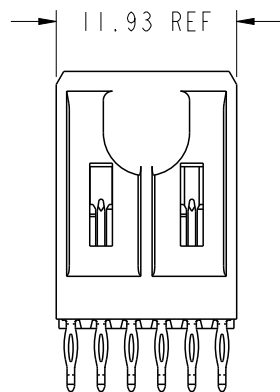
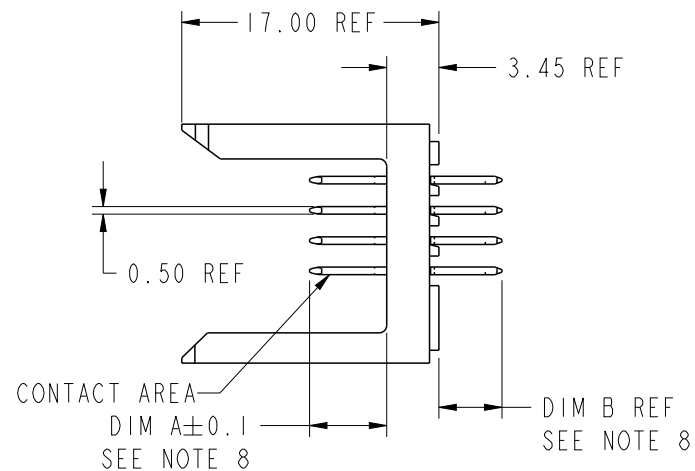
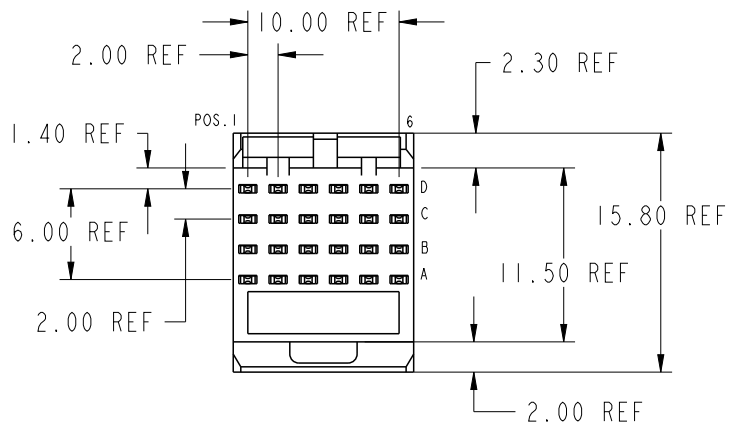


