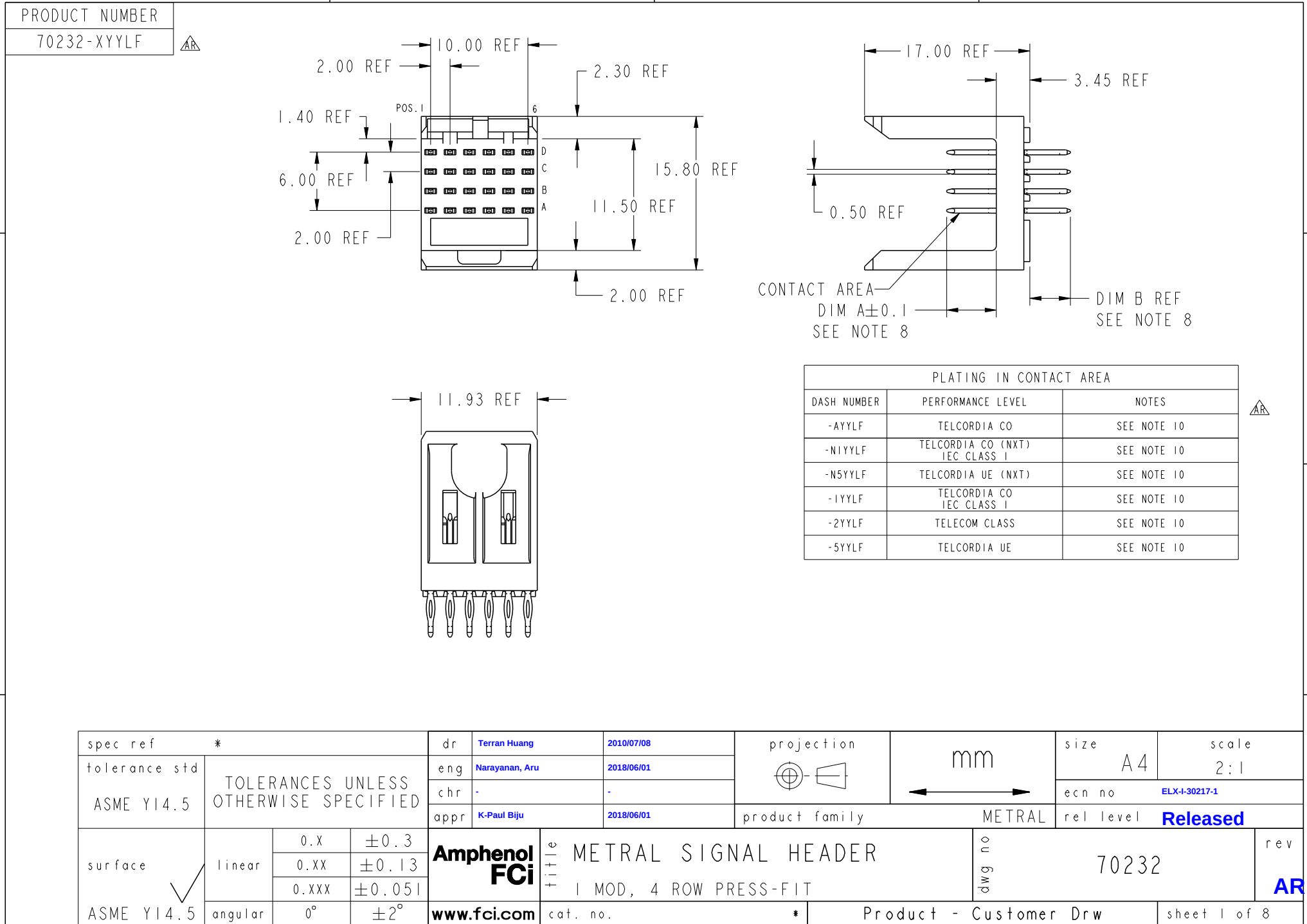






| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 70232-X10LF   | D   | 1                      | 1 | 1 | 1 | 1 | 1 |
|               | C   | 2                      | 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 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |     |              | eng        |                 |            | Narayanan, Aru         | 2018/06/01 | ecn no | ELX-I-30217-1 |              |       |          |     |    |
| ASME Y14.5    |  |                                       |        |     |              | chr        |                 |            | -                      | -          |        | rel level     |              |       | Released |     |    |
|               |  |                                       |        |     |              | appr       | K-Paul Biju     | 2018/06/01 | product family         |            |        | METRAL        |              |       |          |     |    |
| surface       |  |                                       | linear |     | 0.X          | ±0.3       | Amphenol<br>FCI | title      | 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 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<br><br>ASME Y14.5 | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        | eng             | Narayanan, Aru | 2018/06/01                                         |                |                        | ecn no | ELX-I-30217-1 |           |              |     |    |
|                                 |                                       |         |        | chr             | -              | -                                                  |                |                        |        |               |           |              |     |    |
|                                 |                                       |         |        | appr            | K-Paul Biju    | 2018/06/01                                         | product family |                        | METRAL |               | rel level | Released     |     |    |
| surface<br><br>ASME Y14.5       |                                       | 0.X     | ±0.3   | Amphenol<br>FCI | 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 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           | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size   | A4            | scale        | 1:1            |        |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |      | eng         | Narayanan, Aru | 2018/06/01           |                                   |                           | ecn no | ELX-I-30217-1 |              |                |        |    |
|               |                                       |        |      | chr         | -              | -                    |                                   |                           |        |               |              |                |        |    |
|               |                                       |        |      | appr        | K-Paul Biju    | 2018/06/01           |                                   |                           |        |               |              | product family | METRAL |    |
| surface       | <div></div> <div>3.200 linear</div>   | 0.X    | ±0.3 | <div></div> | title          | 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 5 of 8 |                |        |    |

| 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 |

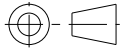
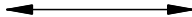
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|---------------|-----|------------------------|---|---|---|---|---|
|               |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 70232-X73LF   | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|               | C   | 3                      | 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                                                                            | mm                                                                                    | size                   | A4            | scale     | 1:1      |
| tolerance std | ASME Y14.5   | eng   | Narayanan, Aru | 2018/06/01              |  |  | ecn no                 | ELX-I-30217-1 | rel level | Released |
|               |              | chr   | -              | -                       |                                                                                       |                                                                                       |                        |               |           |          |
|               |              | appr  | K-Paul Biju    | 2018/06/01              | product family                                                                        | METRAL                                                                                |                        |               |           |          |
| surface       | 3.200 linear | 0.X   | ±0.3           | <b>Amphenol<br/>FCi</b> | 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 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-XYLFF



## 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-XYLFF 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-X0ILF
- 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     | mm                     | size                   | A4            | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED | eng  | Narayanan, Aru | 2018/06/01 |                |                        | ecn no                 | ELX-I-30217-1 |       |     |
| ASME Y14.5    |                                          | chr  | -              | -          |                |                        | rel level              | Released      |       |     |
|               |                                          | appr | K-Paul Biju    | 2018/06/01 | product family | METRAL                 |                        |               |       |     |
| surface       | 3.200 linear                             |      |                |            | title          | METRAL SIGNAL HEADER   | dwg no                 | 70232         | rev   | AR  |
|               |                                          |      |                |            |                | I MOD, 4 ROW PRESS-FIT |                        |               |       |     |
| ASME Y14.5    | angular                                  |      |                |            | cat. no.       | -                      | Product - Customer Drw | sheet 8 of 8  |       |     |
|               |                                          |      |                |            |                |                        |                        |               |       |     |