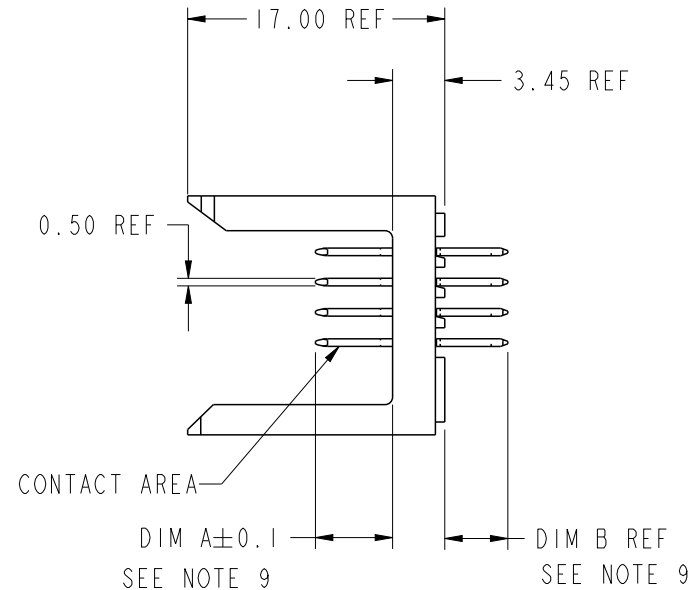
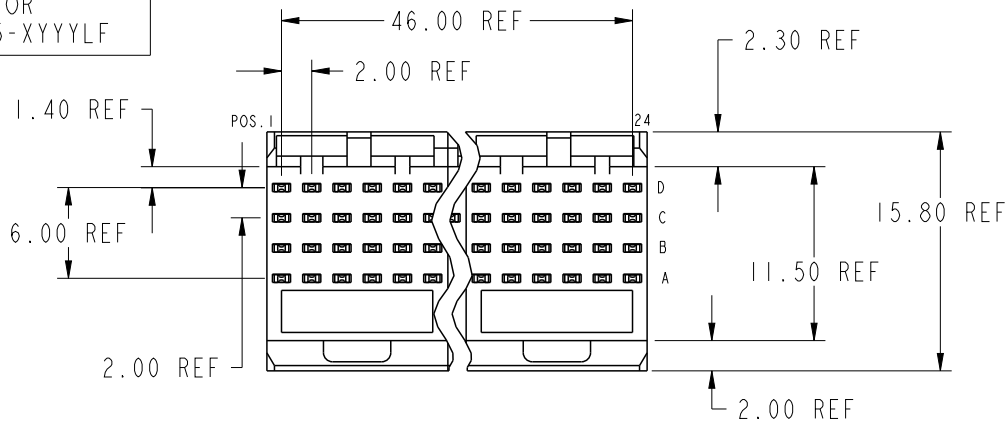


|                                   |
|-----------------------------------|
| PRODUCT NUMBER                    |
| 89075-XYX<br>OR<br>89075-XYXX     |
| 89075-XYXLF<br>OR<br>89075-XYXXLF |

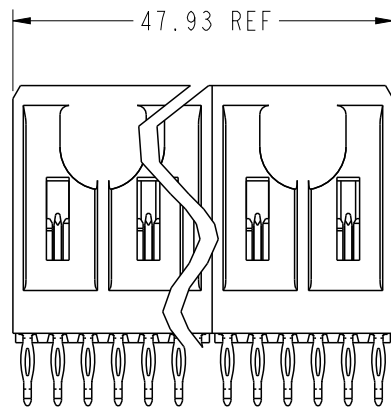
A

B



A

B



C

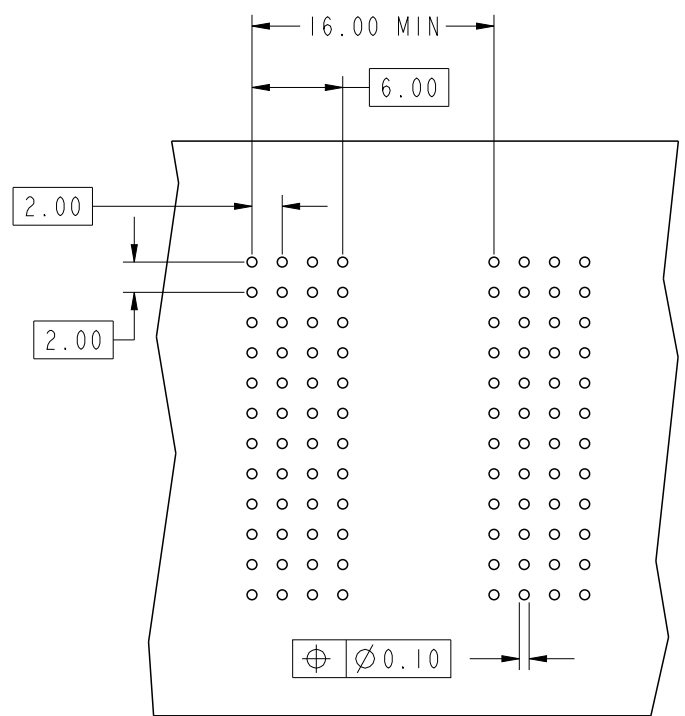
| rev | ecn             | drw  | date       |
|-----|-----------------|------|------------|
| CB  | V06-0573        | DCH  | 2006-06-14 |
| CC  | DG07-0487       | Cenh | 12/05/07   |
| CD  | DG09-0256       | TER  | 2009-08-19 |
| CE  | ELX-DG-010531-1 | ANDY | 2012-03-08 |
| -   | -               | -    | -          |
| BY  | V05-0603        | TAB  | 07/06/05   |
| CA  | V05-1030        | LP   | 11/21/05   |

