



Copyright FCI.

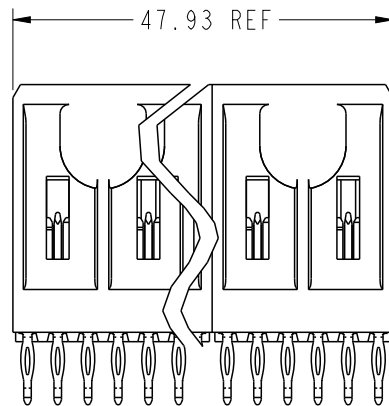
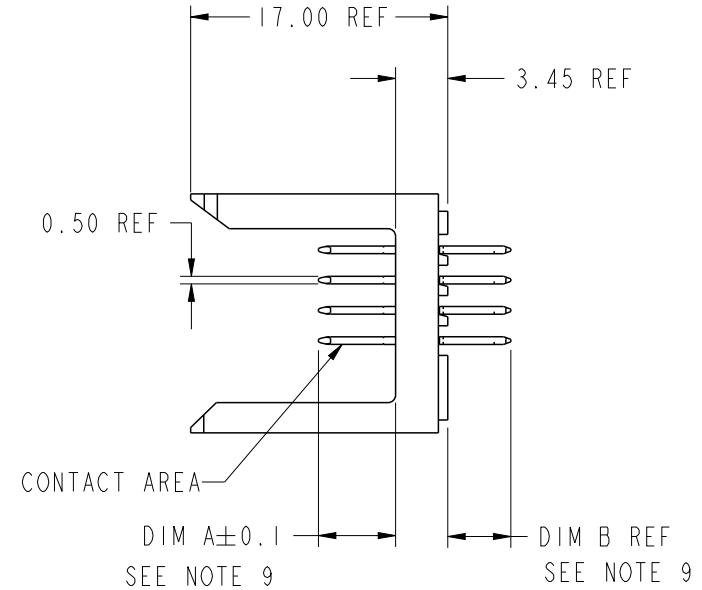
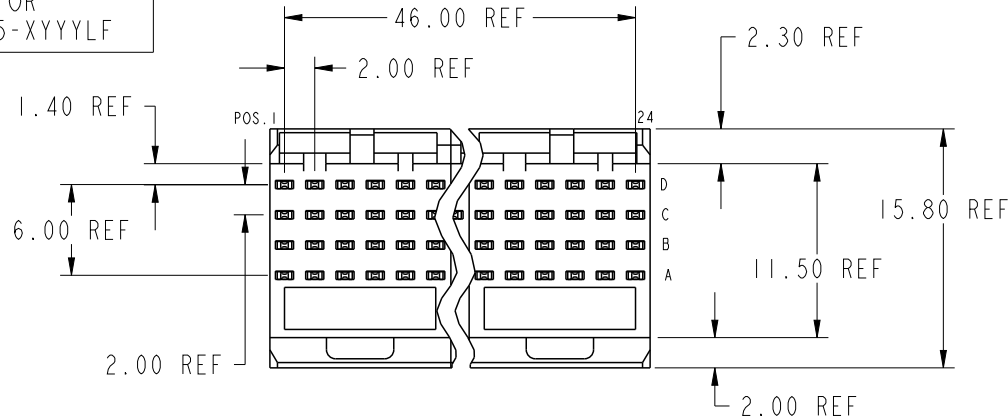
A

B

C

D

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



| 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 |                                   |                           | rel levelReleased |                 |       |               |                |  |        |    |
|               |                                       |         |        | appr                   | Pei-Ming Zheng | 2012/03/12 |                                   |                           |                   |                 |       |               | product family |  | METRAL |    |
| surface       | 3.200                                 | linear  | 0.X    | ±0.3                   |                | title      | METRAL SIGNAL HEADER              |                           |                   |                 |       | dwg no        | 89075          |  | rev    | CE |
| ASME Y14.5    | angular                               | 0.XX    | ±0.13  | 4 MOD, 4 ROW PRESS-FIT |                |            |                                   |                           |                   |                 |       |               |                |  |        |    |
|               |                                       | 0.XXX   | ±0.051 |                        |                |            |                                   |                           |                   |                 |       |               |                |  |        |    |
| ASME Y14.5    |                                       | angular | 0°     | ±2°                    | www.fci.com    | cat. no.   | -                                 | Product - Customer Drw    |                   |                 |       | sheet 1 of 15 |                |  |        |    |

