

A

B

C

D

| PRODUCT NUMBER    | DIM C | DIM D | SHROUD P/N<br>FOR REAR PLUG<br>UP APPLICATIONS |
|-------------------|-------|-------|------------------------------------------------|
| 84809-X01ZZZ(L)LF | 10.00 | 11.88 | 84811-X01LF                                    |
| 84809-X02ZZZ(L)LF | 22.00 | 23.88 | 84811-X02LF                                    |
| 84809-X03ZZZ(L)LF | 34.00 | 35.88 | 84811-X03LF                                    |
| 84809-X04ZZZ(L)LF | 46.00 | 47.88 | 84811-X04LF                                    |

PART NUMBER : 84809-XYZZZ(L)LF

LEAD FREE

LUBRICATED (OPTIONAL) SEE NOTE 6 

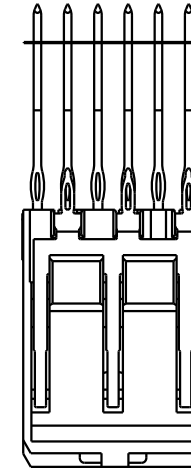
SPECIAL LOAD PATTERN

NUMBER MODULES

PLATING PERFORMANCE   
SEE NOTE 6

## \*ROW C INFORMATION

ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED  
TO GROUND INTERNALLY WITHIN THE HOUSING. THE  
EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT.  
FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE  
EVEN COLUMNS BE GROUND COMMONED WITHIN PCB.  
SEE NOTE 11

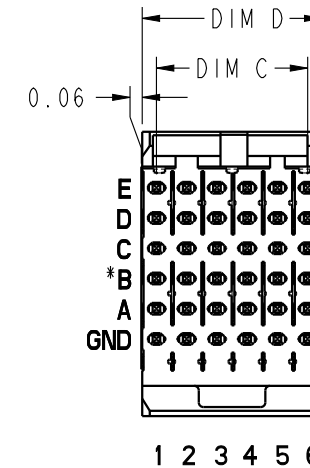
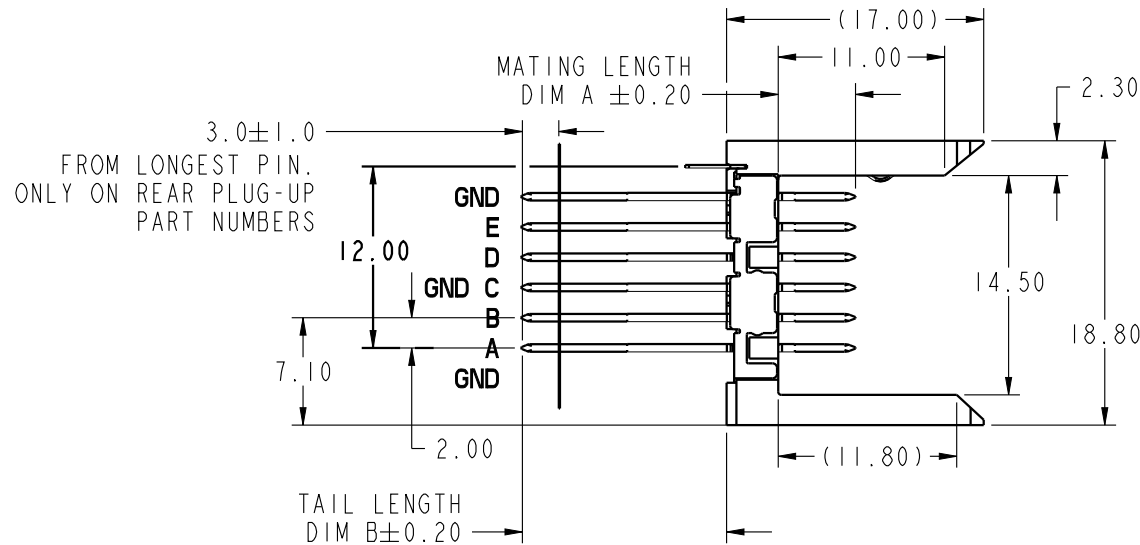