PRODUCT NUMBER

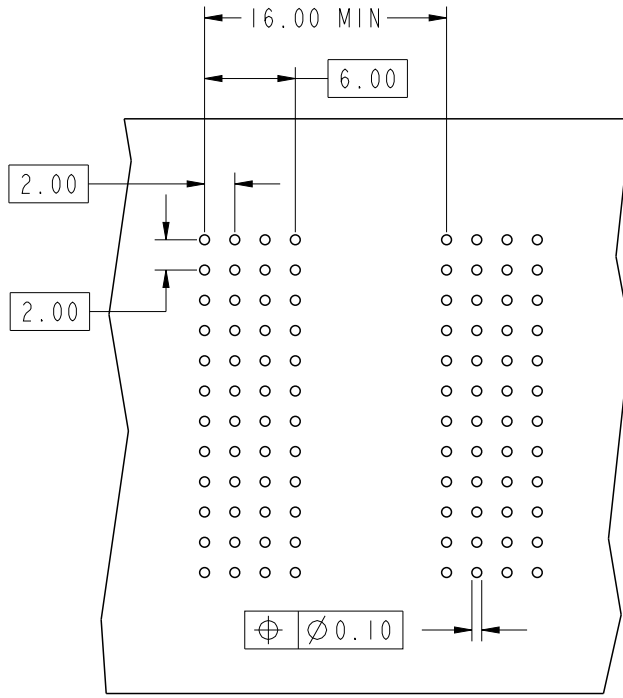
70232-XYLFF



| PLATING IN CONTACT AREA |                                   |             |
|-------------------------|-----------------------------------|-------------|
| DASH NUMBER             | PERFORMANCE LEVEL                 | NOTES       |
| -AYLFF                  | TELCORDIA CO                      | SEE NOTE 10 |
| -NIYLF                  | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -N5YLF                  | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -IYLF                   | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2YLF                   | TELECOM CLASS                     | SEE NOTE 10 |
| -5YLF                   | TELCORDIA UE                      | SEE NOTE 10 |



|                             |                                       |                                      |        |                       |                            |                           |               |
|-----------------------------|---------------------------------------|--------------------------------------|--------|-----------------------|----------------------------|---------------------------|---------------|
| spec ref *                  |                                       | dr <b>Terran Huang</b> 2010/07/08    |        | projection<br>        | mm<br>←→                   | size A4                   | scale 2:1     |
| tolerance std<br>ASME Y14.5 | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng <b>Narayanan, Aru</b> 2018/06/01 |        |                       |                            | ecn no ELX-I-30217-1      |               |
|                             |                                       | chr -                                |        |                       |                            | rel level <b>Released</b> |               |
| surface                     |                                       | appr <b>K-Paul Biju</b> 2018/06/01   |        | product family METRAL |                            | rev                       |               |
| ASME Y14.5                  | linear                                | 0.X                                  | ±0.3   | <b>Amphenol FCI</b>   | title METRAL SIGNAL HEADER | dwg no 70232              | rev <b>AR</b> |
|                             |                                       | 0.XX                                 | ±0.13  |                       |                            |                           |               |
|                             |                                       | 0.XXX                                | ±0.051 |                       |                            |                           |               |
|                             | angular                               | 0°                                   | ±2°    | www.fci.com           | cat. no. *                 | Product - Customer Drw    |               |



REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE

| KEY  |                 |                 |
|------|-----------------|-----------------|
| CODE | DIMENSIONS      |                 |
|      | DIM "A"<br>MATE | DIM "B"<br>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           |
| 19   | 8.00            | 4.30            |
| 20   | 8.00            | 13.60           |
| 21   | 8.00            | 17.00           |

NOTE:  
1. MIN PCB THICKNESS = 1.6mm

SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

|               |                                       |        |                         |                      |                |        |                        |               |          |     |
|---------------|---------------------------------------|--------|-------------------------|----------------------|----------------|--------|------------------------|---------------|----------|-----|
| spec ref      | *                                     | dr     | Terran Huang            | 2010/07/08           | projection<br> | mm<br> | size                   | A4            | scale    | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng    | Narayanan, Aru          | 2018/06/01           |                |        | ecn no                 | ELX-I-30217-1 |          |     |
| ASME Y14.5    |                                       | chr    | -                       | -                    |                |        |                        | rel level     | Released |     |
| surface       | 3.200 linear                          | appr   | K-Paul Biju             | 2018/06/01           | product family | METRAL |                        | rev           |          |     |
|               | 0.X                                   | ±0.3   | <b>Amphenol<br/>FCi</b> | METRAL SIGNAL HEADER | dwg no         | 70232  |                        | rev           | AR       |     |
|               | 0.XX                                  | ±0.13  |                         |                      |                |        |                        |               |          |     |
|               | 0.XXX                                 | ±0.051 |                         |                      |                |        |                        |               |          |     |
| ASME Y14.5    | angular                               | 0°     | ±2°                     | www.fci.com          | cat. no.       | -      | Product - Customer Drw | sheet 2 of 8  |          |     |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X10LF | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X14LF | D   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X18LF | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X22LF | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X26LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X11LF | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X15LF | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X19LF | D   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | C   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | B   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X23LF | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X27LF | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X12LF | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X16LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X20LF | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X24LF | D   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X28LF | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5 |