|               |                                       |       |         |      |                |            |                                   |                           |                      |                 |       |                |        |        |  |           |  |          |
|---------------|---------------------------------------|-------|---------|------|----------------|------------|-----------------------------------|---------------------------|----------------------|-----------------|-------|----------------|--------|--------|--|-----------|--|----------|
| spec ref      |                                       | *     |         | dr   | Terran Huang   | 2010/07/08 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size                 | A4              | scale | 2:1            |        |        |  |           |  |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |         | eng  | Andy Lu        | 2012/03/08 |                                   |                           | ecn no               | ELX-DG-010531-1 |       |                |        |        |  |           |  |          |
|               |                                       |       |         | chr  | Thian-Zhao Lin | 2012/03/12 |                                   |                           |                      |                 |       |                |        |        |  |           |  |          |
|               |                                       |       |         | appr | Pei-Ming Zheng | 2012/03/12 |                                   |                           |                      |                 |       | product family |        | METRAL |  | rel level |  | Released |
| surface       | 3.200 linear                          | 0.X   | ±0.3    |      | title          |            |                                   |                           | METRAL SIGNAL HEADER |                 |       |                | dwg no | 89075  |  |           |  | rev      |
|               |                                       | 0.XX  | ±0.13   |      |                |            |                                   |                           |                      |                 |       |                |        |        |  |           |  |          |
|               |                                       | 0.XXX | ±0.051  |      |                |            |                                   |                           |                      |                 |       |                |        |        |  |           |  |          |
|               | ASME Y14.5                            |       | angular |      |                |            |                                   |                           |                      |                 |       |                |        |        |  |           |  |          |

D

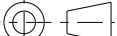


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| KEY  |              |              |
|------|--------------|--------------|
| CODE | DIMENSIONS   |              |
|      | DIM "A" MATE | DIM "B" TAIL |
| 1    | 5.00         | 4.30         |
| 2    | 5.75         | 4.30         |
| 3    | 6.50         | 4.30         |
| 4    | 7.25         | 4.30         |
| 5    | 5.00         | 13.60        |
| 6    | 5.75         | 13.60        |
| 7    | 6.50         | 13.60        |
| 8    | 7.25         | 13.60        |
| 10   | 5.75         | 17.00        |
| 11   | 6.50         | 17.00        |
| 12   | 7.25         | 17.00        |
| 13   | 8.25         | 4.30         |
| 14   | 8.25         | 13.60        |
| 19   | 8.00         | 4.30         |
| 22   | 5.00         | 12.10        |

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

|                                                                                                                |                                       |         |    |      |                |            |                                                                                                     |                                                                                             |        |                 |       |                      |                |                        |  |           |          |  |        |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|----|------|----------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|-----------------|-------|----------------------|----------------|------------------------|--|-----------|----------|--|--------|
| spec ref *                                                                                                     |                                       |         |    | dr   | Terran Huang   | 2010/07/08 | projection<br> | mm<br> | size   | A4              | scale | 2:1                  |                |                        |  |           |          |  |        |
| tolerance std<br>ASME Y14.5                                                                                    | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |    | eng  | Andy Lu        | 2012/03/08 |                                                                                                     |                                                                                             | ecn no | ELX-DG-010531-1 |       |                      |                |                        |  |           |          |  |        |
|                                                                                                                |                                       |         |    | chr  | Thian-Zhao Lin | 2012/03/12 |                                                                                                     |                                                                                             |        |                 |       |                      |                |                        |  |           |          |  |        |
|                                                                                                                |                                       |         |    | appr | Pei-Ming Zheng | 2012/03/12 |                                                                                                     |                                                                                             |        |                 |       |                      | product family | METRAL                 |  | rel level | Released |  |        |
| surface<br>3.200 linear<br> | ASME Y14.5                            | angular | 0° | ±2°  | www.fci.com    | cat. no.   | -                                                                                                   | Product - Customer Drw                                                                      |        | sheet 2 of 15   |       |                      |                |                        |  |           |          |  |        |
|                                                                                                                |                                       |         |    |      |                |            |                                                                                                     |                                                                                             |        |                 | title | METRAL SIGNAL HEADER |                |                        |  |           |          |  | dwg no |
|                                                                                                                |                                       |         |    |      |                |            |                                                                                                     |                                                                                             |        |                 |       |                      |                | 4 MOD, 4 ROW PRESS-FIT |  |           |          |  |        |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X01<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X02<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                      | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 11 | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|                                                     | C   | 5                      | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 11 | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|                                                     | B   | 5                      | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 11 | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|                                                     | A   | 5                      | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 11 | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X03<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 5 | 6 | 6 | 5      | 6 | 6 | 5 | 6  | 6      | 5  | 11 | 11 | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|                                                     | C   | 6                      | 6 | 5 | 6 | 6 | 5      | 6 | 6 | 5 | 6  | 6      | 5  | 11 | 11 | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|                                                     | B   | 6                      | 6 | 5 | 6 | 6 | 5      | 6 | 6 | 5 | 6  | 6      | 5  | 11 | 11 | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|                                                     | A   | 6                      | 6 | 5 | 6 | 6 | 5      | 6 | 6 | 5 | 6  | 6      | 5  | 11 | 11 | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X04<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 3 | 2 | 2 | 2  | 2      | 3  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 3 | 2 | 2 | 2  | 2      | 3  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
|                                                     | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 3 | 2 | 2 | 2  | 2      | 3  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
|                                                     | A   | 6                      | 6 | 6 | 6 | 6 | 6      | 3 | 2 | 2 | 2  | 2      | 3  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X05<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