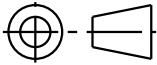
A

B

C

D



|               |         |                |            |                                                                                       |             |                            |                        |              |     |
|---------------|---------|----------------|------------|---------------------------------------------------------------------------------------|-------------|----------------------------|------------------------|--------------|-----|
| spec ref      | dr      | P-Mathew Nebu  | 2011/05/20 | projection                                                                            | MM          | size                       | A4                     | scale        | 1:1 |
| tolerance std | eng     | Rahul Mohan-M  | 2021/07/21 |  |             | ecn no                     | ELX-I-41714-1          |              |     |
| ISO 406       | chr     | -              | -          |                                                                                       |             | rel level                  | Released               |              |     |
| ISO 1101      | appr    | Kuriakose, San | 2021/08/16 | product family                                                                        | METRAL 2000 |                            |                        |              |     |
| surface       | linear  | 0.X            | ±0.3       | Amphenol<br>FCi                                                                       | title       | VERTICAL SIGNAL HDR. 5 ROW | dwg no                 | 84809        | rev |
|               |         | 0.XX           | ±0.13      |                                                                                       |             | P.F. SPECIAL LOAD EXT.     |                        |              | V   |
|               |         | 0.XXX          | ±0.050     | amphenol-icc.com                                                                      | cat. no.    |                            | Product - Customer Drw | sheet 1 of 6 |     |
| ISO 1302      | angular | 0°             | ±2°        |                                                                                       |             |                            |                        |              |     |

