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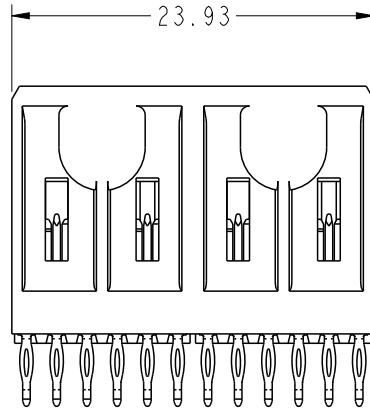
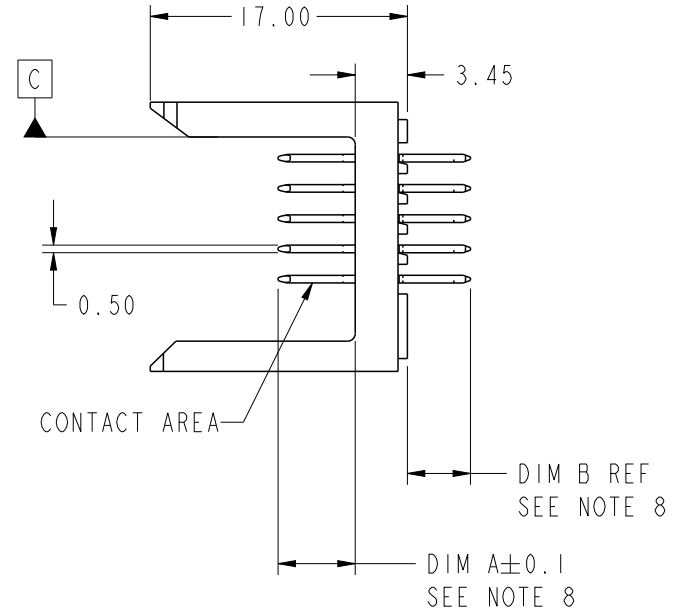
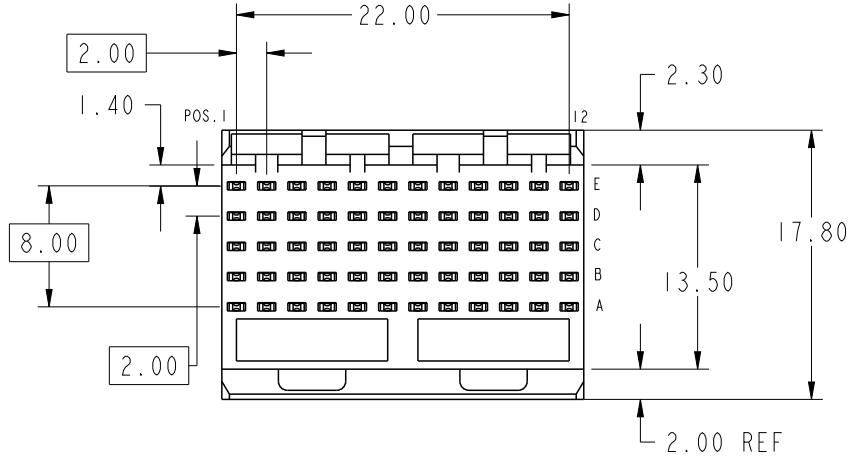
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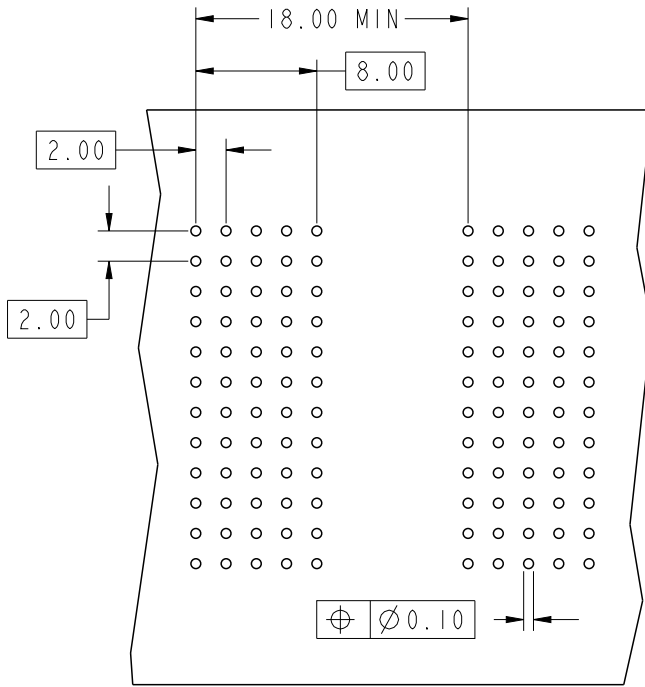
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PRODUCT NUMBER  
89007-XYLFF



|                                       |  |                           |  |                         |  |                                                                |  |                        |  |                             |  |           |  |
|---------------------------------------|--|---------------------------|--|-------------------------|--|----------------------------------------------------------------|--|------------------------|--|-----------------------------|--|-----------|--|
| spec ref                              |  | dr <b>Terran Huang</b>    |  | 2010/07/09              |  | projection                                                     |  | size A4                |  | scale 2:1                   |  |           |  |
| tolerance std                         |  | eng <b>Narayanan, Aru</b> |  | 2018/06/21              |  |                                                                |  | mm                     |  | ecn no <b>ELX-I-30523-1</b> |  |           |  |
| ISO 406<br>ISO 1101                   |  | chr -                     |  | -                       |  |                                                                |  | ← →                    |  | rel level <b>Released</b>   |  |           |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  | appr <b>K-Paul Biju</b>   |  | 2018/06/27              |  | product family <b>METRAL</b>                                   |  |                        |  |                             |  |           |  |
| surface                               |  | linear                    |  | <b>Amphenol<br/>FCi</b> |  | title<br><b>METRAL SIGNAL HEADER</b><br>2 MOD, 5 ROW PRESS-FIT |  | dwg no<br><b>89007</b> |  | rev                         |  |           |  |
| ISO 1302 ✓                            |  | 0.X                       |  |                         |  |                                                                |  |                        |  | ±0.3                        |  | <b>AK</b> |  |
|                                       |  | 0.XX                      |  |                         |  |                                                                |  |                        |  | ±0.13                       |  |           |  |
|                                       |  | 0.XXX                     |  | ±0.050                  |  |                                                                |  | cat. no. *             |  | Product - Customer Drw      |  |           |  |
|                                       |  | angular                   |  | 0°                      |  | ±2°                                                            |  |                        |  | sheet 1 of 13               |  |           |  |



REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE  
SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

| KEY (SIGNAL PF) |              |              |
|-----------------|--------------|--------------|
| CODE            | DIMENSIONS   |              |
|                 | DIM "A" MATE | DIM "B" TAIL |
| 1               | 5.00         | 4.30         |
| 2               | 5.75         | 4.30         |
| 3               | 6.50         | 4.30         |
| 4               | 7.25         | 4.30         |
| 5               | 5.00         | 13.60        |
| 6               | 5.75         | 13.60        |
| 7               | 6.50         | 13.60        |
| 8               | 7.25         | 13.60        |
| 9               | 5.00         | 17.00        |
| 10              | 5.75         | 17.00        |
| 11              | 6.50         | 17.00        |
| 12              | 7.25         | 17.00        |
| 13              | 8.25         | 4.30         |
| 14              | 8.25         | 13.60        |
| 15              | 8.25         | 17.00        |
| 16              | 7.00         | 4.30         |
| 17              | 7.00         | 13.60        |
| 18              | 7.00         | 17.00        |
| 19              | 8.00         | 4.30         |
| 20              | 8.00         | 13.60        |
| 21              | 8.00         | 17.00        |

|                                       |         |       |                |                 |                |        |                        |               |               |       |     |
|---------------------------------------|---------|-------|----------------|-----------------|----------------|--------|------------------------|---------------|---------------|-------|-----|
| spec ref *                            |         | dr    | Terran Huang   | 2010/07/09      | projection<br> | mm<br> | size                   | A4            | scale         | 2:1   |     |
| tolerance std                         |         | eng   | Narayanan, Aru | 2018/06/21      |                |        | ecn no                 | ELX-I-30523-1 |               |       |     |
| ISO 406<br>ISO 1101                   |         | chr   | -              | -               |                |        | rel level              | Released      |               |       |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |         | appr  | K-Paul Biju    | 2018/06/27      | product family |        | METRAL                 |               |               |       |     |
| surface                               | linear  | 0.X   | ±0.3           | Amphenol<br>FCi | title          |        | METRAL SIGNAL HEADER   |               | dwg no        | 89007 | rev |
|                                       |         | 0.XX  | ±0.13          |                 |                |        |                        |               |               |       |     |
|                                       |         | 0.XXX | ±0.050         |                 |                |        |                        |               |               |       |     |
| ISO 1302                              | angular | 0°    | ±2°            | cat. no.        |                | -      | Product - Customer Drw |               | sheet 2 of 13 |       |     |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X10LF | E   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X14LF | E   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | C   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | B   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X19LF | E   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | D   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | C   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | B   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X11LF | E   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X15LF | E   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X20LF | E   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X12LF | E   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X16LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X21LF | E   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X13LF | E   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|             | D   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | C   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|             | B   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|             | A   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X17LF | E   | 2                   | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|             | D   | 2                   | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|             | C   | 2                   | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|             | B   | 2                   | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X22LF | E   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |

|                     |                                       |        |                |                        |                |                        |               |               |       |     |
|---------------------|---------------------------------------|--------|----------------|------------------------|----------------|------------------------|---------------|---------------|-------|-----|
| spec ref            | *                                     | dr     | Terran Huang   | 2010/07/09             | projection     |                        | size          | A4            | scale | 1:1 |
| tolerance std       | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng    | Narayanan, Anu | 2018/06/21             |                |                        | ecn no        | ELX-I-30523-1 |       |     |
| ISO 406<br>ISO 1101 |                                       | chr    | -              | -                      |                |                        | rel level     | Released      |       |     |
| surface             | linear                                | appr   | K-Paul Biju    | 2018/06/27             | product family | METRAL                 | rev           |               |       |     |
|                     | 0.X                                   | ±0.3   |                | METRAL SIGNAL HEADER   |                |                        | dwg no        | 89007         |       |     |
|                     | 0.XX                                  | ±0.13  |                | 2 MOD, 5 ROW PRESS-FIT |                |                        |               |               |       |     |
|                     | 0.XXX                                 | ±0.050 |                | cat. no.               | -              | Product - Customer Drw | sheet 3 of 13 |               |       |     |
| ISO 1302            | angular                               | 0°     | ±2°            |                        |                |                        |               |               |       |     |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X23LF | E   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|             | D   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | C   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|             | B   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|             | A   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X27LF | E   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|             | D   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|             | C   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|             | B   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X32LF | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | A   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X24LF | E   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | C   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | B   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X29LF | E   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | D   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | C   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | B   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X33LF | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | D   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X25LF | E   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X30LF | E   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|             | D   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|             | C   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|             | B   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|             | A   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X34LF | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X26LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X31LF | E   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X35LF | E   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | D   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |

|                     |         |       |                |            |                |                        |           |               |        |       |     |    |
|---------------------|---------|-------|----------------|------------|----------------|------------------------|-----------|---------------|--------|-------|-----|----|
| spec ref            |         | dr    | Terran Huang   | 2010/07/09 | projection<br> | mm<br>                 | size      | A4            | scale  | 1:1   |     |    |
| tolerance std       |         | eng   | Narayanan, Aru | 2018/06/21 |                |                        | ecn no    | ELX-I-30523-1 |        |       |     |    |
| ISO 406<br>ISO 1101 |         | chr   | -              | -          |                |                        | rel level | Released      |        |       |     |    |
| surface             |         | appr  | K-Paul Biju    | 2018/06/27 | product family |                        | METRAL    | rev           |        |       |     |    |
| ISO 1302            | linear  | 0.X   | ±0.3           |            | Amphenol FCI   | METRAL SIGNAL HEADER   |           |               | dwg no | 89007 | rev | AK |
|                     |         | 0.XX  | ±0.13          |            |                | 2 MOD, 5 ROW PRESS-FIT |           |               |        |       |     |    |
|                     |         | 0.XXX | ±0.050         |            |                | cat. no.               |           |               |        |       |     |    |
|                     | angular | 0°    | ±2°            |            |                |                        |           |               |        |       |     |    |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X36LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X41LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X45LF | E   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|             | D   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | C   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|             | B   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | A   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X37LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X42LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | C   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X46LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | C   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X39LF | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | D   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X43LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X47LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X40LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|             | B   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X44LF | E   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|             | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | C   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X48LF | E   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | D   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | C   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | B   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |

|                                       |         |       |                |            |                 |                      |                        |               |               |     |
|---------------------------------------|---------|-------|----------------|------------|-----------------|----------------------|------------------------|---------------|---------------|-----|
| spec ref                              |         | dr    | Terran Huang   | 2010/07/09 | projection<br>  | mm<br>               | size                   | A4            | scale         | 1:1 |
| tolerance std                         |         | eng   | Narayanan, Anu | 2018/06/21 |                 |                      | ecn no                 | ELX-I-30523-1 |               |     |
| ISO 406<br>ISO 1101                   |         | chr   | -              | -          |                 |                      | rel level              | Released      |               |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |         | appr  | K-Paul Biju    | 2018/06/27 | product family  |                      | METRAL                 |               | rev           |     |
| surface                               | linear  | 0.X   | ±0.3           |            | Amphenol<br>FCi | METRAL SIGNAL HEADER | dwg no                 | 89007         | rev           | AK  |
|                                       |         | 0.XX  | ±0.13          |            |                 |                      |                        |               |               |     |
|                                       |         | 0.XXX | ±0.050         |            |                 |                      |                        |               |               |     |
| ISO 1302                              | angular | 0°    | ±2°            |            | cat. no.        | *                    | Product - Customer Drw |               | sheet 5 of 13 |     |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X49LF | E   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|             | D   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|             | C   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|             | B   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X53LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X57LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X50LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | B   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X54LF | E   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | C   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X58LF | E   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | D   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | C   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | B   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X51LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X55LF | E   | 5                   | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  |
|             | D   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | C   | 5                   | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  |
|             | B   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | A   | 5                   | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X59LF | E   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|             | D   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | C   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | B   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X52LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | C   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X56LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | C   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X60LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |

|                     |         |       |                |            |                |                        |           |               |       |     |
|---------------------|---------|-------|----------------|------------|----------------|------------------------|-----------|---------------|-------|-----|
| spec ref            |         | dr    | Terran Huang   | 2010/07/09 | projection<br> | mm<br>                 | size      | A4            | scale | 1:1 |
| tolerance std       |         | eng   | Narayanan, Anu | 2018/06/21 |                |                        | ecn no    | ELX-I-30523-1 |       |     |
| ISO 406<br>ISO 1101 |         | chr   | -              | -          |                |                        | rel level | Released      |       |     |
| surface             |         | appr  | K-Paul Biju    | 2018/06/27 | product family |                        | METRAL    |               | rev   |     |
| ISO 1302            | linear  | 0.X   | ±0.3           |            | Amphenol FCI   | METRAL SIGNAL HEADER   |           | dwg no        | 89007 | AK  |
|                     |         | 0.XX  | ±0.13          |            |                | 2 MOD, 5 ROW PRESS-FIT |           |               |       |     |
|                     |         | 0.XXX | ±0.050         |            |                | cat. no.               | *         |               |       |     |
|                     | angular | 0°    | ±2°            |            |                |                        |           |               |       |     |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X61LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | D   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X65LF | E   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  |
|             | D   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  |
|             | B   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |
|             | A   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X69LF | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X62LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | D   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X66LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 |
| 89007-X70LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  |
|             | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X63LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |

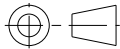
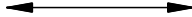
| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X67LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X71LF | E   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  |
|             | D   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 |
|             | C   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  |
|             | B   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 |
|             | A   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X64LF | E   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 |
|             | A   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X68LF | E   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |
|             | D   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |
|             | C   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |
|             | B   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 |
| 89007-X72LF | E   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 |
|             | D   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  |
|             | C   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  |
|             | B   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 |

|                     |         |                                       |                |                        |                                                                                                     |                                                                                             |           |               |       |     |
|---------------------|---------|---------------------------------------|----------------|------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|---------------|-------|-----|
| spec ref            |         | dr                                    | Terran Huang   | 2010/07/09             | projection<br> | mm<br> | size      | A4            | scale | 1:1 |
| tolerance std       |         | eng                                   | Narayanan, Anu | 2018/06/21             |                                                                                                     |                                                                                             | ecn no    | ELX-I-30523-1 |       |     |
| ISO 406<br>ISO 1101 |         | chr                                   | -              | -                      |                                                                                                     |                                                                                             | rel level | Released      |       |     |
| surface             |         | appr                                  | K-Paul Biju    | 2018/06/27             | product family                                                                                      |                                                                                             | METRAL    |               | rev   |     |
| ISO 1302            | linear  | TOLERANCES UNLESS OTHERWISE SPECIFIED |                | Amphenol<br>FCi        | METRAL SIGNAL HEADER                                                                                |                                                                                             | dwg no    | 89007         |       | AK  |
|                     |         | 0.X                                   | ±0.3           |                        | 2 MOD, 5 ROW PRESS-FIT                                                                              |                                                                                             |           |               |       |     |
|                     |         | 0.XX                                  | ±0.13          |                        | cat. no. *                                                                                          |                                                                                             |           |               |       |     |
|                     | angular | 0°                                    | ±2°            | Product - Customer Drw |                                                                                                     | sheet 7 of 13                                                                               |           |               |       |     |



