FREE) | YES              | F1, F3, F5, G2, G4, G6           | H3                         | 1        |                 |

NOTES:

1. CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94V-0  
CONTACT: COPPER ALLOY
2. CONTACT PLATING:  
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-239 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE  
PRESS-FIT TAILS: SEE TABLE
3. PRODUCT SPECIFICATION: GS-12-239.
4. APPLICATION SPECIFICATION: GS-20-035.
5. PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
6. THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 12.0 mm.
7. CONNECTOR OUTLINE WITH HOUSING POS A1 INDICATOR MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
8. REFER TO CUSTOMER DRAWING 10104444 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS.
9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
10. PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
11. FOR REMOVAL OF THE PROTECTIVE CAP BY HAND GRIP USING THESE SURFACES.
12. FOR REMOVAL OF THE PROTECTIVE CAP WITH PLIERS GRIP USING THIS FEATURE.
13. SHORT DETECTION PIN IS 0.50mm LESS WIPE NOMINAL THAN THE SHORTEST PIN.



10122769-101LF



DETAIL A  
SCALE 16:1

|               |                                                                                       |            |         |        |              |            |                                                                                       |                                                                                       |        |                        |        |          |          |           |
|---------------|---------------------------------------------------------------------------------------|------------|---------|--------|--------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|------------------------|--------|----------|----------|-----------|
| spec ref -    |                                                                                       |            |         | dr     | Sander Soe   | 2012/09/13 |  |  | size   | A2                     | scale  | 5:1      |          |           |
| tolerance std |                                                                                       |            |         | eng    | Terry Luo    | 2021/08/25 |                                                                                       |                                                                                       | ecn no | ELX-DG-42149-1         |        |          |          |           |
| ASME Y14.5    |                                                                                       |            |         | chr    | -            | -          |                                                                                       |                                                                                       |        | rel level              |        |          | Released |           |
| -             |                                                                                       |            |         | appr   | Heaven Cen   | 2021/11/01 |                                                                                       |                                                                                       |        | product family         |        |          |          | AIRMAX VS |
| surface -     |  | linear     | 0.X     | ±0.3   | Amphenol FCI | title      | AIRMAX VS2 VERTICAL HEADER                                                            |                                                                                       |        |                        | dwg no | 10122769 | rev      | D         |
|               |                                                                                       |            | 0.XX    | ±0.10  |              |            |                                                                                       |                                                                                       |        |                        |        |          |          |           |
|               |                                                                                       |            | 0.XXX   | ±0.050 |              |            |                                                                                       |                                                                                       |        |                        |        |          |          |           |
|               |                                                                                       | ASME Y14.5 | angular | 0°     |              |            | ±2°                                                                                   | cat. no.                                                                              | -      | Product - Customer Drw |        |          |          |           |