Creo File:ELX-MC-AAC\_REV F\_2020-12-21

2

3

PDS: Rev :V

STATUS:Released

Printed: Aug 17, 2021

| PIN NO. | DIM A MATING LENGTH | DIM B TAIL LENGTH | PCB THICKNESS RANGE<br>ACCOMMODATED BY PIN'S TAIL LENGTH |             |                                                      |             |             |
|---------|---------------------|-------------------|----------------------------------------------------------|-------------|------------------------------------------------------|-------------|-------------|
|         |                     |                   | WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE        |             | WHEN MATING TO A 52057 SERIES METRAL 4000 RECEPTACLE |             |             |
|         |                     |                   | ROWS: A, B, C, D, AND E                                  | GROUND ROW  | ROWS: A, B, D, AND E                                 | ROW C       | GROUND ROW  |
| 01*     | 5.00                | 4.30              | 1.60 MIN                                                 | 1.60 MIN    | 1.60 MIN                                             | 1.60 MIN    | 1.60 MIN    |
| 22      |                     | 12.20             | 2.95 - 3.80                                              | 2.95 - 4.20 | 2.95 - 3.80                                          | 2.95 - 3.80 | 2.95 - 4.20 |
| 30      |                     | 12.95             | 2.95 - 4.55                                              | 3.25 - 4.95 | 2.95 - 4.55                                          | 2.95 - 4.55 | 3.25 - 4.95 |
| 05      |                     | 13.70             | 2.95 - 5.30                                              | 4.00 - 5.70 | 3.30 - 5.30                                          | 2.95 - 5.30 | 4.00 - 5.70 |
| 35      |                     | 14.45             | 3.05 - 6.05                                              | 4.75 - 6.45 | 4.05 - 6.05                                          | 3.05 - 6.05 | 4.75 - 6.45 |
| 48      |                     | 15.20             | 3.80 - 6.80                                              | 5.50 - 7.20 | 4.80 - 6.80                                          | 3.80 - 6.80 | 5.50 - 7.20 |
| 40      |                     | 15.70             | 4.30 - 7.30                                              | 6.00 - 7.70 | 5.30 - 7.30                                          | 4.30 - 7.30 | 6.00 - 7.70 |
| 65      |                     | 16.40             | 5.00 - 8.00                                              | 6.70 - 8.40 | 6.00 - 8.00                                          | 5.00 - 8.00 | 6.70 - 8.40 |
| 09      |                     | 17.10             | 5.70 - 8.70                                              | 7.40 - 9.10 | 6.70 - 8.70                                          | 5.70 - 8.70 | 7.40 - 9.10 |
| 02*     | 5.75                | 4.30              | 1.60 MIN                                                 | 1.60 MIN    | 1.60 MIN                                             | 1.60 MIN    | 1.60 MIN    |
| 44      |                     | 12.20             | 2.95 - 3.80                                              | 2.95 - 4.20 | 2.95 - 3.80                                          | 2.95 - 3.80 | 2.95 - 4.20 |
| 31      |                     | 12.95             | 2.95 - 4.55                                              | 3.25 - 4.95 | 2.95 - 4.55                                          | 2.95 - 4.55 | 3.25 - 4.95 |
| 06      |                     | 13.70             | 2.95 - 5.30                                              | 4.00 - 5.70 | 3.30 - 5.30                                          | 2.95 - 5.30 | 4.00 - 5.70 |
| 36      |                     | 14.45             | 3.05 - 6.05                                              | 4.75 - 6.45 | 4.05 - 6.05                                          | 3.05 - 6.05 | 4.75 - 6.45 |
| 49      |                     | 15.20             | 3.80 - 6.80                                              | 5.50 - 7.20 | 4.80 - 6.80                                          | 3.80 - 6.80 | 5.50 - 7.20 |
| 25      |                     | 15.70             | 4.30 - 7.30                                              | 6.00 - 7.70 | 5.30 - 7.30                                          | 4.30 - 7.30 | 6.00 - 7.70 |
| 66      |                     | 16.40             | 5.00 - 8.00                                              | 6.70 - 8.40 | 6.00 - 8.00                                          | 5.00 - 8.00 | 6.70 - 8.40 |
| 10      |                     | 17.10             | 5.70 - 8.70                                              | 7.40 - 9.10 | 6.70 - 8.70                                          | 5.70 - 8.70 | 7.40 - 9.10 |
| 03*     | 6.50                | 4.30              | 1.60 MIN                                                 | 1.60 MIN    | 1.60 MIN                                             | 1.60 MIN    | 1.60 MIN    |
| 45      |                     | 12.20             | 2.95 - 3.80                                              | 2.95 - 4.20 | 2.95 - 3.80                                          | 2.95 - 3.80 | 2.95 - 4.20 |
| 32      |                     | 12.95             | 2.95 - 4.55                                              | 3.25 - 4.95 | 2.95 - 4.55                                          | 2.95 - 4.55 | 3.25 - 4.95 |
| 07      |                     | 13.70             | 2.95 - 5.30                                              | 4.00 - 5.70 | 3.30 - 5.30                                          | 2.95 - 5.30 | 4.00 - 5.70 |
| 37      |                     | 14.45             | 3.05 - 6.05                                              | 4.75 - 6.45 | 4.05 - 6.05                                          | 3.05 - 6.05 | 4.75 - 6.45 |
| 50      |                     | 15.20             | 3.80 - 6.80                                              | 5.50 - 7.20 | 4.80 - 6.80                                          | 3.80 - 6.80 | 5.50 - 7.20 |
| 41      |                     | 15.70             | 4.30 - 7.30                                              | 6.00 - 7.70 | 5.30 - 7.30                                          | 4.30 - 7.30 | 6.00 - 7.70 |
| 24      |                     | 16.40             | 5.00 - 8.00                                              | 6.70 - 8.40 | 6.00 - 8.00                                          | 5.00 - 8.00 | 6.70 - 8.40 |
| 11      |                     | 17.10             | 5.70 - 8.70                                              | 7.40 - 9.10 | 6.70 - 8.70                                          | 5.70 - 8.70 | 7.40 - 9.10 |

\* STUB PINS - NO REAR PLUG-UP

\*\* THE GREATEST RANGE OCCURS WHEN THE B DIMENSION OF PIN 'GND' IS ONE SIZE SHORTER THEN THE OTHER PINS.