A

B

C

D

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X73LF   | E   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|               | D   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|               | C   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|               | B   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
| A             | 13  | 13                     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X77LF   | E   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|               | D   | 19                     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
|               | C   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|               | B   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
| A             | 3   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X81LF   | E   | 7                      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|               | D   | 20                     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|               | C   | 7                      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|               | B   | 20                     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
| A             | 7   | 7                      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X74LF   | E   | 13                     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 | 13 |
|               | D   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|               | C   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|               | B   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
| A             | 13  | 13                     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X78LF   | E   | 13                     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 | 13 |
|               | D   | 16                     | 16 | 16 | 16 | 16 | 16     | 16 | 16 | 16 | 16 | 16 | 16 |
|               | C   | 2                      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|               | B   | 16                     | 16 | 16 | 16 | 16 | 16     | 16 | 16 | 16 | 16 | 16 | 16 |
| A             | 13  | 13                     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X82LF   | E   | 20                     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|               | D   | 5                      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  |
|               | C   | 5                      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  |
|               | B   | 5                      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  |
| A             | 20  | 20                     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|---------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X75LF   | E   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|               | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|               | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|               | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
| A             | 3   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X79LF   | E   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|               | D   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|               | C   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|               | B   | 19                     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 |
| A             | 4   | 4                      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X83LF   | E   | 8                      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|               | D   | 8                      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|               | C   | 8                      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|               | B   | 8                      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
| A             | 14  | 14                     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|---------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X76LF   | E   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|               | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|               | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
|               | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
| A             | 4   | 4                      | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|---------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X80LF   | E   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|               | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|               | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|               | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
| A             | 6   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X84LF   | E   | 14                     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 | 14 |
|               | D   | 8                      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|               | C   | 7                      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|               | B   | 8                      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
| A             | 14  | 14                     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 |    |

|               |  |                                       |              |                           |                        |            |                      |                |                        |        |               |                           |  |     |  |
|---------------|--|---------------------------------------|--------------|---------------------------|------------------------|------------|----------------------|----------------|------------------------|--------|---------------|---------------------------|--|-----|--|
| spec ref      |  |                                       |              | dr <b>Terran Huang</b>    |                        | 2010/07/09 |                      | projection     |                        | size   |               | scale                     |  |     |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |              | eng <b>Narayanan, Anu</b> |                        | 2018/06/21 |                      |                |                        | mm     |               | A4                        |  |     |  |
| ISO 406       |  |                                       |              | chr -                     |                        |            |                      |                |                        | ecn no |               | ELX-I-30523-1             |  |     |  |
| ISO 1101      |  |                                       |              | appr <b>K-Paul Biju</b>   |                        | 2018/06/27 |                      | product family |                        | METRAL |               | rel level <b>Released</b> |  |     |  |
| surface       |  | linear ✓                              | 0.X ±0.3     |                           | Amphenol<br><b>FCI</b> |            | METRAL SIGNAL HEADER |                |                        |        |               | dwg no                    |  | rev |  |
|               |  |                                       | 0.XX ±0.13   |                           |                        |            |                      |                |                        |        |               |                           |  |     |  |
|               |  |                                       | 0.XXX ±0.050 |                           |                        |            |                      |                |                        |        |               |                           |  |     |  |
| ISO 1302      |  | angular                               | 0° ±2°       |                           | cat. no.               |            | *                    |                | Product - Customer Drw |        | sheet 8 of 13 |                           |  |     |  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X85LF | E   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X89LF | E   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | D   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | C   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|             | B   | 17                  | 17 | 17 | 17 | 17 | 17     | 17 | 17 | 17 | 17 | 17 | 17 |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X93LF | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | D   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | A   | 15                  | 15 | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-X86LF | E   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5  | 5  |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8  | 8  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X90LF | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X94LF | E   | 15                  | 15 | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 |
|             | D   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|             | A   | 15                  | 15 | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X87LF | E   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | D   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 |
|             | C   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|             | B   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |
|             | A   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X91LF | E   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | D   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | B   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X95LF | E   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X88LF | E   | 14                  | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 | 14 |
|             | D   | 17                  | 17 | 17 | 17 | 17 | 17     | 17 | 17 | 17 | 17 | 17 | 17 |
|             | C   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|             | B   | 17                  | 17 | 17 | 17 | 17 | 17     | 17 | 17 | 17 | 17 | 17 | 17 |
|             | A   | 14                  | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X92LF | E   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 |
|             | D   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 89007-X96LF | E   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | D   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |

|                                      |                                                                               |                     |                                |                            |                |                      |                        |                               |        |         |
|--------------------------------------|-------------------------------------------------------------------------------|---------------------|--------------------------------|----------------------------|----------------|----------------------|------------------------|-------------------------------|--------|---------|
| spec ref                             | *                                                                             | dr                  | <a href="#">Terran Huang</a>   | <a href="#">2010/07/09</a> | projection<br> | mm<br>               | size                   | A4                            | scale  | 1:1     |
| tolerance std<br>ISO 406<br>ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED                                         | eng                 | <a href="#">Narayanan, Anu</a> | <a href="#">2018/06/21</a> |                |                      | ecn no                 | <a href="#">ELX-I-30523-1</a> |        |         |
|                                      |                                                                               | chr                 | -                              | -                          |                |                      | rel level              | <b>Released</b>               |        |         |
| surface                              | linear<br>0.X    ±0.3<br>0.XX   ±0.13<br>0.XXX ±0.050<br>angular<br>0°    ±2° | appr                | <a href="#">K-Paul Biju</a>    | <a href="#">2018/06/27</a> | product family | METRAL               |                        | rev                           |        |         |
| ISO 1302                             |                                                                               | <b>Amphenol FCI</b> |                                |                            | part no        | METRAL SIGNAL HEADER |                        |                               | dwg no | 89007   |
|                                      |                                                                               |                     |                                |                            | cat. no.       | -                    | Product - Customer Drw |                               | sheet  | 9 of 13 |
|                                      |                                                                               |                     |                                |                            |                |                      |                        |                               |        | AK      |

Amphenol FCI

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A

B

C

D

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |    |    |
| 89007-X97LF | E   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|             | D   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |    |    |
| 89007-X98LF | E   | 15                  | 15 | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
|             | D   | 18                  | 18 | 18 | 18 | 18 | 18     | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|             | B   | 18                  | 18 | 18 | 18 | 18 | 18     | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
|             | A   | 15                  | 15 | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N  | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |    |    |
| 89007-X99LF | E   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|             | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|             | B   | 18                  | 18 | 18 | 18 | 18 | 18     | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X100LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 1 |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X101LF | E   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  | 3 | 3 |
|              | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 3 | 2  | 3  | 2  | 3 | 2 |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 3 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 3 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  | 1  | 1  | 1 | 3 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X102LF | E   | 2                   | 2 | 2 | 2 | 1 | 1      | 2 | 1 | 2 | 2  | 1  | 1  | 1 | 1 |
|              | D   | 2                   | 2 | 2 | 2 | 1 | 1      | 2 | 2 | 2 | 2  | 1  | 1  | 1 | 1 |
|              | C   | 1                   | 2 | 2 | 2 | 1 | 1      | 2 | 2 | 1 | 1  | 1  | 1  | 1 | 1 |
|              | B   | 2                   | 2 | 2 | 2 | 1 | 1      | 2 | 2 | 2 | 2  | 1  | 1  | 1 | 1 |
|              | A   | 1                   | 2 | 1 | 2 | 1 | 1      | 2 | 2 | 1 | 1  | 1  | 1  | 1 | 1 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X103LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 5 | 6 | 6  | 6  | 6  | 6 | 5 |
|              | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X104LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 5 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |
|              | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X105LF | E   | 3                   | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 3 | 2  | 2  | 2  | 2 | 2 |
|              | D   | 3                   | 2 | 2 | 2 | 2 | 2      | 4 | 2 | 3 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 3                   | 2 | 2 | 2 | 2 | 2      | 1 | 2 | 2 | 4  | 2  | 2  | 2 | 2 |
|              | B   | 3                   | 2 | 2 | 2 | 2 | 2      | 4 | 4 | 3 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 3                   | 2 | 2 | 2 | 2 | 2      | 4 | 4 | 3 | 4  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X106LF | E   | 2                   | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 2                   | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 2                   | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X107LF | E   | 2                   | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 2                   | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X108LF | E   | 2                   | 2 | 2 | 4 | 2 | 4      | 2 | 2 | 1 | 4  | 2  | 2  | 2 | 2 |
|              | D   | 2                   | 2 | 2 | 4 | 2 | 4      | 2 | 2 | 1 | 4  | 2  | 2  | 2 | 2 |
|              | C   | 2                   | 2 | 2 | 4 | 4 | 4      | 2 | 2 | 1 | 4  | 2  | 2  | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 4 | 2 | 4      | 1 | 2 | 2 | 4  | 2  | 2  | 2 | 2 |
|              | A   | 2                   | 2 | 2 | 4 | 2 | 4      | 1 | 2 | 2 | 4  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X109LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 5 | 2 | 2  | 2  | 2  | 2 | 5 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X110LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 1                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 1 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X111LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3  | 2  | 2 | 2 |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3  | 2  | 2 | 2 |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 3  | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 3  | 2 | 2 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 3 | 2 |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |   |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |   |
| 89007-X112LF | E   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | D   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | C   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | B   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |
|              | A   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  | 2 | 2 |

|               |                                                  |              |                        |                        |            |       |          |               |           |          |                |
|---------------|--------------------------------------------------|--------------|------------------------|------------------------|------------|-------|----------|---------------|-----------|----------|----------------|
| spec ref      | *                                                | dr           | Terran Huang           | 2010/07/09             | projection | mm    | size     | A4            | scale     | 1:1      |                |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED            | eng          | Narayanan, Aru         | 2018/06/21             |            | ↔     | ecn no   | ELX-I-30523-1 | rel level | Released |                |
| ISO 406       |                                                  | chr          | -                      | -                      |            |       |          |               |           |          |                |
| ISO 1101      |                                                  | appr         | K-Paul Biju            | 2018/06/27             |            |       |          |               |           |          | product family |
| surface       | linear                                           | Amphenol FCI |                        | METRAL SIGNAL HEADER   |            |       |          | dwg no        | 89007     | rev      | AK             |
|               | angular                                          |              |                        | 2 MOD, 5 ROW PRESS-FIT |            |       |          |               |           |          |                |
| ISO 1302      | 0.X ±0.3<br>0.XX ±0.13<br>0.XXX ±0.050<br>0° ±2° | cat. no.     | Product - Customer Drw |                        |            | sheet | 10 of 13 |               |           |          |                |