|                                |                                       |             |               |
|--------------------------------|---------------------------------------|-------------|---------------|
| spec ref                       | *                                     |             |               |
| tolerance std                  | TOLERANCES UNLESS OTHERWISE SPECIFIED |             |               |
| ASME Y14.5                     |                                       |             |               |
| surface $\sqrt{3.2}$ 200 inear | 0.X                                   | $\pm 0.3$   |               |
|                                | 0.XX                                  | $\pm 0.13$  |               |
|                                | 0.XXX                                 | $\pm 0.051$ |               |
| ASME Y14.5                     | angular                               | 0°          | $\pm 2^\circ$ |

|                                                                                     |                |            |
|-------------------------------------------------------------------------------------|----------------|------------|
| dr                                                                                  | Terran Huang   | 2010/07/08 |
| eng                                                                                 | Andy Lu        | 2012/03/08 |
| chr                                                                                 | Thian-Zhao Lin | 2012/03/12 |
| appr                                                                                | Pei-Ming Zheng | 2012/03/12 |
|  |                |            |
| www.fci.com                                                                         |                |            |

title METRAL SIGNAL HEADER  
4 MOD, 4 ROW PRESS-FIT

cat. no.

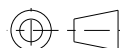
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X06<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 4 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17     | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X07<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X08<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 2  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X09<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 3 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 1  |
|                                                     | C   | 1                      | 1 | 3 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 1  |
|                                                     | B   | 1                      | 1 | 3 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 1  |
|                                                     | A   | 1                      | 1 | 3 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X10<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 3 | 1 | 1 | 1      | 2 | 2 | 1 | 2  | 2  | 2      | 1  | 1  | 1  | 3  | 1  | 1      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 1                      | 1 | 3 | 1 | 1 | 1      | 2 | 2 | 1 | 2  | 1  | 2      | 1  | 1  | 1  | 3  | 1  | 1      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 1                      | 1 | 3 | 1 | 1 | 1      | 2 | 2 | 1 | 2  | 2  | 2      | 1  | 1  | 1  | 3  | 1  | 1      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 1                      | 1 | 3 | 1 | 1 | 1      | 2 | 2 | 1 | 2  | 2  | 2      | 1  | 1  | 1  | 3  | 1  | 1      | 3  | 3  | 3  | 3  | 3  | 3  |

|                                                                                       |                        |    |                        |       |                    |     |
|---------------------------------------------------------------------------------------|------------------------|----|------------------------|-------|--------------------|-----|
| projection                                                                            |                        | mm | size                   | A4    | scale              | 2:1 |
|  |                        |    | ecn no ELX-DG-010531-1 |       |                    |     |
| product family                                                                        |                        |    | METRAL                 |       | rel level Released |     |
| L HEADER                                                                              |                        |    | dwg no                 | 89075 |                    | rev |
| S-FIT                                                                                 |                        |    |                        |       |                    | CP  |
| -                                                                                     | Product - Customer Drw |    |                        |       | sheet 3 of 15      |     |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X11<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22 |
|                                                     | C   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22 |
|                                                     | B   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22 |
|                                                     | A   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22 |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X12<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X13<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 1 | 1      | 1 | 1 | 1 | 3  | 3      | 2  | 3  | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | C   | 3                      | 3 | 2 | 2 | 1 | 1      | 1 | 1 | 1 | 3  | 3      | 2  | 3  | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | B   | 3                      | 3 | 2 | 2 | 1 | 1      | 1 | 1 | 1 | 3  | 3      | 2  | 3  | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                     | A   | 3                      | 3 | 2 | 2 | 1 | 1      | 1 | 1 | 1 | 3  | 3      | 2  | 3  | 3  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X14<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 4 | 4 | 3 | 3      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 19                     | 3 | 4 | 4 | 3 | 3      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 19                     | 3 | 4 | 4 | 3 | 3      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 19                     | 3 | 4 | 4 | 3 | 3      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X15<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 3 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 19 |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 1      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 19 |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 19 |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 19 |

|               |  |                                       |       |        |              |            |                                   |                           |                      |            |                        |        |                 |        |               |  |           |     |          |
|---------------|--|---------------------------------------|-------|--------|--------------|------------|-----------------------------------|---------------------------|----------------------|------------|------------------------|--------|-----------------|--------|---------------|--|-----------|-----|----------|
| spec ref      |  | *                                     |       | dr     | Terran Huang | 2010/07/08 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size                 | A4         | scale                  | 2:1    |                 |        |               |  |           |     |          |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        |              | eng        |                                   |                           | Andy Lu              | 2012/03/08 | ecn no                 |        | ELX-DG-010531-1 |        |               |  |           |     |          |
| ASME Y14.5    |  |                                       |       |        |              | chr        |                                   |                           | Thian-Zhao Lin       | 2012/03/12 |                        |        |                 |        |               |  |           |     |          |
|               |  |                                       |       |        |              | appr       |                                   |                           | Pei-Ming Zheng       | 2012/03/12 | product family         |        |                 | METRAL |               |  | rel level |     | Released |
| surface       |  | <div>3.200 linear</div> <div></div>   | 0.X   | ±0.3   | <div></div>  | title      |                                   |                           | METRAL SIGNAL HEADER |            |                        | dwg no |                 |        | 89075         |  |           | rev |          |
|               |  |                                       | 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 15 |  |           |     |          |

ProjE File - REV C - 2009-06-09

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X21<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
|                                                     | C   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
|                                                     | B   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
|                                                     | A   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X22<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |

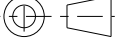
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X23<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 1 | 1 | 1  | 1      | 1  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 1 | 1 | 1  | 1      | 1  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 1 | 1 | 1  | 1      | 1  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 1 | 1 | 1  | 1      | 1  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X24<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 3 | 2 | 3 | 2      | 3 | 2 | 1 | 1  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 2  |
|                                                     | C   | 2                      | 2 | 3 | 2 | 3 | 2      | 3 | 2 | 1 | 1  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 2  |
|                                                     | B   | 2                      | 2 | 3 | 2 | 3 | 2      | 3 | 2 | 1 | 1  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 2  |
|                                                     | A   | 2                      | 2 | 3 | 2 | 3 | 2      | 3 | 2 | 1 | 1  | 2  | 2      | 2  | 2  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X25<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 3  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 3  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 3  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 2  | 2  | 2      | 2  | 2  | 1  | 1  | 3  | 2  | 2  | 2  |

|                      |                                       |       |               |
|----------------------|---------------------------------------|-------|---------------|
| spec ref             | *                                     |       |               |
| tolerance std        | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |               |
| ASME Y14.5           |                                       |       |               |
| surface $\sqrt{3.2}$ | linear                                | 0.X   | $\pm 0.3$     |
|                      |                                       | 0.XX  | $\pm 0.13$    |
|                      |                                       | 0.XXX | $\pm 0.051$   |
| ASME Y14.5           | angular                               | 0°    | $\pm 2^\circ$ |

|                                                                                     |                |            |
|-------------------------------------------------------------------------------------|----------------|------------|
| dr                                                                                  | Terran Huang   | 2010/07/08 |
| eng                                                                                 | Andy Lu        | 2012/03/08 |
| chr                                                                                 | Thian-Zhao Lin | 2012/03/12 |
| appr                                                                                | Pei-Ming Zheng | 2012/03/12 |
|  |                |            |
| www.fci.com                                                                         |                |            |

|          |                        |                                                                                                                        |                                                                                                                |                |                 |               |          |
|----------|------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|-----------------|---------------|----------|
|          | 2010/07/08             | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A4              | scale         | 2:1      |
|          | 2012/03/08             |                                                                                                                        |                                                                                                                | ecn no         | ELX-DG-010531-1 |               |          |
|          | 2012/03/12             |                                                                                                                        |                                                                                                                |                |                 |               |          |
|          | 2012/03/12             |                                                                                                                        |                                                                                                                | product family | METRAL          | rel level     | Released |
| title    | METRAL SIGNAL HEADER   |                                                                                                                        |                                                                                                                | dwg no         | 89075           |               | rev      |
|          | 4 MOD, 4 ROW PRESS-FIT |                                                                                                                        |                                                                                                                |                |                 |               |          |
| cat. no. |                        | -                                                                                                                      | Product - Customer Drw                                                                                         |                |                 | sheet 5 of 15 |          |



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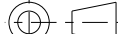
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X31<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 4 | 2 | 2 | 4      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X32<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 1  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 1  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 1  | 1  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 1  | 1  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X33<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 1  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X34<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 1  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 1  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X35<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 1  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

|               |  |            |  |                                       |  |              |  |             |  |            |  |                                                                                       |  |                        |  |                                                                                       |  |       |  |                |  |            |  |                |  |        |  |        |  |                 |  |
|---------------|--|------------|--|---------------------------------------|--|--------------|--|-------------|--|------------|--|---------------------------------------------------------------------------------------|--|------------------------|--|---------------------------------------------------------------------------------------|--|-------|--|----------------|--|------------|--|----------------|--|--------|--|--------|--|-----------------|--|
| spec ref      |  | *          |  | dr                                    |  | Terran Huang |  | 2010/07/08  |  | projection |  |  |  | mm                     |  |  |  | size  |  | A4             |  | scale      |  | 2:1            |  |        |  |        |  |                 |  |
| tolerance std |  | ASME Y14.5 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng          |  | Andy Lu     |  | 2012/03/08 |  | chr                                                                                   |  | Thian-Zhao Lin         |  | 2012/03/12                                                                            |  | appr  |  | Pei-Ming Zheng |  | 2012/03/12 |  | product family |  | METRAL |  | ecn no |  | ELX-DG-010531-1 |  |
| surface       |  | 3.2        |  | linear                                |  | 0.X          |  | ±0.3        |  | FCI        |  | title                                                                                 |  | METRAL SIGNAL HEADER   |  | dwg no                                                                                |  | 89075 |  | rev            |  | C1         |  |                |  |        |  |        |  |                 |  |
| ASME Y14.5    |  | angular    |  | 0°                                    |  | ±2°          |  | www.fci.com |  | cat. no.   |  | -                                                                                     |  | Product - Customer Drw |  | sheet 6 of 15                                                                         |  |       |  |                |  |            |  |                |  |        |  |        |  |                 |  |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X41<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 3 | 4 | 2 | 2      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 4  | 3  | 3  |
|                                                     | C   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 4  | 3  | 3  |
|                                                     | B   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 4  | 3  | 3  |
|                                                     | A   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 4  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X42<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |
|                                                     | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |
|                                                     | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X43<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 2      | 2  | 4  | 3  | 3  | 4  | 4  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 2      | 2  | 4  | 3  | 3  | 4  | 4  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 2      | 2  | 4  | 3  | 3  | 4  | 4  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 2      | 2  | 4  | 3  | 3  | 4  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X44<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X45<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 8  |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 8  |
|                                                     | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 8  |
|                                                     | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 8  |

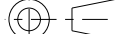
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X46<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |    |   |    | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|----|---|----|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3  | 4 | 5  | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X47<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6  | 6 | 5  | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | C   | 6                      | 6 | 14 | 6 | 14 | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 6                      | 6 | 6  | 6 | 6  | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | A   | 6                      | 6 | 6  | 6 | 6  | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |    |   |    |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|----|---|----|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2  | 3 | 4  | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X48<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2  | 2 | 2  | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 13 | 2 | 13 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2  | 2 | 2  | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2  | 2 | 2  | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X49<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 1                      | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X50<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | UNASSIGNED             |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |
|                                                     | C   |                        |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |
|                                                     | B   |                        |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |
|                                                     | A   |                        |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |

|               |                                                                                                     |      |       |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |          |                 |            |                |    |
|---------------|-----------------------------------------------------------------------------------------------------|------|-------|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|-----------------|------------|----------------|----|
| spec ref      | *                                                                                                   |      |       | dr                                                                                  | Terran Huang                                            | 2010/07/08 | projection<br> | mm<br> | size     | A4              | scale      | 2:1            |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                               |      |       | eng                                                                                 | Andy Lu                                                 | 2012/03/08 |                                                                                                     |                                                                                             | ecn no   | ELX-DG-010531-1 |            |                |    |
| chr           |                                                                                                     |      |       | Thian-Zhao Lin                                                                      | 2012/03/12                                              | rel level  |                                                                                                     |                                                                                             | Released |                 |            |                |    |
| ASME Y14.5    |                                                                                                     |      |       | appr                                                                                | Pei-Ming Zheng                                          |            |                                                                                                     |                                                                                             |          |                 | 2012/03/12 | product family |    |
| surface       | 3.200 linear<br> | 0.X  | ±0.3  |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |                                                                                                     | dwg no                                                                                      | 89075    |                 |            | rev            | C1 |
| ASME Y14.5    |                                                                                                     | 0.XX | ±0.13 |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |          |                 |            |                |    |
| angular       |                                                                                                     | 0°   | ±2°   |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |          |                 |            |                |    |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X51<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X52<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 7  | 7  | 7  | 7  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 7  | 7  | 7  | 7  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 7  | 7  | 7  | 7  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 7  | 7  | 7  | 7  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X53<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 1  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X54<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 3  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 | 23 | 24 |
| 89075-X55<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 3  | 3  | 3  | 3      | 3  | 3  | 1  | 1  | 1  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 19 |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 19 |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 19 | 19 |

|                             |                                       |             |               |
|-----------------------------|---------------------------------------|-------------|---------------|
| spec ref                    | *                                     |             |               |
| tolerance std               | TOLERANCES UNLESS OTHERWISE SPECIFIED |             |               |
| ASME Y14.5                  |                                       |             |               |
| surface $\sqrt{3.2}$ linear | 0.X                                   | $\pm 0.3$   |               |
|                             | 0.XX                                  | $\pm 0.13$  |               |
|                             | 0.XXX                                 | $\pm 0.051$ |               |
| ASME Y14.5                  | angular                               | 0°          | $\pm 2^\circ$ |

|      |                |            |
|------|----------------|------------|
| dr   | Terran Huang   | 2010/07/08 |
| eng  | Andy Lu        | 2012/03/08 |
| chr  | Thian-Zhao Lin | 2012/03/12 |
| appr | Pei-Ming Zheng | 2012/03/12 |



|          |                        |  |
|----------|------------------------|--|
| title    | METRAL SIGNAL HEADER   |  |
|          | 4 MOD, 4 ROW PRESS-FIT |  |
| cat. no. |                        |  |

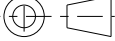
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X56<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X57<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X58<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 3      | 1  | 1  | 1  | 1  | 3  | 1      | 1  | 3  | 1  | 1  | 1  | 1  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 3      | 1  | 1  | 1  | 1  | 3  | 1      | 1  | 3  | 1  | 1  | 1  | 1  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 3      | 1  | 1  | 1  | 1  | 3  | 1      | 1  | 3  | 1  | 1  | 1  | 1  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 3      | 1  | 1  | 1  | 1  | 3  | 1      | 1  | 3  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X59<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 3  | 1  |    |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 1  | 2  | 2  | 3  | 2  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 4 | 3 | 3  | 3  | 3      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 3  | 3  |    |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 4 | 3 | 3  | 3  | 3      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 3  | 2  |    |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X60<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |

|                |                                                                                       |                                                                                       |                        |    |                    |     |
|----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|----|--------------------|-----|
| projection     |  | mm                                                                                    | size                   | A4 | scale              | 2:1 |
|                |                                                                                       |  | ecn no ELX-DG-010531-1 |    |                    |     |
| product family |                                                                                       |                                                                                       | METRAL                 |    | rel level Released |     |
| L HEADER       |                                                                                       |                                                                                       | dwg no 89075           |    |                    | rev |
| S-FIT          |                                                                                       |                                                                                       |                        |    |                    | CP  |
| -              | Product - Customer Drw                                                                |                                                                                       |                        |    | sheet 8 of 15      |     |







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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X71<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 8  | 6  | 8  | 7      | 7  | 2  | 2  | 1  | 2  | 3  | 2  |    |
|                                                     | C   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 8  | 6  | 8  | 7      | 7  | 2  | 2  | 2  | 2  | 3  | 2  |    |
|                                                     | B   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 8  | 6  | 8  | 7      | 7  | 2  | 2  | 2  | 2  | 3  | 2  |    |
|                                                     | A   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 8  | 6  | 8  | 7      | 7  | 2  | 2  | 2  | 2  | 3  | 2  |    |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X72<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 7  | 8  | 7  | 7  | 3      | 3  | 2  | 3  | 3  | 3  |    |
|                                                     | C   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 7  | 8  | 7  | 7  | 3      | 3  | 2  | 3  | 3  | 3  |    |
|                                                     | B   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 7  | 8  | 7  | 7  | 3      | 3  | 2  | 3  | 3  | 3  |    |
|                                                     | A   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 7  | 8  | 7  | 7  | 3      | 3  | 2  | 3  | 3  | 3  |    |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X73<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4      | 4  | 2  | 2  | 3  | 3  |    |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |    |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |    |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |    |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X74<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X75<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 3  | 3  | 4  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 3  | 3  | 4  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 3  | 3  | 4  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 3  | 3  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X76<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X77<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X78<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 4  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 2  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X79<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 4      | 3 | 3 | 1 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 2      | 3 | 3 | 1 | 4  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 2      | 3 | 3 | 1 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 1      | 3 | 3 | 1 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X80<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 8  | 7  | 7  |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 8  | 7  | 7  |
|                                                     | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 8  | 7  | 7  |
|                                                     | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 8  | 7  | 7  |