|               |                                       |         |        |               |                  |                                   |                           |                            |                        |                |        |              |  |           |          |
|---------------|---------------------------------------|---------|--------|---------------|------------------|-----------------------------------|---------------------------|----------------------------|------------------------|----------------|--------|--------------|--|-----------|----------|
| spec ref      |                                       | dr      |        | P-Mathew Nebu | 2011/05/20       | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                       | A4                     | scale          | 1:1    |              |  |           |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        | eng           | Rahul Mohan-M    |                                   |                           | 2021/07/21                 | ecn no                 | ELX-I-41714-1  |        |              |  |           |          |
|               |                                       |         |        | chr           | -                |                                   |                           | -                          |                        |                |        |              |  |           |          |
|               |                                       |         |        | appr          | Kuriakose, San   |                                   |                           | 2021/08/16                 |                        | product family |        | METRAL 2000  |  | rel level | Released |
| surface       | linear                                | 0.X     | ±0.3   | Amphenol FCI  | title            |                                   |                           | VERTICAL SIGNAL HDR. 5 ROW |                        |                | dwg no | 84809        |  | rev       | V        |
|               |                                       | 0.XX    | ±0.13  |               |                  |                                   |                           |                            |                        |                |        |              |  |           |          |
|               |                                       | 0.XXX   | ±0.050 |               |                  |                                   |                           |                            |                        |                |        |              |  |           |          |
|               | ISO 1302                              | angular | 0°     | ±2°           | amphenol-icc.com | cat. no.                          |                           |                            | Product - Customer Drw |                |        | sheet 2 of 6 |  |           |          |

| PIN NO. | DIM A<br>MATING<br>LENGTH | DIM B<br>TAIL<br>LENGTH | PCB THICKNESS RANGE<br>ACCOMMODATED BY PIN LENGTH    |             |                                                         |             |             |
|---------|---------------------------|-------------------------|------------------------------------------------------|-------------|---------------------------------------------------------|-------------|-------------|
|         |                           |                         | WHEN MATING TO A 73981 OR<br>84688 SERIES RECEPTACLE |             | WHEN MATING TO A 52057 SERIES<br>METRAL 4000 RECEPTACLE |             |             |
|         |                           |                         | ROWS: A, B,<br>C, D, AND E                           | GROUND ROW  | ROWS: A, B,<br>D, AND E                                 | ROW C       | GROUND ROW  |
| 04*     | 7.25                      | 4.30                    | 1.60 MIN                                             | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 46      |                           | 12.20                   | 2.95 - 3.80                                          | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 33      |                           | 12.95                   | 2.95 - 4.55                                          | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 08      |                           | 13.70                   | 2.95 - 5.30                                          | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 38      |                           | 14.45                   | 3.05 - 6.05                                          | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 51      |                           | 15.20                   | 3.80 - 6.80                                          | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 42      |                           | 15.70                   | 4.30 - 7.30                                          | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 67      |                           | 16.40                   | 5.00 - 8.00                                          | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 12      |                           | 17.10                   | 5.70 - 8.70                                          | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |
| 19*     | 8.00                      | 4.30                    | 1.60 MIN                                             | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 47      |                           | 12.20                   | 2.95 - 3.80                                          | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 34      |                           | 12.95                   | 2.95 - 4.55                                          | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 20      |                           | 13.70                   | 2.95 - 5.30                                          | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 39      |                           | 14.45                   | 3.05 - 6.05                                          | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 52      |                           | 15.20                   | 3.80 - 6.80                                          | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 43      |                           | 15.70                   | 4.30 - 7.30                                          | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 68      |                           | 16.40                   | 5.00 - 8.00                                          | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 21      |                           | 17.10                   | 5.70 - 8.70                                          | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |

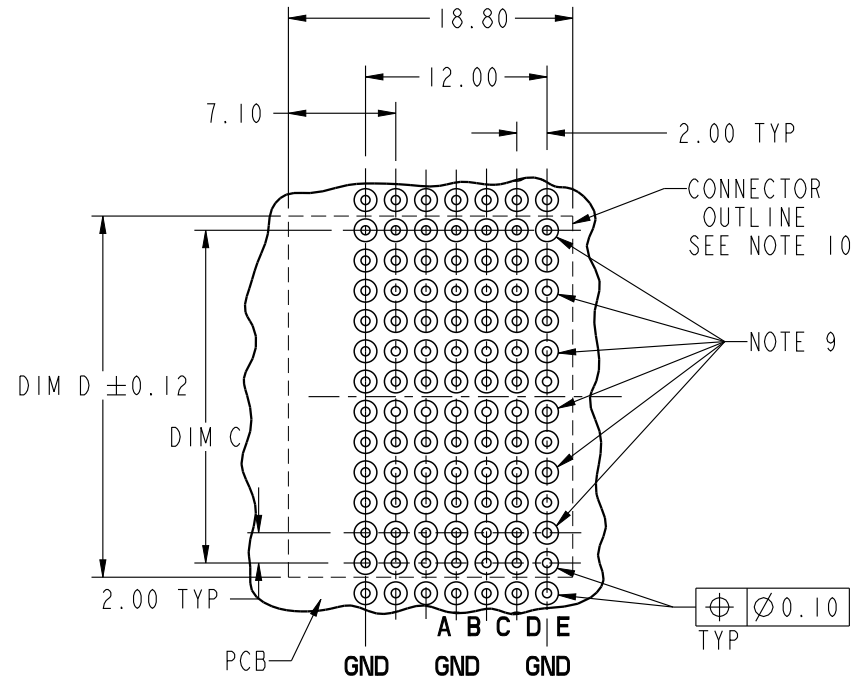
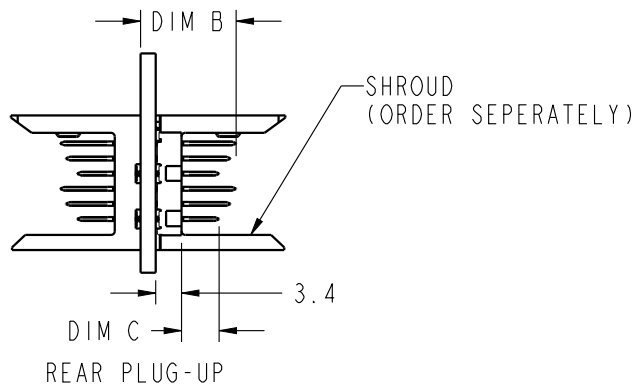
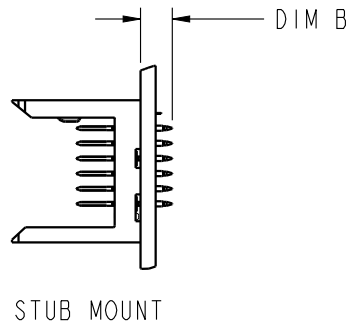
\* STUB PINS - NO REAR PLUG-UP

\*\* THE GREATEST RANGE OCCURS  
WHEN THE B DIMENSION OF PIN  
'GND' IS ONE SIZE SHORTER THEN  
THE OTHER PINS.

|               |                                       |         |        |               |                        |                       |               |                |                            |                |        |              |               |     |   |
|---------------|---------------------------------------|---------|--------|---------------|------------------------|-----------------------|---------------|----------------|----------------------------|----------------|--------|--------------|---------------|-----|---|
| spec ref      |                                       | dr      |        | P-Mathew Nebu | 2011/05/20             | <div>projection</div> | <div>MM</div> | size           | A4                         | scale          | 1:1    |              |               |     |   |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        | eng           | Rahul Mohan-M          |                       |               | 2021/07/21     | ecn no                     |                |        |              | ELX-I-41714-1 |     |   |
|               |                                       |         |        | chr           | -                      |                       |               | -              | rel level                  |                |        |              | Released      |     |   |
|               |                                       |         |        | appr          |                        |                       |               | Kuriakose, San | 2021/08/16                 | product family |        | METRAL 2000  |               |     |   |
| surface       | linear                                | 0.X     | ±0.3   | Amphenol FCI  | title                  |                       |               |                | VERTICAL SIGNAL HDR. 5 ROW |                | dwg no | 84809        |               | rev | V |
|               |                                       | 0.XX    | ±0.13  |               |                        |                       |               |                |                            |                |        |              |               |     |   |
|               |                                       | 0.XXX   | ±0.050 |               | P.F. SPECIAL LOAD EXT. |                       |               |                |                            |                |        |              |               |     |   |
|               | ISO 1302                              | angular | 0°     | ±2°           | amphenol-icc.com       | cat. no.              |               |                | Product - Customer Drw     |                |        | sheet 3 of 6 |               |     |   |

PRODUCT NUMBER

SEE SHEET 1



SHOWN FROM HEADER SIDE OF CIRCUIT BOARD  
FOR PTH REFER DRAWING 58351.