PrintE File - REV C - 2009-06-09

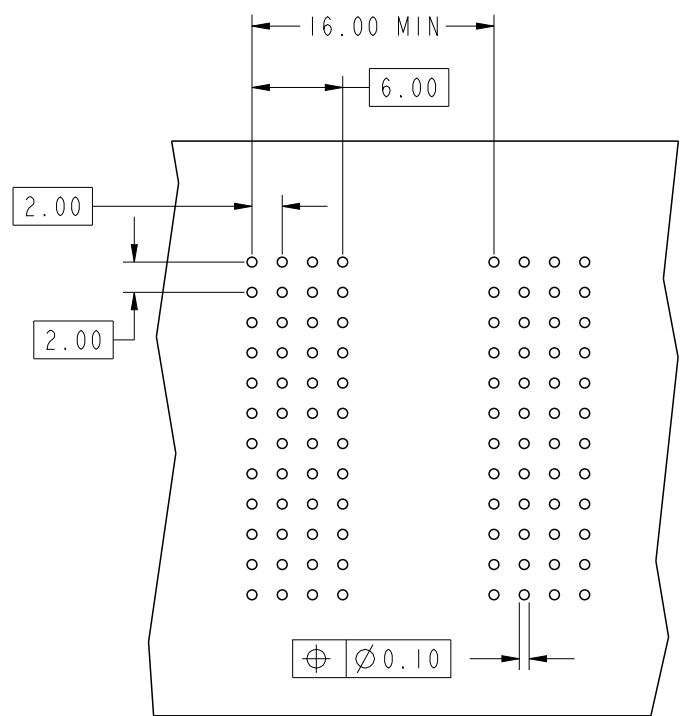
PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

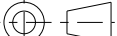


Copyright FCI.



| 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   |       |      |                |        |                        |           |          |  |       |                      |
|                                                                                                                |                                       |         |    |      |                |            |                                                                                                     |                                                                                             |        |                 | 0.X   | ±0.3 |                |        |                        |           |          |  | title | METRAL SIGNAL HEADER |
|                                                                                                                |                                       |         |    |      |                |            |                                                                                                     |                                                                                             |        |                 |       |      | 0.XX           | ±0.13  | 4 MOD, 4 ROW PRESS-FIT |           |          |  |       |                      |
| 0.XXX                                                                                                          | ±0.051                                |         |    |      |                |            |                                                                                                     |                                                                                             |        |                 |       |      |                |        |                        |           |          |  |       |                      |



Copyright FCI.

| 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   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 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 $\sqrt{3.2}$ linear | 0.X                                   | $\pm 0.3$   |
|                             | 0.XX                                  | $\pm 0.13$  |
|                             | 0.XXX                                 | $\pm 0.051$ |
| ASME Y14.5                  | angular                               | $0^{\circ}$ |

|             |                |                        |
|-------------|----------------|------------------------|
| 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             |
| FCI         |                | title                  |
| www.fci.com |                | 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 | 2 | 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>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>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   |     |          |



Copyright FCI.

| 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  |

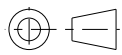
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 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 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 1  | 2  | 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                    | *                                     |             |               |
| 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 4 of 15 |                 |       |           |



Copyright FCI.

| 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      |  | *                                     |       | 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 |                                   |                           |                        | rel level       | Released |               |     |    |
|               |  |                                       |       | appr   | Pei-Ming Zheng                        | 2012/03/12 |                                   |                           | product family         |                 | METRAL   |               |     |    |
| surface       |  | <div>3.200 linear</div> <div></div>   | 0.X   | ±0.3   | <div>FCI</div> <div>www.fci.com</div> | title      | METRAL SIGNAL HEADER              |                           |                        |                 | dwg no   | 89075         | rev | CR |
|               |  |                                       | 0.XX  | ±0.13  |                                       |            |                                   |                           |                        |                 |          |               |     |    |
|               |  |                                       | 0.XXX | ±0.051 |                                       |            |                                   |                           |                        |                 |          |               |     |    |
| ASME Y14.5    |  | angular                               | 0°    | ±2°    | cat. no.                              |            | -                                 |                           | Product - Customer Drw |                 |          | sheet 5 of 15 |     |    |

Print File - REV C - 2009-06-09

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



Copyright FCI.

