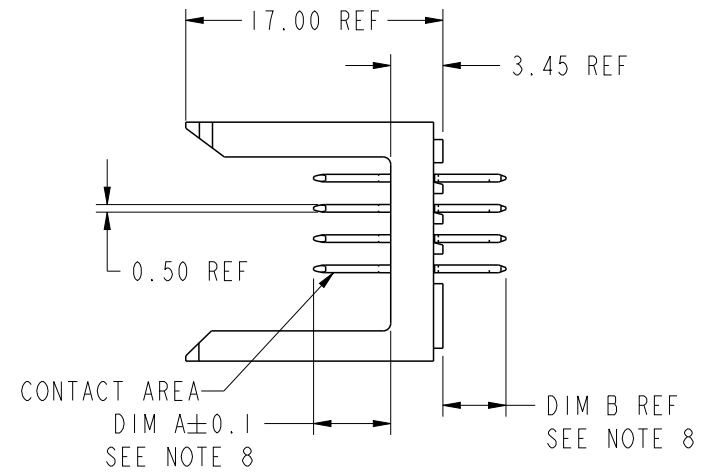
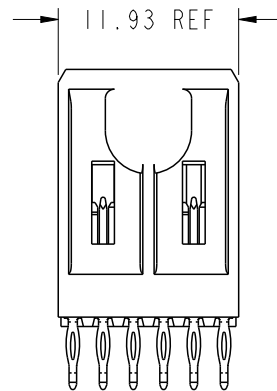
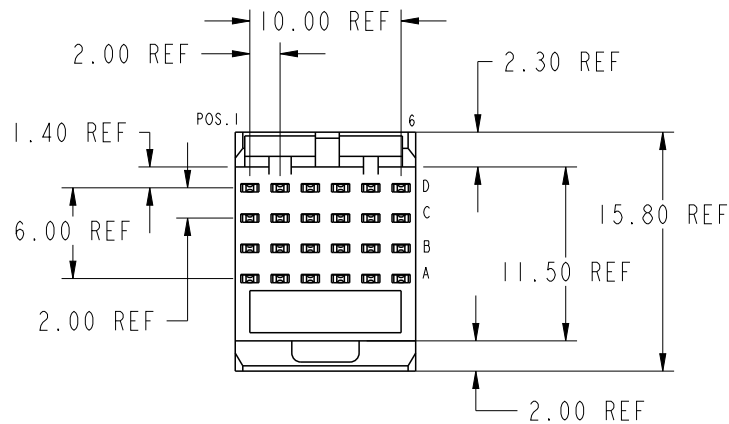


PRODUCT NUMBER

70232-XYLFF



## PLATING IN CONTACT AREA

| DASH NUMBER | PERFORMANCE LEVEL                 | NOTES       |
|-------------|-----------------------------------|-------------|
| -AYYLF      | TELCORDIA CO                      | SEE NOTE 10 |
| -NIYYLF     | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -N5YYLF     | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -IYYLF      | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2YYLF      | TELECOM CLASS                     | SEE NOTE 10 |
| -5YYLF      | TELCORDIA UE                      | SEE NOTE 10 |

|               |            |        |                |            |                |        |                        |               |           |          |
|---------------|------------|--------|----------------|------------|----------------|--------|------------------------|---------------|-----------|----------|
| spec ref      | *          | dr     | Terran Huang   | 2010/07/08 | projection     | mm     | size                   | A4            | scale     | 2:1      |
| tolerance std | ASME Y14.5 | eng    | Narayanan, Aru | 2018/06/01 |                |        | ecn no                 | ELX-I-30217-1 | rel level | Released |
| surface       | linear     | chr    | -              | -          | product family | METRAL | rel level              | Released      | rev       | AR       |
| ASME Y14.5    | angular    | appr   | K-Paul Biju    | 2018/06/01 | cat. no.       | *      | Product - Customer Drw | sheet 1 of 8  |           |          |
|               | 0.X        | ±0.3   |                |            |                |        |                        |               |           |          |
|               | 0.XX       | ±0.13  |                |            |                |        |                        |               |           |          |
|               | 0.XXX      | ±0.051 |                |            |                |        |                        |               |           |          |
|               | 0°         | ±2°    |                |            |                |        |                        |               |           |          |

Amphenol  
FCi

www.fci.com

METRAL SIGNAL HEADER  
1 MOD, 4 ROW PRESS-FIT

dwg no

70232



| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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 |

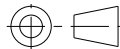
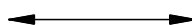
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 70232-X13LF   | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|               | C   | 2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

| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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              | 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        | -      | -               | appr           | K-Paul Biju                                    |                                                                                                     |                                                                                             | 2018/06/01 | product family |       | METRAL | rel level |
| surface<br> | linear  | 0.X        | ±0.3   | Amphenol<br>FCI | title          | METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |                                                                                                     |                                                                                             | 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 3 of 8   |       |        |           |

| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 2  | 3  | 4  | 5  | 6  |
| 70232-X30LF   | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|----|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | I                      | 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              | Terran Huang                                            | 2010/07/08 | projection<br> | mm<br> | size                   | A4            | scale        | 1:1       |
| tolerance std |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |        | eng             | Narayanan, Aru                                          | 2018/06/01 |                |        | ecn no                 | ELX-I-30217-1 |              |           |
| ASME Y14.5    |         |                                       |        | chr             | -                                                       | -          |                |        | rel level              |               |              |           |
|               |         |                                       |        | appr            | K-Paul Biju                                             | 2018/06/01 | product family |        | METRAL                 |               | Released     |           |
| surface<br>   | linear  | 0.X                                   | ±0.3   | Amphenol<br>FCi | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |            |                |        | dwg no                 | 70232         |              | rev<br>AR |
|               |         | 0.XX                                  | ±0.13  |                 |                                                         |            |                |        |                        |               |              |           |
|               |         | 0.XXX                                 | ±0.051 |                 |                                                         |            |                |        |                        |               |              |           |
| ASME Y14.5    | angular | 0°                                    | ±2°    | www.fci.com     | cat. no.                                                |            | -              |        | Product - Customer Drw |               | sheet 4 of 8 |           |

| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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           |  | Terran Huang           |  | 2010/07/08  |  | projection          |  |       |  | size                 |  | A4            |  | scale     |  | 1:1      |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng          |  | Narayanan, Aru         |  | 2018/06/01  |  |                     |  |       |  | ecn no               |  | ELX-I-30217-1 |  | rel level |  | Released |  |
| ASME Y14.5    |  |                                       |  | chr          |  | -                      |  | -           |  |                     |  |       |  |                      |  |               |  |           |  |          |  |
| ASME Y14.5    |  |                                       |  | appr         |  | K-Paul Biju            |  | 2018/06/01  |  |                     |  |       |  |                      |  |               |  |           |  |          |  |
| surface       |  |                                       |  | 3.200 linear |  | 0.X                    |  | ±0.3        |  | <b>Amphenol FCI</b> |  | title |  | METRAL SIGNAL HEADER |  | dwg no        |  | 70232     |  | rev      |  |
|               |  | 0.XX                                  |  | ±0.13        |  | I MOD, 4 ROW PRESS-FIT |  |             |  |                     |  |       |  |                      |  |               |  |           |  |          |  |
| ASME Y14.5    |  | angular                               |  | 0°           |  | ±2°                    |  | www.fci.com |  |                     |  |       |  |                      |  |               |  |           |  |          |  |

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

| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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   | I                      | I | I | I | I | I |
|               | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

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

| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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 |

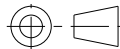
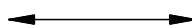
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 70232-X73LF   | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|               | C   | 3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

| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br><br>ASME Y14.5                                                                                  | TOLERANCES UNLESS OTHERWISE SPECIFIED                                               |       |        | eng                 | Narayanan, Aru | 2018/06/01                                         |                                                                                                     |                                                                                             | ecn no                       | ELX-I-30217-1 |              |        |    |
|                                                                                                                  |                                                                                     |       |        | chr                 | -              | -                                                  |                                                                                                     |                                                                                             | rel level<br><b>Released</b> |               |              |        |    |
|                                                                                                                  |                                                                                     |       |        | appr                | K-Paul Biju    | 2018/06/01                                         | product family                                                                                      |                                                                                             |                              |               |              | METRAL |    |
| surface<br><br><br>ASME Y14.5 |  | 0.X   | ±0.3   | <b>Amphenol FCI</b> | title          | METRAL SIGNAL HEADER<br><br>1 MOD, 4 ROW PRESS-FIT |                                                                                                     |                                                                                             | 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 6 of 8 |        |    |

| METRAL<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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<br>P/N | ROW | CONTACT CODE<br>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     |                                                | size                   | A4            | scale | 1:1 |
| tolerance std | ASME Y14.5  | eng   | Narayanan, Aru | 2018/06/01  |                |                                                | ecn no                 | ELX-I-30217-1 |       |     |
|               |             | chr   | -              | -           |                |                                                | rel level              | Released      |       |     |
|               |             | appr  | K-Paul Biju    | 2018/06/01  | product family | METRAL                                         |                        |               |       |     |
| surface       | 3.200 inear | 0.X   | ±0.3           |             | title          | METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT | 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 7 of 8  |       |     |

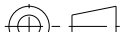
PRODUCT NUMBER

70232-XYLFL



## NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
70232-XYLFL IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- 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
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE).
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 70232-X01LF
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-NI--- 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.)-NI---  
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              | Terran Huang   | 2010/07/08                                     | projection<br> | mm<br> | size           | A4            | scale     | 1:1      |    |
| tolerance std<br>ASME Y14.5                                                                                                  | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng             | Narayanan, Aru | 2018/06/01                                     |                                                                                                     |                                                                                             | ecn no         | ELX-I-30217-1 |           |          |    |
|                                                                                                                              |                                       |       |        | chr             | -              | -                                              |                                                                                                     |                                                                                             | product family | METRAL        | rel level | Released |    |
|                                                                                                                              |                                       |       |        | appr            | K-Paul Biju    | 2018/06/01                                     |                                                                                                     |                                                                                             |                |               |           |          |    |
| surface<br>3.200 linear<br><br>ASME Y14.5 |                                       | 0.X   | ±0.3   | Amphenol<br>FCI | title          | METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |                                                                                                     |                                                                                             | dwg no         | 70232         |           | rev      | AR |
|                                                                                                                              |                                       | 0.XX  | ±0.13  |                 |                |                                                |                                                                                                     |                                                                                             |                |               |           |          |    |
|                                                                                                                              |                                       | 0.XXX | ±0.051 |                 |                |                                                |                                                                                                     |                                                                                             |                |               |           |          |    |
|                                                                                                                              | angular                               | 0°    | ±2°    |                 |                |                                                |                                                                                                     |                                                                                             |                |               |           |          |    |

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- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

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кабельные сборки и микроволновые компоненты:

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