|               |                                       |         |        |              |                  |                            |                        |               |                |               |              |     |           |          |
|---------------|---------------------------------------|---------|--------|--------------|------------------|----------------------------|------------------------|---------------|----------------|---------------|--------------|-----|-----------|----------|
| spec ref      |                                       |         |        | dr           | P-Mathew Nebu    | 2011/05/20                 | <div>projection</div>  | <div>MM</div> | size           | A4            | scale        | 1:1 |           |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        | eng          | Rahul Mohan-M    | 2021/07/21                 |                        |               | ecn no         | ELX-I-41714-1 |              |     |           |          |
|               |                                       |         |        | chr          | -                | -                          |                        |               |                |               |              |     |           |          |
|               |                                       |         |        | appr         | Kuriakose, San   | 2021/08/16                 |                        |               | product family |               | METRAL 2000  |     | rel level | Released |
| surface       | linear                                | 0.X     | ±0.3   | Amphenol FCI | title            | VERTICAL SIGNAL HDR. 5 ROW |                        |               |                | dwg no        | 84809        |     | rev       | V        |
|               |                                       | 0.XX    | ±0.13  |              |                  |                            |                        |               |                |               |              |     |           |          |
|               |                                       | 0.XXX   | ±0.050 |              |                  |                            |                        |               |                |               |              |     |           |          |
|               | ISO 1302                              | angular | 0°     | ±2°          | amphenol-icc.com | cat. no.                   | Product - Customer Drw |               |                |               | sheet 4 of 6 |     |           |          |

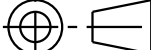
Crea File: ELX-MC-AAC, REV F, 2020-12-21

## PRODUCT NUMBER

SEE SHEET 1

## NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
2. SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
3. SEE FCI PUBLICATION 950511-029 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
5. MATERIAL : BODY : THERMOPLASTIC UL94-V0.  
: CONTACT : COPPER ALLOY.
6. FOR PLATING PERFORMANCE REFER DRAWING # 10159408.
7. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.  
FOR MATING WITH METRAL 1000 RECEPTACLES  
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E  
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A  
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E  
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A  
FOR MATING WITH METRAL 4000 RECEPTACLES  
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A, B, D & E  
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C  
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A  
DIM C : 5.00mm MIN, 7.00mm MAX FOR ROWS A, B, D 0.000  
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C  
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
8. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 2.9mm SINCE THE COMPLIANT SECTIONS OF THE GROUND SPRING OF THE HEADER DIRECTLY OPPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FOR FRONT PLUG-UP ONLY APPLICATIONS IS 1.6mm.
9. THESE HOLES ARE NEEDED FOR REAR PLUG-UP DESIGNS USING A SHROUD AND MAY BE OMITTED FOR FRONT PLUG-UP ONLY DESIGNS.
10. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.
11. FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW 'C' CAN BE USED FOR POWER AS WELL AS FOR GROUND. IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY 1 AMP. WHEN THE SURROUNDING PINS ARE USED ONLY FOR LOW SPEED SIGNALS, THEN THE EVEN NUMBERED 'C' ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS. THIS IS NOT TRUE FOR REAR PLUG-UP APPLICATIONS USING METRAL 2000 SHROUD AS IN THIS CASE ALL 'C' ROW PINS ARE COMMON TO GROUND.
12. THE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
13. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN
14. A  $\Delta$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

|                                                                                                            |        |         |        |                 |                  |                                                      |                                                                                       |                                                                                       |        |               |              |           |          |   |
|------------------------------------------------------------------------------------------------------------|--------|---------|--------|-----------------|------------------|------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|---------------|--------------|-----------|----------|---|
| spec ref                                                                                                   |        |         |        | dr              | P-Mathew Nebu    | 2011/05/20                                           |  |  | size   | A4            | scale        | 1:1       |          |   |
| tolerance std                                                                                              |        |         |        | eng             | Rahul Mohan-M    | 2021/07/21                                           |                                                                                       |                                                                                       | ecn no | ELX-I-41714-1 |              |           |          |   |
| ISO 406<br>ISO 1101                                                                                        |        |         |        | chr             | -                | -                                                    |                                                                                       |                                                                                       |        |               |              |           |          |   |
|                                                                                                            |        |         |        | appr            | Kuriakose, San   | 2021/08/16                                           | product family                                                                        |                                                                                       |        | METRAL 2000   |              | rel level | Released |   |
| surface<br><br>ISO 1302 | linear | 0.X     | ±0.3   | Amphenol<br>FCi | title            | VERTICAL SIGNAL HDR. 5 ROW<br>P.F. SPECIAL LOAD EXT. |                                                                                       |                                                                                       |        | dwg no        | 84809        |           | rev      | V |
|                                                                                                            |        | 0.XX    | ±0.13  |                 |                  |                                                      |                                                                                       |                                                                                       |        |               |              |           |          |   |
|                                                                                                            |        | 0.XXX   | ±0.050 |                 |                  |                                                      |                                                                                       |                                                                                       |        |               |              |           |          |   |
|                                                                                                            |        | angular | 0°     | ±2°             | amphenol-icc.com | cat. no.                                             | Product - Customer Drw                                                                |                                                                                       |        |               | sheet 5 of 6 |           |          |   |