|               |              |      |                |             |                |                      |                        |          |                 |                        |                |
|---------------|--------------|------|----------------|-------------|----------------|----------------------|------------------------|----------|-----------------|------------------------|----------------|
| spec ref      | *            | dr   | Terran Huang   | 2010/07/08  | projection     |                      | mm                     | size     | A4              | scale                  | 2:1            |
| tolerance std | ASME Y14.5   | eng  | Andy Lu        | 2012/03/08  | chr            | Thian-Zhao Lin       | 2012/03/12             | ecn no   | ELX-DG-010531-1 | rel level              | Released       |
| surface       | 3.200 linear | appr | Pei-Ming Zheng | 2012/03/12  | product family | METRAL               | dwg no                 | 89075    | rev             | CE                     |                |
| ASME Y14.5    | angular      | 0°   | ±2°            | www.fci.com | title          | METRAL SIGNAL HEADER | 4 MOD, 4 ROW PRESS-FIT | cat. no. | -               | Product - Customer Drw | sheet 10 of 15 |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X81<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 3  |
|                                                     | C   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |
|                                                     | B   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |
|                                                     | A   | 3                      | 1 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X82<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 1 | 1 | 1  | 1  | 1      | 1  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 1 | 1 | 1  | 1  | 1      | 1  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 1 | 1 | 1  | 1  | 1      | 1  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 1 | 1 | 1  | 1  | 1      | 1  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X83<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 4 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 4  | 4  | 3  | 3  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                     | C   | 2                      | 4 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 4  | 4  | 3  | 3  | 4      | 3  | 4  | 3  | 4  | 3  | 4  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 2  | 4  | 3  | 3  | 4  | 4      | 4  | 4  | 3  | 4  | 3  | 4  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 4  | 4  | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X84<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                     | 10 | 12 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 12 | 12 | 11 | 11 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|                                                     | C   | 10                     | 12 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 12 | 12 | 11 | 11     | 12 | 11 | 12 | 11 | 12 | 12 |
|                                                     | B   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 10 | 12 | 11 | 11 | 12 | 12     | 12 | 12 | 11 | 12 | 11 | 12 |
|                                                     | A   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 12 | 12 | 11 | 11     | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X85<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 89075-X86<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 1  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 1 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 1 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 4  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X87<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 4 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 6  | 6      | 6  | 6  | 6  | 6  | 7  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 6  | 6      | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 4  | -  | -  | 2  | -  | 8      | 8  | 8  | 6  | 6  | 6  |
|                                                     | A   | 5                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 4  | -  | -  | 2  | -  | 6      | 6  | 6  | 6  | 6  | 6  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X88<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  | 4  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X89<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 1 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 4  |    |
|                                                     | B   | 2                      | 2 | 2 | 2 | 1 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 4  |    |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X90<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 8 | 8  | 8  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | A   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |

|               |                                       |           |                                                 |      |                                                         |            |                                   |                           |                |                 |        |           |    |
|---------------|---------------------------------------|-----------|-------------------------------------------------|------|---------------------------------------------------------|------------|-----------------------------------|---------------------------|----------------|-----------------|--------|-----------|----|
| spec ref      | *                                     |           |                                                 | dr   | Terran Huang                                            | 2010/07/08 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A4              | scale  | 2:1       |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |           |                                                 | eng  | Andy Lu                                                 | 2012/03/08 |                                   |                           | ecn no         | ELX-DG-010531-1 |        |           |    |
| ASME Y14.5    |                                       |           |                                                 | chr  | Thian-Zhao Lin                                          | 2012/03/12 |                                   |                           |                |                 |        |           |    |
|               |                                       |           |                                                 | appr | Pei-Ming Zheng                                          | 2012/03/12 |                                   |                           | product family |                 | METRAL | rel level |    |
| surface       | 3.200                                 | linear    | 0.X<br>±0.3<br>0.XX<br>±0.13<br>0.XXX<br>±0.051 |      | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |                                   |                           | dwg no         | 89075           |        | rev       | CE |
| ASME Y14.5    | angular                               | 0°<br>±2° | www.fci.com                                     |      |                                                         |            |                                   |                           |                |                 |        |           |    |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X91<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 3  | 1  |
|                                                     | C   | 2                      | 3 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 3  | 1  |
|                                                     | B   | 2                      | 3 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 3  | 1  |
|                                                     | A   | 2                      | 3 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 3  | 1  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X92<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 4 | 2      | 2 | 4 | 2 | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 2  | 2      | 2  | 2  | 4  | 2  | 2  |    |
|                                                     | C   | 2                      | 4 | 2 | 2 | 4 | 2      | 2 | 4 | 2 | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 4  |    |
|                                                     | B   | 2                      | 4 | 2 | 2 | 4 | 2      | 2 | 4 | 2 | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 4  |    |
|                                                     | A   | 2                      | 4 | 2 | 2 | 4 | 2      | 2 | 4 | 2 | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 4  | 2      | 2  | 4  | 2  | 2  | 4  |    |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X93<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 2 | 2 | 4      | 4 | 4 | 4 | 2  | 2  | 4      | 2  | 2  | 4  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 4  |    |
|                                                     | C   | 2                      | 2 | 4 | 4 | 4 | 4      | 2 | 2 | 4 | 2  | 2  | 4      | 2  | 2  | 4  | 2  | 2  | 2      | 2  | 2  | 4  | 2  | 2  | 4  |
|                                                     | B   | 4                      | 4 | 4 | 2 | 2 | 4      | 4 | 4 | 4 | 2  | 2  | 4      | 2  | 2  | 4  | 2  | 2  | 2      | 2  | 2  | 4  | 2  | 2  | 4  |
|                                                     | A   | 2                      | 2 | 2 | 4 | 4 | 4      | 2 | 2 | 4 | 2  | 2  | 4      | 2  | 2  | 4  | 2  | 2  | 2      | 2  | 2  | 4  | 2  | 2  | 4  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X94<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 3 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X95<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 3  | 3  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 3  | 3  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 3  | 3  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 3  | 3  |