Creo Title -- REV E -- 2016-02-12

1 2 3 4

A

B

C

D

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 2 | 2 | 2 | 2 | 3      | 2 | 2 | 2 | 2  | 2  | 3  |
| 89007-X113LF | D   | 2                   | 2 | 2 | 2 | 3 | 2      | 2 | 2 | 2 | 2  | 3  | 3  |
|              | C   | 2                   | 2 | 2 | 2 | 3 | 2      | 2 | 2 | 2 | 2  | 3  | 3  |
|              | B   | 2                   | 2 | 2 | 2 | 3 | 2      | 2 | 2 | 2 | 2  | 3  | 3  |
|              | A   | 2                   | 2 | 2 | 2 | 3 | 2      | 2 | 2 | 2 | 2  | 3  | 3  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 6 | 7 | 6 | 7 | 6      | 6 | 7 | 6 | 7  | 6  | 7  |
| 89007-X117LF | D   | 6                   | 7 | 6 | 7 | 6 | 6      | 7 | 6 | 6 | 6  | 7  |    |
|              | C   | 6                   | 7 | 6 | 7 | 6 | 6      | 7 | 6 | 6 | 6  | 7  |    |
|              | B   | 6                   | 7 | 6 | 7 | 6 | 6      | 7 | 6 | 6 | 6  | 7  |    |
|              | A   | 6                   | 6 | 7 | 6 | 6 | 6      | 7 | 6 | 6 | 6  | 6  | 7  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 1 | 1 | 3 | 1 | 1      | 1 | 1 | 3 | 1  | 1  | 1  |
| 89007-X121LF | D   | 1                   | 1 | 3 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 1  | 1  |
|              | C   | 1                   | 1 | 3 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 1  | 1  |
|              | B   | 1                   | 1 | 3 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 1  | 1  |
|              | A   | 1                   | 1 | 3 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 1  | 1  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 1 | 1 | 1 | 3 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |
| 89007-X125LF | D   | 1                   | 1 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  |    |
|              | C   | 1                   | 1 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  |    |
|              | B   | 1                   | 1 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  |    |
|              | A   | 1                   | 1 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  |    |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 2 | 3 | 2 | 3 | 2      | 2 | 3 | 2 | 2  | 3  | 2  |
| 89007-X114LF | D   | 2                   | 3 | 2 | 3 | 2 | 2      | 3 | 2 | 2 | 3  | 2  | 3  |
|              | C   | 2                   | 3 | 2 | 3 | 2 | 2      | 3 | 2 | 2 | 3  | 2  | 3  |
|              | B   | 2                   | 3 | 2 | 3 | 2 | 2      | 3 | 2 | 2 | 3  | 2  | 3  |
|              | A   | 2                   | 2 | 3 | 2 | 2 | 3      | 2 | 3 | 2 | 2  | 2  | 2  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 3 | 2 | 2 | 3 | 2      | 3 | 2 | 3 | 2  | 2  | 2  |
| 89007-X118LF | D   | 3                   | 2 | 2 | 3 | 2 | 3      | 2 | 3 | 2 | 2  | 2  | 3  |
|              | C   | 3                   | 2 | 2 | 3 | 1 | 3      | 2 | 3 | 2 | 2  | 2  | 3  |
|              | B   | 3                   | 2 | 2 | 3 | 2 | 3      | 2 | 3 | 2 | 2  | 2  | 3  |
|              | A   | 3                   | 2 | 2 | 3 | 2 | 3      | 2 | 3 | 2 | 2  | 2  | 3  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 3 | 1 | 3 | 1 | 1      | 1 | 3 | 1 | 1  | 1  | 3  |
| 89007-X122LF | D   | 3                   | 1 | 3 | 1 | 1 | 1      | 3 | 1 | 1 | 1  | 3  | 1  |
|              | C   | 3                   | 1 | 3 | 1 | 1 | 1      | 3 | 1 | 1 | 1  | 3  | 1  |
|              | B   | 3                   | 1 | 3 | 1 | 1 | 1      | 3 | 1 | 1 | 1  | 3  | 1  |
|              | A   | 3                   | 1 | 3 | 1 | 1 | 1      | 3 | 1 | 1 | 1  | 3  | 1  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 3 | 2 | 2 | 2 | 2      | 2 | 3 | 2 | 2  | 2  | 2  |
| 89007-X126LF | D   | 3                   | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  |    |
|              | C   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  |    |
|              | B   | 3                   | 2 | 2 | 1 | 2 | 2      | 2 | 3 | 2 | 2  | 2  |    |
|              | A   | 3                   | 2 | 2 | 1 | 2 | 2      | 2 | 3 | 2 | 2  | 2  |    |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 1 | 1 | 3 | 1 | 1      | 3 | 1 | 1 | 3  | 1  | 1  |
| 89007-X115LF | D   | 1                   | 1 | 3 | 1 | 1 | 3      | 1 | 1 | 3 | 3  | 3  |    |
|              | C   | 1                   | 1 | 3 | 1 | 1 | 3      | 1 | 1 | 3 | 3  | 3  |    |
|              | B   | 1                   | 1 | 3 | 1 | 1 | 3      | 1 | 1 | 3 | 3  | 3  |    |
|              | A   | 1                   | 1 | 3 | 1 | 1 | 3      | 1 | 1 | 3 | 3  | 3  |    |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 3 | 1 | 2 | 1 | 1      | 3 | 1 | 1 | 3  | 1  | 1  |
| 89007-X119LF | D   | 3                   | 1 | 2 | 1 | 1 | 3      | 1 | 1 | 3 | 1  | 1  |    |
|              | C   | 3                   | 1 | 2 | 1 | 1 | 3      | 3 | 3 | 3 | 3  | 3  |    |
|              | B   | 3                   | 1 | 2 | 1 | 1 | 3      | 1 | 1 | 3 | 1  | 1  |    |
|              | A   | 3                   | 1 | 2 | 1 | 1 | 3      | 1 | 1 | 3 | 1  | 1  |    |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 3 | 1 | 3 | 2 | 3      | 2 | 2 | 1 | 1  | 3  | 1  |
| 89007-X123LF | D   | 3                   | 1 | 3 | 2 | 3 | 2      | 2 | 1 | 1 | 3  | 1  | 3  |
|              | C   | 3                   | 3 | 3 | 3 | 3 | 2      | 2 | 1 | 1 | 3  | 1  | 3  |
|              | B   | 3                   | 1 | 3 | 1 | 3 | 2      | 2 | 1 | 1 | 3  | 1  | 3  |
|              | A   | 3                   | 1 | 3 | 1 | 3 | 2      | 2 | 1 | 1 | 3  | 1  | 3  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 2 | 2 | 3 | 1 | 2      | 3 | 2 | 2 | 2  | 2  | 3  |
| 89007-X127LF | D   | 2                   | 2 | 3 | 1 | 2 | 3      | 2 | 2 | 2 | 2  | 3  | 2  |
|              | C   | 2                   | 2 | 1 | 1 | 2 | 3      | 2 | 2 | 2 | 2  | 2  |    |
|              | B   | 2                   | 2 | 3 | 2 | 2 | 3      | 2 | 2 | 2 | 2  | 3  | 2  |
|              | A   | 2                   | 2 | 3 | 2 | 2 | 3      | 2 | 2 | 2 | 2  | 3  | 2  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 5 | 5 | 7 | 5 | 5      | 7 | 5 | 5 | 7  | 5  | 5  |
| 89007-X116LF | D   | 5                   | 5 | 7 | 5 | 5 | 7      | 5 | 5 | 7 | 7  | 7  | 7  |
|              | C   | 5                   | 5 | 7 | 5 | 5 | 7      | 5 | 5 | 7 | 7  | 7  | 7  |
|              | B   | 5                   | 5 | 7 | 5 | 5 | 7      | 5 | 5 | 7 | 7  | 7  | 7  |
|              | A   | 5                   | 5 | 7 | 5 | 5 | 7      | 5 | 5 | 7 | 7  | 7  | 7  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 3 | 1  | 1  | 3  |
| 89007-X120LF | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 3  | 1  |
|              | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 3 | 3 | 3  | 3  | 3  |
|              | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 3  | 1  |
|              | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 3 | 1 | 1  | 3  | 1  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 1 | 3 | 1 | 3 | 1      | 1 | 3 | 1 | 1  | 3  | 1  |
| 89007-X124LF | D   | 1                   | 3 | 1 | 3 | 1 | 1      | 3 | 1 | 1 | 3  | 1  | 1  |
|              | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3  |
|              | B   | 1                   | 3 | 1 | 3 | 1 | 1      | 3 | 1 | 1 | 3  | 1  | 1  |
|              | A   | 1                   | 3 | 1 | 3 | 1 | 1      | 3 | 1 | 1 | 3  | 1  | 1  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|              |     | E                   | 3 | 1 | 1 | 2 | 2      | 2 | 2 | 3 | 2  | 3  | 2  |
| 89007-X128LF | D   | 3                   | 1 | 2 | 2 | 2 | 1      | 2 | 3 | 2 | 3  | 2  | 3  |
|              | C   | 1                   | 1 | 2 | 2 | 2 | 2      | 2 | 3 | 2 | 3  | 2  | 3  |
|              | B   | 3                   | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 3 | 2  | 3  | 2  |
|              | A   | 3                   | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 3 | 2  | 3  | 2  |