Crea File:ELX-MC-AAC,REV F,2020-12-21

## SPECIAL LOAD PATTERNS

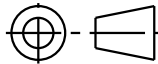
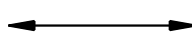
| PRODUCT #              | ROW | PIN CODES |
|------------------------|-----|-----------|
| 84809-XXX001LF         | E   | 01        |
|                        | D   |           |
|                        | C   |           |
|                        | B   |           |
|                        | A   |           |
|                        | GND |           |
| 84809-XXX007LF<br>*RPU | E   | 40        |
|                        | D   |           |
|                        | C   |           |
|                        | B   |           |
|                        | A   |           |
|                        | GND |           |
| 84809-XXX011LF         | E   | 02        |
|                        | D   |           |
|                        | C   |           |
|                        | B   |           |
|                        | A   |           |
|                        | GND | 01        |
| 84809-XXX050LF         | E   | 01        |
|                        | D   | 01        |
|                        | C   | 02        |
|                        | B   | 01        |
|                        | A   |           |
|                        | GND |           |
| 84809-XXX051LF<br>*RPU | E   | 31        |
|                        | D   |           |
|                        | C   |           |
|                        | B   |           |
|                        | A   |           |
|                        | GND | 22        |

84809-XXX052LF

|     |    |
|-----|----|
| E   | 03 |
| D   |    |
| C   |    |
| B   |    |
| A   |    |
| GND | 02 |

\*REAR PLUG-UP PART NUMBER

PCB THICKNESS  
RANGE FOR REAR  
PLUG UP  
APPLICATIONS:  
6.00mm - 7.30 mmPCB THICKNESS  
RANGE FOR REAR  
PLUG UP  
APPLICATIONS:  
2.95mm - 4.20mm

|               |                                       |        |        |                  |                |            |                                                                                                             |                                                                                                     |           |               |              |          |                |   |
|---------------|---------------------------------------|--------|--------|------------------|----------------|------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------|---------------|--------------|----------|----------------|---|
| spec ref      |                                       |        |        | dr               | P-Mathew Nebu  | 2011/05/20 | <div>projection</div>  | <div>MM</div>  | size      | A4            | scale        | 1:1      |                |   |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |        | eng              | Rahul Mohan-M  | 2021/07/21 |                                                                                                             |                                                                                                     | ecn no    | ELX-I-41714-1 |              |          |                |   |
|               |                                       |        |        | chr              | -              | -          |                                                                                                             |                                                                                                     | rel level |               |              | Released |                |   |
|               |                                       |        |        | appr             | Kuriakose, San | 2021/08/16 |                                                                                                             |                                                                                                     |           |               |              |          | product family |   |
| surface       | <div>ISO 1302</div> <div>✓</div>      | linear | 0.X    | ±0.3             | Amphenol FCI   | title      | VERTICAL SIGNAL HDR. 5 ROW                                                                                  |                                                                                                     |           | dwg no        | 84809        |          | rev            | V |
| 0.XX          |                                       |        | ±0.13  |                  |                |            |                                                                                                             |                                                                                                     |           |               |              |          |                |   |
| 0.XXX         |                                       |        | ±0.050 |                  |                |            |                                                                                                             |                                                                                                     |           |               |              |          |                |   |
| ISO 1302      | angular                               | 0°     | ±2°    | amphenol-icc.com | cat. no.       |            | Product - Customer Drw                                                                                      |                                                                                                     |           |               | sheet 6 of 6 |          |                |   |