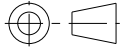
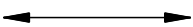
| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X13LF | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X17LF | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X21LF | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X25LF | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X29LF | D   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | C   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | B   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8 |

|                                       |  |                                      |                     |   |   |                             |               |                        |  |
|---------------------------------------|--|--------------------------------------|---------------------|---|---|-----------------------------|---------------|------------------------|--|
| spec ref *                            |  | dr <b>Terran Huang</b> 2010/07/08    |                     | projection<br> | mm<br> | size A4                     | scale 1:1     |                        |  |
| tolerance std ASME Y14.5              |  | eng <b>Narayanan, Aru</b> 2018/06/01 |                     |   |   | ecn no <b>ELX-I-30217-1</b> |               |                        |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr -                                |                     |   |   | rel level <b>Released</b>   |               |                        |  |
| surface <b>3.200</b> inear            |  | 0.X ±0.3                             | <b>Amphenol FCI</b> | product family METRAL   |   | dwg no 70232                | rev <b>AR</b> |                        |  |
| ASME Y14.5 angular 0°                 |  | 0.XX ±0.13                           |                     |   |   |                             |               | cat. no. -             |  |
|                                       |  | 0.XXX ±0.051                         |                     |   |   |                             |               | Product - Customer Drw |  |
| www.fci.com                           |  |                                      |                     | sheet 3 of 8  |   |                             |               |                        |  |

A

B

C

D

A

B

C

D

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X34LF | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X34LF | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X38LF | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | A   | 9                   | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X42LF | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X46LF | D   | 19                  | 19 | 19 | 19 | 19 | 19 |
|             | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|             | B   | 3                   | 3  | 3  | 3  | 3  | 3  |
|             | A   | 3                   | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X31LF | D   | 9                   | 9 | 9 | 9 | 9 | 9 |
|             | C   | 9                   | 9 | 9 | 9 | 9 | 9 |
|             | B   | 9                   | 9 | 9 | 9 | 9 | 9 |
|             | A   | 9                   | 9 | 9 | 9 | 9 | 9 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X35LF | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X39LF | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X43LF | D   | 13                  | 13 | 13 | 13 | 13 | 13 |
|             | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|             | B   | 3                   | 3  | 3  | 3  | 3  | 3  |
|             | A   | 3                   | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X47LF | D   | 4                   | 4  | 4  | 4  | 4  | 4  |
|             | C   | 4                   | 4  | 4  | 4  | 4  | 4  |
|             | B   | 13                  | 13 | 13 | 13 | 13 | 13 |
|             | A   | 13                  | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X32LF | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X36LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X40LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X44LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X48LF | D   | 19                  | 19 | 19 | 19 | 19 | 19 |
|             | C   | 19                  | 19 | 19 | 19 | 19 | 19 |
|             | B   | 19                  | 19 | 19 | 19 | 19 | 19 |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19 |

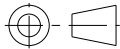
| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X33LF | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X37LF | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 9                   | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X41LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X45LF | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | A   | 4                   | 4 | 4 | 4 | 4 | 4 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X49LF | D   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

|   |  |                           |  |            |  |   |  |  |  |                               |  |
|---|--|---------------------------|--|------------|--|---|--|--|--|-------------------------------|--|
| spec ref *  |  | dr <b>Terran Huang</b>    |  | 2010/07/08 |  | projection  |  | size   |  | scale                         |  |
| tolerance std   |  | eng <b>Narayanan, Aru</b> |  | 2018/06/01 |  |  |  | A4   |  | 1:1                           |  |
| ASME Y14.5  |  | chr -                     |  | -          |  |   |  | ecn no   |  | ELX-I-30217-1                 |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED<br><br>surface $3.2 \mu m$ linear |  | 0.X                       |  | $\pm 0.3$  |  | <b>Amphenol FCI</b><br>title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT           |  | product family METRAL<br>rel level <b>Released</b> |  | dwg no 70232<br>rev <b>AR</b> |  |
|   |  | 0.XX                      |  | $\pm 0.13$ |  |   |  |  |  |                               |  |
| ASME Y14.5  |  | angular                   |  | $0^\circ$  |  | $\pm 2^\circ$   |  | sheet 4 of 8                                       |  |                               |  |