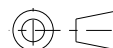
|                      |                                       |       |               |
|----------------------|---------------------------------------|-------|---------------|
| spec ref             | *                                     |       |               |
| tolerance std        | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |               |
| ASME Y14.5           |                                       |       |               |
| surface $\sqrt{3.2}$ | linear                                | 0.X   | $\pm 0.3$     |
|                      |                                       | 0.XX  | $\pm 0.13$    |
|                      |                                       | 0.XXX | $\pm 0.051$   |
| ASME Y14.5           | angular                               | 0°    | $\pm 2^\circ$ |

|             |                |            |
|-------------|----------------|------------|
| dr          | Terran Huang   | 2010/07/08 |
| eng         | Andy Lu        | 2012/03/08 |
| chr         | Thian-Zhao Lin | 2012/03/12 |
| appr        | Pei-Ming Zheng | 2012/03/12 |
|             |                |            |
| www.fci.com |                |            |

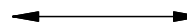
title METRAL SIGNAL HEADER  
4 MOD, 4 ROW PRESS-FIT

cat. no.

projection



mm



size

A4

scale

2:1

ecn no

ELX-DG-010531-1

product family

METRAL

rel level

Released

dwg no

89075

rev

CE

Product - Customer Drw

sheet 12 of 15



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| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X101<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 2  | 4  | 4  |
|                                                      | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 2  | 4  | 4  |
|                                                      | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 2  | 4  | 4  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 2  | 4  | 4  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X102<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 2  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X103<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 1  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X104<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                      | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 19 | 1      | 2  | 2  | 2  | 1  | 2      | 2  | 2  | 2  | 1  | 2  | 2  | 2  | 2  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 19 | 1      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X105<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 1  |
|                                                      | C   | 1                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 1  |
|                                                      | B   | 1                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 1  |
|                                                      | A   | 1                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 1  |

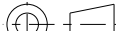
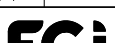
| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X106<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                      | C   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                      | B   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                      | A   | 3                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X107<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
|                                                      | C   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
|                                                      | B   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  |
|                                                      | A   | 3                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X108<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 3  | 2  | 3  | 3  |    |
|                                                      | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 3  |
|                                                      | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 3  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 3  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 89075-X109<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                      | C   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                      | B   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                      | A   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X110<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 5 | 7 | 7 | 7 | 7      | 7 | 6 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 8  | 7  | 7  |
|                                                      | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 6 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 8  | 7  | 7  |
|                                                      | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 8  | 7  | 7  |
|                                                      | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 8  | 7  | 7  |

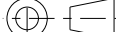
|                                               |                                       |       |        |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |        |                 |                |     |                |
|-----------------------------------------------|---------------------------------------|-------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|-----------------|----------------|-----|----------------|
| spec ref                                      |                                       | *     |        | dr                                                                                  | Terran Huang                                            | 2010/07/08 | projection<br> | mm<br> | size   | A4              | scale          | 2:1 |                |
| tolerance std<br><br>ASME Y14.5               | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng                                                                                 | Andy Lu                                                 | 2012/03/08 |                                                                                                     |                                                                                             | ecn no | ELX-DG-010531-1 |                |     |                |
|                                               |                                       |       |        | chr                                                                                 | Thian-Zhao Lin                                          | 2012/03/12 |                                                                                                     |                                                                                             |        |                 |                |     |                |
|                                               |                                       |       |        | appr                                                                                | Pei-Ming Zheng                                          | 2012/03/12 |                                                                                                     |                                                                                             |        |                 |                |     | product family |
| surface<br><br>3.200 linear<br><br>ASME Y14.5 |                                       | 0.X   | ±0.3   |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |                                                                                                     |                                                                                             | dwg no | 89075           |                | rev | CE             |
|                                               |                                       | 0.XX  | ±0.13  |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |        |                 |                |     |                |
|                                               |                                       | 0.XXX | ±0.051 |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |        |                 |                |     |                |
|                                               | angular                               | 0°    | ±2°    | www.fci.com                                                                         | cat. no.                                                | -          | Product - Customer Drw                                                                              |                                                                                             |        |                 | sheet 13 of 15 |     |                |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X111<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 1 | 3 | 1      | 3 | 1 | 3 | 3  | 3  | 3      | 3  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 3  | 1  | 3  | 1  |
|                                                      | C   | 3                      | 3 | 3 | 1 | 3 | 1      | 3 | 1 | 3 | 3  | 3  | 3      | 3  | 3  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 3  |
|                                                      | B   | 3                      | 3 | 3 | 1 | 3 | 1      | 3 | 1 | 3 | 3  | 3  | 3      | 3  | 3  | 1  | 1  | 1  | 1      | 1  | 1  | 3  | 3  | 3  | 3  |
|                                                      | A   | 3                      | 3 | 3 | 1 | 3 | 1      | 3 | 1 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 1  | 1  | 1      | 1  | 1  | 1  | 3  | 1  | 3  |

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X112<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | - | 3 | - | 3 | -      | 3 | - | 3 | 3  | -      | 3  | -  | 3  | -  | 3      | -  | 3  | -  | -  | 3  | -  | 3  | -  |
|                                                      | C   | 3                      | - | 3 | - | 3 | -      | 3 | - | 3 | 3  | -      | 3  | -  | 3  | -  | 3      | -  | 3  | -  | -  | 3  | -  | 3  | -  |
|                                                      | B   | 3                      | - | 3 | - | 3 | -      | 3 | - | 3 | 3  | -      | 3  | -  | 3  | -  | 3      | -  | 3  | -  | -  | 3  | -  | 3  | -  |
|                                                      | A   | 3                      | - | 3 | - | 3 | -      | 3 | - | 3 | 1  | -      | 3  | -  | 3  | -  | 3      | -  | 3  | -  | -  | 3  | -  | 3  | -  |