| 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  |

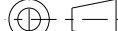
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 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-X36<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  | 5  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 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-X37<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 3  | -  | -  | 2  | -  | 6      | 6  | 6  | 6  | 6  | 6  | 7  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 3  | -  | -  | 2  | -  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 3  | -  | -  | 2  | -  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | A   | 5                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 3  | -  | -  | 2  | -  | 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-X38<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 4      | 2 | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  |
|                                                     | C   | 4                      | 4 | 4 | 4 | 4 | 4      | 2 | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  |
|                                                     | B   | 4                      | 4 | 4 | 4 | 4 | 4      | 2 | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  |
|                                                     | A   | 4                      | 4 | 4 | 4 | 4 | 4      | 2 | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 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 | 24 |
| 89075-X39<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 7 | 7 | 8      | 2 | 2 | 2 | 3  | 3      | 3  | 3  | 2  | 2  | 3      | 2  | 4  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 8                      | 7 | 7 | 7 | 7 | 8      | 2 | 2 | 2 | 3  | 3      | 3  | 3  | 2  | 2  | 3      | 2  | 4  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 8                      | 7 | 7 | 7 | 7 | 8      | 2 | 2 | 2 | 3  | 3      | 3  | 3  | 2  | 2  | 3      | 2  | 4  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 8                      | 7 | 7 | 7 | 7 | 8      | 2 | 2 | 2 | 3  | 3      | 3  | 3  | 2  | 2  | 3      | 2  | 4  | 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-X40<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 6 | 6 | 6 | 6      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 7                      | 7 | 6 | 6 | 6 | 6      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 7                      | 7 | 6 | 6 | 6 | 6      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 7                      | 7 | 6 | 6 | 6 | 6      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |

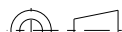
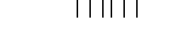
|               |  |                                       |  |        |  |                |  |                                                                                     |  |                                                                                       |  |                                                                                       |  |                        |  |               |  |          |  |       |  |     |  |
|---------------|--|---------------------------------------|--|--------|--|----------------|--|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------------------|--|---------------|--|----------|--|-------|--|-----|--|
| spec ref      |  | *                                     |  | dr     |  | Terran Huang   |  | 2010/07/08                                                                          |  | projection                                                                            |  |  |  | mm                     |  | size          |  | A4       |  | scale |  | 2:1 |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng    |  | Andy Lu        |  | 2012/03/08                                                                          |  |  |  | ecn no                                                                                |  | ELX-DG-010531-1        |  | rel level     |  | Released |  |       |  |     |  |
| ASME Y14.5    |  |                                       |  | chr    |  | Thian-Zhao Lin |  | 2012/03/12                                                                          |  |                                                                                       |  |                                                                                       |  |                        |  |               |  |          |  |       |  |     |  |
|               |  |                                       |  | appr   |  | Pei-Ming Zheng |  | 2012/03/12                                                                          |  |                                                                                       |  |                                                                                       |  |                        |  |               |  |          |  |       |  |     |  |
|               |  |                                       |  |        |  |                |  |                                                                                     |  |                                                                                       |  | product family                                                                        |  | METRAL                 |  |               |  |          |  |       |  |     |  |
| surface       |  | 3.200 linear                          |  | 0.X    |  | ±0.3           |  |  |  | title                                                                                 |  | METRAL SIGNAL HEADER                                                                  |  | 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 6 of 15 |  |          |  |       |  |     |  |

[illegible][illegible]

| 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                          | 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  |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | 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                          | D   | UNASSIGNED             |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   |                        |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |
|                                    | B   |                        |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |
|                                    | A   |                        |   |   |   |   |        |   |   |   |    |        |    |    |    |    |        |    |    |    |    |    |    |    |    |

|                                                                                                                                                 |                                       |       |        |                                                                                     |                                                         |            |                                                                                                                        |                                                                                                                |        |                 |       |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------|-----------------|-------|----------------|
| 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<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 <div><div>3/200</div><div></div></div><br>ASME Y14.5 | linear                                | 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 7 of 15   |       |                |



Copyright FCI.

| 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   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 7  | 7  | 7  | 7  |
|                                                     | C   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 7  | 7  | 7  | 7  |
|                                                     | B   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 7  | 7  | 7  | 7  |
|                                                     | A   | 22                     | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 22 | 22 | 22 | 22     | 22 | 22 | 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  | 3  | 3  | 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  | 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 |
|             |                |            |
| 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-X56<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 19 | 1  | 19 | 1  | 19     | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 19                     | 1  | 19 | 1  | 19 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 1                      | 19 | 1  | 19 | 1  | 19     | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 19                     | 1  | 19 | 1  | 19 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