A

B

C

D

A

B

C

D

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X50LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X54LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X58LF | D   | 20                  | 20 | 20 | 20 | 20 | 20 |
|             | C   | 20                  | 20 | 20 | 20 | 20 | 20 |
|             | B   | 20                  | 20 | 20 | 20 | 20 | 20 |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X62LF | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X66LF | D   | 21                  | 21 | 21 | 21 | 21 | 21 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X51LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X55LF | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | A   | 8                   | 8 | 8 | 8 | 8 | 8 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X59LF | D   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X63LF | D   | 15                  | 15 | 15 | 15 | 15 | 15 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X67LF | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | B   | 15                  | 15 | 15 | 15 | 15 | 15 |
|             | A   | 15                  | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X52LF | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X56LF | D   | 20                  | 20 | 20 | 20 | 20 | 20 |
|             | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|             | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|             | A   | 7                   | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X60LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X64LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X68LF | D   | 21                  | 21 | 21 | 21 | 21 | 21 |
|             | C   | 21                  | 21 | 21 | 21 | 21 | 21 |
|             | B   | 21                  | 21 | 21 | 21 | 21 | 21 |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X53LF | D   | 14                  | 14 | 14 | 14 | 14 | 14 |
|             | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|             | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|             | A   | 7                   | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X57LF | D   | 8                   | 8  | 8  | 8  | 8  | 8  |
|             | C   | 8                   | 8  | 8  | 8  | 8  | 8  |
|             | B   | 14                  | 14 | 14 | 14 | 14 | 14 |
|             | A   | 14                  | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X61LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X65LF | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 12                  | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X69LF | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

|                                       |                           |               |   |   |                           |
|---------------------------------------|---------------------------|---------------|---|---|---------------------------|
| spec ref *                            | dr <b>Terran Huang</b>    | 2010/07/08    | projection                                | size A4                                   | scale 1:1                 |
| tolerance std ASME Y14.5              | eng <b>Narayanan, Aru</b> | 2018/06/01    |   | mm $\longleftrightarrow$                  |                           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | chr -                     | -             |   | ecn no <b>ELX-I-30217-1</b>               | rel level <b>Released</b> |
|                                       | appr <b>K-Paul Biju</b>   | 2018/06/01    | product family METRAL                     | surface $3.200_{\text{in}}^{\text{near}}$ | rev <b>AR</b>             |
| ASME Y14.5                            | angular $0^\circ$         | $\pm 2^\circ$ | product title <b>METRAL SIGNAL HEADER</b> | dwg no 70232                              | sheet 5 of 8              |
|                                       | angular $0^\circ$         | $\pm 2^\circ$ | cat. no. -                                | Product - Customer Drw                    |                           |

A

B

C

D

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X70LF | D   | 4                   | 4 | 4 | 4 | 4 | 4 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X74LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X78LF | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | A   | 1                   | 1 | 1 | 1 | 1 | 1 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X82LF | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|             | C   | 8                   | 8  | 8  | 8  | 8  | 8  |
|             | B   | 8                   | 8  | 8  | 8  | 8  | 8  |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X86LF | D   | 20                  | 20 | 20 | 20 | 20 | 20 |
|             | C   | 5                   | 5  | 5  | 5  | 5  | 5  |
|             | B   | 5                   | 5  | 5  | 5  | 5  | 5  |
|             | A   | 20                  | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X71LF | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X75LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X79LF | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 2                   | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X83LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X87LF | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|             | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|             | B   | 20                  | 20 | 20 | 20 | 20 | 20 |
|             | A   | 7                   | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X72LF | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|             | C   | 4                   | 4  | 4  | 4  | 4  | 4  |
|             | B   | 4                   | 4  | 4  | 4  | 4  | 4  |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X76LF | D   | 19                  | 19 | 19 | 19 | 19 | 19 |
|             | C   | 1                   | 1  | 1  | 1  | 1  | 1  |
|             | B   | 1                   | 1  | 1  | 1  | 1  | 1  |
|             | A   | 19                  | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X80LF | D   | 8                   | 8 | 8 | 8 | 8 | 8 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X84LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X88LF | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | A   | 5                   | 5 | 5 | 5 | 5 | 5 |