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|                                                                                                           |  |                                          |  |              |  |            |  |                                                                                     |  |                                                                                       |  |                      |  |                                                                                       |  |                |  |                 |  |       |  |     |  |
|-----------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|--------------|--|------------|--|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------|--|---------------------------------------------------------------------------------------|--|----------------|--|-----------------|--|-------|--|-----|--|
| spec ref *                                                                                                |  | dr                                       |  | Terran Huang |  | 2010/07/08 |  | projection                                                                          |  |  |  | mm                   |  |  |  | size           |  | A4              |  | scale |  | 2:1 |  |
| tolerance std<br>ASME Y14.5                                                                               |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED |  |              |  | eng        |  | Andy Lu                                                                             |  | 2012/03/08                                                                            |  |                      |  |                                                                                       |  | ecn no         |  | ELX-DG-010531-1 |  |       |  |     |  |
|                                                                                                           |  |                                          |  |              |  | chr        |  | Thian-Zhao Lin                                                                      |  | 2012/03/12                                                                            |  |                      |  |                                                                                       |  | rel level      |  | Released        |  |       |  |     |  |
|                                                                                                           |  |                                          |  |              |  | appr       |  | Pei-Ming Zheng                                                                      |  | 2012/03/12                                                                            |  |                      |  |                                                                                       |  | product family |  | METRAL          |  |       |  |     |  |
| surface <br>ASME Y14.5 |  | linear                                   |  | 0.X          |  | ±0.3       |  |  |  | title                                                                                 |  | METRAL SIGNAL HEADER |  | 4 MOD, 4 ROW PRESS-FIT                                                                |  | dwg no         |  | 89075           |  | rev   |  | CE  |  |
|                                                                                                           |  |                                          |  | 0.XX         |  | ±0.13      |  |                                                                                     |  |                                                                                       |  |                      |  |                                                                                       |  |                |  |                 |  |       |  |     |  |
|                                                                                                           |  |                                          |  | 0.XXX        |  | ±0.051     |  |                                                                                     |  |                                                                                       |  |                      |  |                                                                                       |  |                |  |                 |  |       |  |     |  |
| ASME Y14.5                                                                                                |  | angular                                  |  | 0°           |  | ±2°        |  | www.fci.com                                                                         |  | cat. no.                                                                              |  | -                    |  | Product - Customer Drw                                                                |  | sheet 14 of 15 |  |                 |  |       |  |     |  |



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| PRODUCT NUMBER                           |
|------------------------------------------|
| 89075-XY Y<br>OR<br>89075-XY Y Y         |
| 89075-XY Y L F<br>OR<br>89075-XY Y Y L F |

- 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:  
89075-XY Y IS SnPb  
89075-XY Y L F 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-XXXP OR XXXXX-XXXXP,  
XXXXX-XXXPLF OR XXXXX-XXXXPLF
  - PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
  - A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
  - AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
  - THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMIM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE:89075-X01LF

| PLATING IN CONTACT AREA      |                                   |             |
|------------------------------|-----------------------------------|-------------|
| DASH NUMBER                  | PERFORMANCE LEVEL                 | NOTES       |
| -A Y Y OR -A Y Y Y           | TELCORDIA CO                      | SEE NOTE 8  |
| -N1 Y Y OR -N1 Y Y Y         | TELCORDIA CO (NXT)                | -           |
| -1 Y Y OR -1 Y Y Y           | TELCORDIA CO                      | -           |
| -2 Y Y OR -2 Y Y Y           | TELECOM CLASS                     | -           |
| -3 Y Y OR -3 Y Y Y           | IEC CLASS I                       | -           |
| -N5 Y Y OR -N5 Y Y Y         | TELCORDIA UE (NXT)                | -           |
| -5 Y Y OR -5 Y Y Y           | TELCORDIA UE                      | -           |
| -A Y Y L F OR -A Y Y Y L F   | TELCORDIA CO                      | SEE NOTE 10 |
| -N1 Y Y L F OR -N1 Y Y Y L F | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -1 Y Y L F OR -1 Y Y Y L F   | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2 Y Y L F OR -2 Y Y Y L F   | TELECOM CLASS                     | SEE NOTE 10 |
| -N5 Y Y L F OR -N5 Y Y Y L F | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -5 Y Y L F OR -5 Y Y Y L F   | TELCORDIA UE                      | SEE NOTE 10 |

|               |  |                                       |  |                           |  |                               |  |                        |  |         |  |                |                        |  |
|---------------|--|---------------------------------------|--|---------------------------|--|-------------------------------|--|------------------------|--|---------|--|----------------|------------------------|--|
| spec ref *    |  |                                       |  | dr Terran Huang2010/07/08 |  | projection                    |  | mm                     |  | size A4 |  | scale 2:1      |                        |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |                           |  | eng Andy Lu2012/03/08         |  |                        |  |         |  |                | ecn no ELX-DG-010531-1 |  |
| ASME Y14.5    |  |                                       |  |                           |  | chr Thian-Zhao Lin2012/03/12  |  |                        |  |         |  |                | rel level Released     |  |
|               |  |                                       |  |                           |  | appr Pei-Ming Zheng2012/03/12 |  |                        |  |         |  |                | product family METRAL  |  |
| surface 3.2   |  |                                       |  |                           |  |                               |  |                        |  |         |  |                |                        |  |
| ASME Y14.5    |  | angular 0° ±2°                        |  | www.fci.com               |  | cat. no. -                    |  | Product - Customer Drw |  |         |  | sheet 15 of 15 |                        |  |