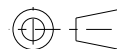
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 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 |
| 89075-X58<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 3      | 1  | 1  | 3  | 1  | 1  | 19 | 19 |
|                                                     | C   | 19                     | 19 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 3      | 1  | 1  | 3  | 1  | 1  | 19 | 19 |
|                                                     | B   | 19                     | 19 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 3      | 1  | 1  | 3  | 1  | 1  | 19 | 19 |
|                                                     | A   | 19                     | 19 | 1 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 3      | 1  | 1  | 1  | 1  | 3      | 1  | 1  | 3  | 1  | 1  | 19 | 19 |

| 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-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      | 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  | 2  | 3  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2      | 4  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2      | 4  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2      | 4  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 3  | 2  | 2  | 2  |

projection



mm





Copyright FCI.

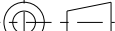
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 89075-X61<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 3 | 2 | 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 | 24 |
| 89075-X62<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 3 | 4 | 2  | 2      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 3 | 4 | 2  | 2      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 1  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 3 | 4 | 2  | 2      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 3 | 4 | 2  | 2      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 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-X63<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  | 2  | 3      | 2  | 2  | 4  | 3  | 3  | 4  | 4  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3      | 3  | 3  | 3  | 2  | 3      | 2  | 2  | 4  | 3  | 3  | 4  | 4  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3      | 3  | 3  | 3  | 2  | 3      | 2  | 2  | 4  | 3  | 3  | 4  | 4  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 4      | 2 | 2 | 3 | 3  | 3      | 3  | 3  | 3  | 2  | 3      | 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-X64<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 4  | 3  | 4  | 2  | 2  | 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-X65<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 7  | 7  | 7  |
|                                                     | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 7  | 7  | 7  |
|                                                     | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 8  | 8  | 7  | 7  | 7  |

|               |  |  |  |                                       |  |  |  |                                                                                     |  |                |  |            |  |                |  |                                                                                       |  |        |  |           |  |    |  |                 |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
|---------------|--|--|--|---------------------------------------|--|--|--|-------------------------------------------------------------------------------------|--|----------------|--|------------|--|----------------|--|---------------------------------------------------------------------------------------|--|--------|--|-----------|--|----|--|-----------------|--|-----|--|------------------------|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|
| spec ref      |  |  |  | *                                     |  |  |  | dr                                                                                  |  | Terran Huang   |  | 2010/07/08 |  | projection     |  |  |  | mm     |  | size      |  | A4 |  | scale           |  | 2:1 |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
| tolerance std |  |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |  |  | eng                                                                                 |  | Andy Lu        |  | 2012/03/08 |  | product family |  |  |  | METRAL |  | ecn no    |  |    |  | ELX-DG-010531-1 |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
| ASME Y14.5    |  |  |  |                                       |  |  |  | chr                                                                                 |  | Thian-Zhao Lin |  | 2012/03/12 |  |                |  |                                                                                       |  |        |  | rel level |  |    |  | Released        |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
|               |  |  |  |                                       |  |  |  | appr                                                                                |  | Pei-Ming Zheng |  | 2012/03/12 |  |                |  |                                                                                       |  |        |  |           |  |    |  |                 |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
|               |  |  |  |                                       |  |  |  |                                                                                     |  |                |  |            |  |                |  |                                                                                       |  |        |  |           |  |    |  |                 |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
| surface       |  |  |  | 3.200 linear                          |  |  |  |  |  |                |  | title      |  |                |  | METRAL SIGNAL HEADER                                                                  |  |        |  | dwg no    |  |    |  | 89075           |  |     |  | rev                    |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
|               |  |  |  |                                       |  |  |  |                                                                                     |  |                |  |            |  |                |  |                                                                                       |  |        |  |           |  |    |  |                 |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
|               |  |  |  |                                       |  |  |  |                                                                                     |  |                |  |            |  |                |  |                                                                                       |  |        |  |           |  |    |  |                 |  |     |  |                        |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |
| ASME Y14.5    |  |  |  | angular                               |  |  |  | 0°                                                                                  |  |                |  | ±2°        |  |                |  | www.fci.com                                                                           |  |        |  | cat. no.  |  |    |  | -               |  |     |  | Product - Customer Drw |  |  |  | sheet 9 of 15 |  |  |  |  |  |  |  |  |  |  |  |