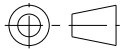
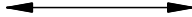
| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X73LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|             | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|             | A   | 3                   | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X77LF | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|             | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|             | B   | 19                  | 19 | 19 | 19 | 19 | 19 |
|             | A   | 3                   | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X81LF | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X85LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 7                   | 7 | 7 | 7 | 7 | 7 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|-------------|-----|---------------------|---|---|---|---|---|
|             |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X89LF | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
|             | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|             | A   | 6                   | 6 | 6 | 6 | 6 | 6 |

|                                       |             |      |                |            |   |   |              |               |       |     |
|---------------------------------------|-------------|------|----------------|------------|---|---|--------------|---------------|-------|-----|
| spec ref                              | *           | dr   | Terran Huang   | 2010/07/08 | projection<br> | mm<br> | size         | A4            | scale | 1:1 |
| tolerance std                         | ASME Y14.5  | eng  | Narayanan, Aru | 2018/06/01 |   |   | ecn no       | ELX-I-30217-1 |       |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             | chr  | -              | -          |   |   | rel level    | Released      |       |     |
| surface                               | 3.200 inear | appr | K-Paul Biju    | 2018/06/01 | product family  |   | METRAL       | rev           | AR    |     |
| ASME Y14.5                            | angular     | 0°   | ±2°            | 0.X        | ±0.3  | Amphenol FCI  |              | dwg no        | 70232 |     |
|                                       |             | 0.XX | ±0.13          | 0.XXX      | ±0.051  | www.fci.com   |              | cat. no.      | -     |     |
| Product - Customer Drw                |             |      |                |            |   |   | sheet 6 of 8 |               |       |     |

A

B

C

D

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X90LF | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X94LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X98LF | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | A   | 9                   | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|--------------|-----|---------------------|---|---|---|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X102LF | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
|              | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|              | B   | 20                  | 6 | 6 | 6 | 6 | 6 |
|              | A   | 7                   | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|--------------|-----|---------------------|---|---|---|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X106LF | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
|              | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|              | A   | 4                   | 2 | 2 | 2 | 2 | 2 |



| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X91LF | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X95LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X99LF | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |    |
|--------------|-----|---------------------|---|---|---|---|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6  |
| 70232-X103LF | D   | 2                   | 1 | 3 | 2 | 2 | 3  |
|              | C   | 2                   | 1 | 3 | 2 | 2 | 3  |
|              | B   | 2                   | 1 | 3 | 4 | 4 | 19 |
|              | A   | 2                   | 1 | 3 | 2 | 2 | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X92LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X96LF | D   | 21                  | 21 | 21 | 21 | 21 | 21 |
|             | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|             | A   | 21                  | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|--------------|-----|---------------------|---|---|---|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X100LF | D   | 4                   | 3 | 3 | 3 | 3 | 4 |
|              | C   | 4                   | 3 | 3 | 3 | 3 | 4 |
|              | B   | 4                   | 3 | 3 | 3 | 3 | 4 |
|              | A   | 4                   | 3 | 3 | 3 | 3 | 4 |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |    |
|--------------|-----|---------------------|---|---|---|---|----|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6  |
| 70232-X104LF | D   | 1                   | 1 | 2 | 2 | 2 | 3  |
|              | C   | 1                   | 1 | 2 | 2 | 2 | 3  |
|              | B   | 2                   | 2 | 2 | 4 | 4 | 19 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 3  |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X93LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N  | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|-------------|-----|---------------------|----|----|----|----|----|
|             |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X97LF | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|             | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|             | B   | 21                  | 21 | 21 | 21 | 21 | 21 |
|             | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|--------------|-----|---------------------|---|---|---|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X101LF | D   | 8                   | 7 | 7 | 7 | 7 | 8 |
|              | C   | 8                   | 7 | 7 | 7 | 7 | 8 |
|              | B   | 8                   | 7 | 7 | 7 | 7 | 8 |
|              | A   | 8                   | 7 | 7 | 7 | 7 | 8 |