|               |                     |        |                     |            |            |                        |                |                      |       |     |           |          |  |  |
|---------------|---------------------|--------|---------------------|------------|------------|------------------------|----------------|----------------------|-------|-----|-----------|----------|--|--|
| spec ref      | *                   | dr     | Terran Huang        | 2010/07/09 | projection | mm                     | size           | A4                   | scale | 1:1 |           |          |  |  |
| tolerance std | ISO 406<br>ISO 1101 | eng    | Narayanan, Aru      | 2018/06/21 |            | ←—→                    | ecn no         | ELX-I-30523-1        |       |     |           |          |  |  |
| surface       | linear              | chr    | -                   | -          |            |                        | product family | METRAL               |       |     | rel level | Released |  |  |
|               | angular             | appr   | K-Paul Biju         | 2018/06/27 |            |                        | product name   | METRAL SIGNAL HEADER |       |     | dwg no    | 89007    |  |  |
| surface       | 0.X                 | ±0.3   | <b>Amphenol FCI</b> | cat. no.   | -          | Product - Customer Drw | sheet          | 11 of 13             |       |     | rev       | AK       |  |  |
|               | 0.XX                | ±0.13  |                     |            |            |                        |                |                      |       |     |           |          |  |  |
|               | 0.XXX               | ±0.050 |                     |            |            |                        |                |                      |       |     |           |          |  |  |
| ISO 1302      | 0°                  | ±2°    |                     |            |            |                        |                |                      |       |     |           |          |  |  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-XI29LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 1 | 2 | 2 | 2  | 2  | 2  |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-XI33LF | E   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|              | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|              | C   | 7                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|              | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|              | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-XI30LF | E   | 2                   | 2 | 1 | 2 | 2 | 1      | 2 | 2 | 2 | 2  | 2  | 3  |
|              | D   | 2                   | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 3  |
|              | C   | 2                   | 2 | 1 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 3  |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 3  |
|              | A   | 3                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 3  |

| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-XI34LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | D   | 2                   | 2 | 2 | 2 | 1 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | C   | 2                   | 2 | 2 | 2 | 1 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |



| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |    |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|----|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8  | 9 | 10 | 11 | 12 |
| 89007-XI31LF | E   | 3                   | 3 | 3 | 3 | 3 | 19     | 3 | 19 | 3 | 4  | 3  | 19 |
|              | D   | 3                   | 3 | 3 | 3 | 3 | 19     | 3 | 19 | 3 | 4  | 3  | 19 |
|              | C   | 3                   | 3 | 3 | 3 | 3 | 19     | 3 | 19 | 3 | 4  | 3  | 19 |
|              | B   | 3                   | 3 | 4 | 4 | 4 | 19     | 3 | 19 | 3 | 4  | 3  | 19 |
|              | A   | 3                   | 3 | 2 | 2 | 2 | 2      | 3 | 19 | 3 | 4  | 3  | 19 |


| METRAL P/N   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--------------|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89007-XI32LF | E   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 1  |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |

|                     |                                                                                                                                                                                                                                      |          |                |                        |                |                |       |        |               |          |     |      |             |            |         |                      |  |  |     |    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|------------------------|----------------|----------------|-------|--------|---------------|----------|-----|------|-------------|------------|---------|----------------------|--|--|-----|----|
| spec ref            | *                                                                                                                                                                                                                                    | dr       | Terran Huang   | 2010/07/09             | projection     |                | size  | A4     | scale         | 1:1      |     |      |             |            |         |                      |  |  |     |    |
| tolerance std       | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                | eng      | Narayanan, Anu | 2018/06/21             | mm             |                |       | ecn no | ELX-I-30523-1 |          |     |      |             |            |         |                      |  |  |     |    |
| ISO 406<br>ISO 1101 |                                                                                                                                                                                                                                      | chr      | -              | -                      | product family |                |       | METRAL | rel level     | Released |     |      |             |            |         |                      |  |  |     |    |
| surface             | <table border="1"> <tr> <td rowspan="3">linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td>0.XX</td> <td>±0.13</td> </tr> <tr> <td>0.XXX</td> <td>±0.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table> | linear   | 0.X            | ±0.3                   | 0.XX           | ±0.13          | 0.XXX | ±0.050 | angular       | 0°       | ±2° | appr | K-Paul Biju | 2018/06/27 | part no | METRAL SIGNAL HEADER |  |  | rev | AK |
| linear              | 0.X                                                                                                                                                                                                                                  |          | ±0.3           |                        |                |                |       |        |               |          |     |      |             |            |         |                      |  |  |     |    |
|                     | 0.XX                                                                                                                                                                                                                                 |          | ±0.13          |                        |                |                |       |        |               |          |     |      |             |            |         |                      |  |  |     |    |
|                     | 0.XXX                                                                                                                                                                                                                                | ±0.050   |                |                        |                |                |       |        |               |          |     |      |             |            |         |                      |  |  |     |    |
| angular             | 0°                                                                                                                                                                                                                                   | ±2°      |                |                        |                |                |       |        |               |          |     |      |             |            |         |                      |  |  |     |    |
| ISO 1302            |                                                                                                                                                                                                                                      | cat. no. | -              | Product - Customer Drw | 89007          | sheet 12 of 13 |       |        |               |          |     |      |             |            |         |                      |  |  |     |    |

PRODUCT NUMBER

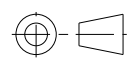
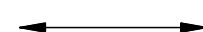
89007-XYLFF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS FILLED.  
FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:  
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:  
89007-XYLFF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
5. PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
6. ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXPLF
7. PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
9. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-47-0004.  
  
ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
10. REFER TO 85832 FOR OTHER LOAD VARIATIONS.
11. PLATING SPEC REFER TO THE DRAWING 10110324.
12. A  SYMBOL WILL BE NEXT TO ANY DIMENSION,  
VIEW, OR NOTE WHICH HAS BEEN MODIFIED  
WITH THE CURRENT DRAWING REVISION.

PLATING IN CONTACT AREA

| DASH NUMBER | PERFORMANCE LEVEL                 | NOTES      |
|-------------|-----------------------------------|------------|
| -N1YLF      | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 9 |
| -N5YLF      | TELCORDIA UE (NXT)                | SEE NOTE 9 |
| -1YLF       | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 9 |
| -2YLF       | TELECOM CLASS                     | SEE NOTE 9 |
| -5YLF       | TELCORDIA UE                      | SEE NOTE 9 |

|                                      |                                          |                 |                |            |                                                                                                     |                                                                                             |           |                        |       |     |
|--------------------------------------|------------------------------------------|-----------------|----------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------------------|-------|-----|
| spec ref *                           |                                          | dr              | Terran Huang   | 2010/07/09 | projection<br> | mm<br> | size      | A4                     | scale | 1:1 |
| tolerance std<br>ISO 406<br>ISO 1101 | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED | eng             | Narayanan, Aru | 2018/06/21 |                                                                                                     |                                                                                             | ecn no    | ELX-I-30523-1          |       |     |
|                                      |                                          | chr             | -              | -          |                                                                                                     |                                                                                             | rel level | Released               |       |     |
| surface                              | linear                                   | appr            | K-Paul Biju    | 2018/06/27 | product family                                                                                      | METRAL                                                                                      |           |                        |       |     |
|                                      | angular                                  | Amphenol<br>FCi |                | part no    |                                                                                                     | METRAL SIGNAL HEADER                                                                        |           | rev                    | AK    |     |
| ISO 1302                             | 0.X ±0.3                                 |                 |                | cat. no.   |                                                                                                     | -                                                                                           |           | Product - Customer Drw |       |     |
|                                      | 0.XX ±0.13                               |                 |                |            |                                                                                                     | 89007                                                                                       |           | sheet 13 of 13         |       |     |
|                                      | 0.XXX ±0.050                             |                 |                |            |                                                                                                     |                                                                                             |           |                        |       |     |
|                                      | 0° ±2°                                   |                 |                |            |                                                                                                     |                                                                                             |           |                        |       |     |