Print File - REV C - 2009-06-09

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



Copyright FCI.

| 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      | 3  | 3  | 3  | 3  | 4  |    |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 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      | 3  | 3  | 3  | 3  | 4  |    |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 4 | 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 | 2      | 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 |
| 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  |
|                                                     | C   | 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  | 2  | 2  |
|                                                     | A   | 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 |



Copyright FCI.

| 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>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 | 12 | 12 | 11 | 11 | 12     | 11 | 12 | 11 | 12 | 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 | 12 | 12 | 11 | 11 | 12     | 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  | 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  | 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  | 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 |                |     |  |     |    |
|               |              | 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 | CE |
|               | 0.XX         | ±0.13  |                |             |                |                      |                        |        |                 |                |     |  |     |    |
|               | 0.XXX        | ±0.051 |                |             |                |                      |                        |        |                 |                |     |  |     |    |
| ASME Y14.5    | angular      | 0°     | ±2°            | www.fci.com | cat. no.       | -                    | Product - Customer Drw |        |                 | sheet 11 of 15 |     |  |     |    |



Copyright FCI.

| 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-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  | 4  | 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  | 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  | 2  |
|                                                     | A   | 2                      | 4 | 2 | 2 | 4 | 2 | 2      | 4 | 2 | 2  | 4  | 2  | 2      | 4  | 2  | 2  | 4  | 2  | 2      | 4  | 2  | 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-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  | 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      | 2  | 3  | 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-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      |                                       | *      |       | 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       | <div></div>                           | linear | 0.X   | ±0.3        | <div></div>    | title      | METRAL SIGNAL HEADER              |                           |        |                 | dwg no         | 89075          |        | rev | CE        |                        |
|               |                                       |        | 0.XX  | ±0.13       |                |            |                                   |                           |        |                 |                |                |        |     |           | 4 MOD, 4 ROW PRESS-FIT |
|               |                                       |        | 0.XXX | ±0.051      |                |            |                                   |                           |        |                 |                |                |        |     |           |                        |
| ASME Y14.5    | angular                               | 0°     | ±2°   | www.fci.com | cat. no.       | -          | Product - Customer Drw            |                           |        |                 | sheet 12 of 15 |                |        |     |           |                        |

Print File - REV C - 2009-06-09

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



Copyright FCI.

| 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  |    |
|                                                      | 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  | 2  | 1      | 2  | 2  | 2  | 2  | 1  | 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      | 2  | 3  | 3  | 2  | 3  | 2  |
|                                                      | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 2  | 3  | 2  |
|                                                      | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 2  | 3  | 2  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 3  | 3  | 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-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  | 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  | 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  | 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  | 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  | 8  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 8  | 7  | 7  |  |
|                                                      | A   | 7                      | 7 | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7  | 7  | 8  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 8  | 7  | 7  |  |

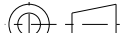
|               |              |      |                |            |                |                |            |        |                        |                |          |
|---------------|--------------|------|----------------|------------|----------------|----------------|------------|--------|------------------------|----------------|----------|
| 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°   | ±0.3           | ±0.13      | ±0.051         | 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>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  | -  |



Copyright FCI.

|                              |                                       |       |        |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |        |                 |                |           |
|------------------------------|---------------------------------------|-------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|-----------------|----------------|-----------|
| 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 |                                                                                                     |                                                                                             |        |                 |                |           |
| surface<br>3.200 linear<br>✓ |                                       | 0.X   | ±0.3   |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |                                                                                                     |                                                                                             | dwg no | 89075           |                | rev<br>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 |           |



Copyright FCI.

| 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 MAXIMUM 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     |  |  |  |
| surface 3.200 linear |  |                                       |  |                           |  | appr Pei-Ming Zheng2012/03/12                        |  |                        |  |              |  | product family METRAL  |  |  |  |
|                      |  |                                       |  |                           |  |                                                      |  |                        |  |              |  |                        |  |  |  |
| ASME Y14.5           |  | angular 0° ±2°                        |  | www.fci.com               |  | title METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |                        |  | dwg no 89075 |  | rev CE                 |  |  |  |
|                      |  |                                       |  |                           |  | cat. no. -                                           |  | Product - Customer Drw |  |              |  | sheet 15 of 15         |  |  |  |



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

Наши преимущества:

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

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

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



#### Как с нами связаться

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

**Факс:** 8 (812) 320-02-42

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

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