| METRAL P/N   | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|--------------|-----|---------------------|---|---|---|---|---|
|              |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X105LF | D   | 2                   | 3 | 2 | 2 | 2 | 2 |
|              | C   | 2                   | 1 | 2 | 2 | 2 | 2 |
|              | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|              | A   | 2                   | 2 | 2 | 2 | 2 | 2 |

|                                       |             |       |                |                     |                        |                        |                        |               |          |       |
|---------------------------------------|-------------|-------|----------------|---------------------|------------------------|------------------------|------------------------|---------------|----------|-------|
| spec ref                              | *           | dr    | Terran Huang   | 2010/07/08          | projection             | mm                     | size                   | A4            | scale    | 1:1   |
| tolerance std                         | ASME Y14.5  | eng   | Narayanan, Aru | 2018/06/01          |                        |                        | ecn no                 | ELX-I-30217-1 |          |       |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             | chr   | -              | -                   |                        |                        |                        | rel level     | Released |       |
| surface                               | 3.200 inear | appr  | K-Paul Biju    | 2018/06/01          | product family         |                        | METRAL                 |               | rev      | AR    |
| ASME Y14.5                            | angular     | 0.X   | ±0.3           | <b>Amphenol FCI</b> | title                  |                        | METRAL SIGNAL HEADER   |               | dwg no   | 70232 |
|                                       |             | 0.XX  | ±0.13          |                     | 1 MOD, 4 ROW PRESS-FIT |                        | Product - Customer Drw |               |          |       |
|                                       |             | 0.XXX | ±0.051         |                     | www.fci.com            |                        | sheet 7 of 8           |               |          |       |
|                                       |             | 0°    | ±2°            | cat. no.            | -                      | Product - Customer Drw |                        | sheet 7 of 8  |          |       |

PRODUCT NUMBER

70232-XYLFF



NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:  
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:  
70232-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. -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE).
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 70232-X01LF
12. 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.

|                                       |  |                           |                     |            |                        |                        |                           |           |
|---------------------------------------|--|---------------------------|---------------------|------------|------------------------|------------------------|---------------------------|-----------|
| spec ref *                            |  | dr <b>Terran Huang</b>    |                     | 2010/07/08 | projection<br>         | mm<br>                 | size A4                   | scale 1:1 |
| tolerance std<br>ASME Y14.5           |  | eng <b>Narayanan, Aru</b> |                     | 2018/06/01 |                        |                        | ecn no ELX-I-30217-1      |           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr -                     |                     | -          |                        |                        | rel level <b>Released</b> |           |
| surface 3.200 linear                  |  | 0.X ±0.3                  | <b>Amphenol FCI</b> |            | product family METRAL  |                        | rev                       |           |
|                                       |  | 0.XX ±0.13                |                     |            | METRAL SIGNAL HEADER   |                        | 70232                     | AR        |
|                                       |  | 0.XXX ±0.051              |                     |            | 1 MOD, 4 ROW PRESS-FIT |                        |                           |           |
| ASME Y14.5 angular 0°                 |  | ±2°                       | www.fci.com         |            | cat. no. -             | Product - Customer Drw |                           |           |
|                                       |  |                           |                     |            | sheet 8 of 8           |                        |                           |           |





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.