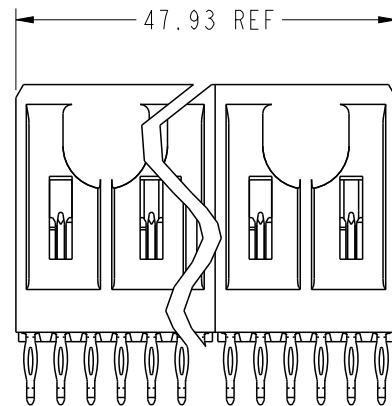
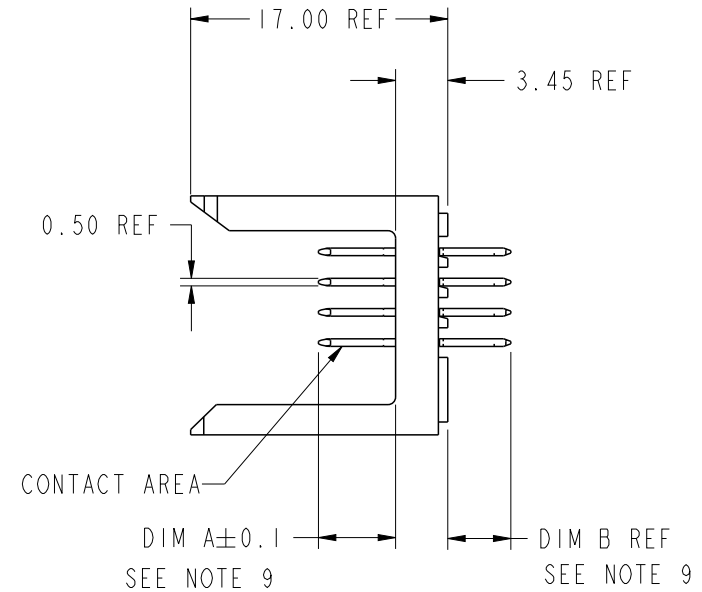
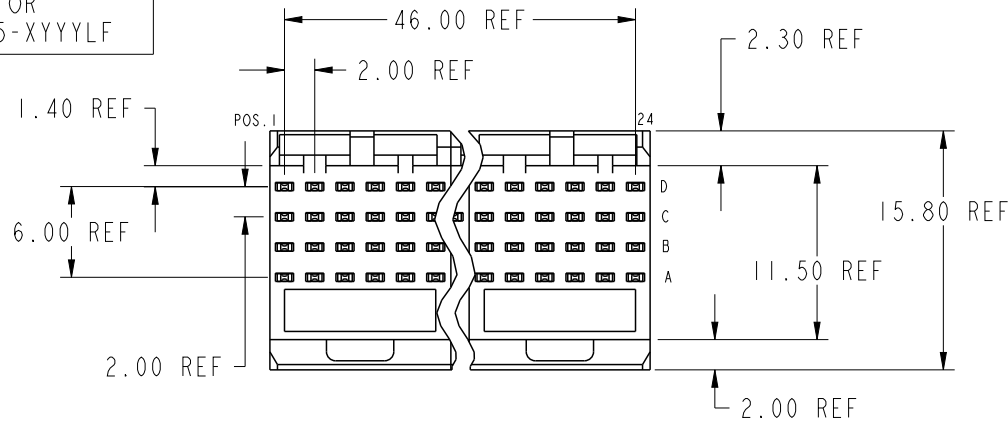




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| PRODUCT NUMBER                    |
|-----------------------------------|
| 89075-XXX<br>OR<br>89075-YYYY     |
| 89075-XXYLF<br>OR<br>89075-YYYYLF |



| 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           | projection     |                        | mm     |           | size          | A4              | scale | 2:1 |
| tolerance std | 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       | 3.200 linear | 0.X                                   | ±0.3   |             | title          | METRAL SIGNAL HEADER |                |                        |        | dwg no    | 89075         |                 | rev   |     |
|               |              | 0.XX                                  | ±0.13  |             |                |                      |                |                        |        |           |               |                 |       |     |
|               |              | 0.XXX                                 | ±0.051 |             |                |                      |                |                        |        |           |               |                 |       |     |
| ASME Y14.5    | angular      | 0°                                    | ±2°    | www.fci.com | cat. no.       | -                    |                | Product - Customer Drw |        |           | sheet 1 of 15 |                 | CE    |     |

PrintE File - REV C - 2009-06-09

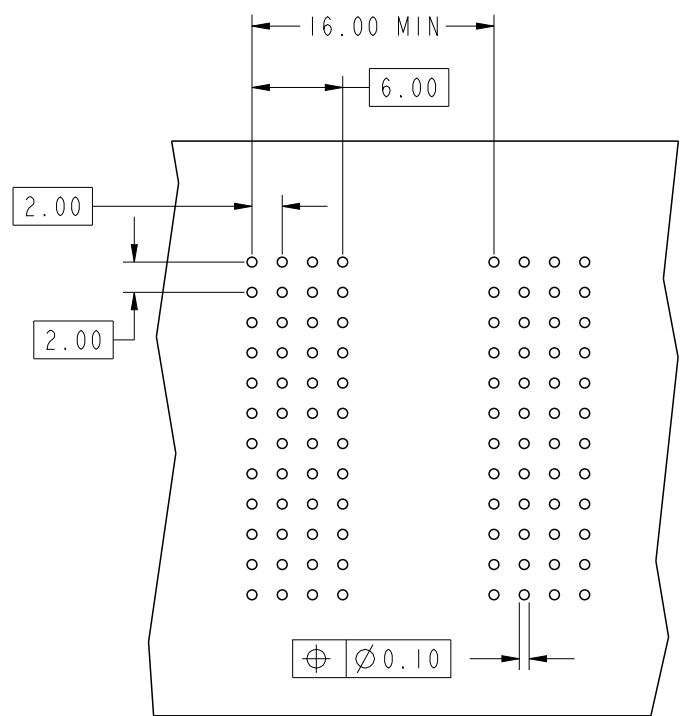
PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

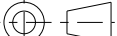


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| KEY  |              |              |
|------|--------------|--------------|
| CODE | DIMENSIONS   |              |
|      | DIM "A" MATE | DIM "B" TAIL |
| 1    | 5.00         | 4.30         |
| 2    | 5.75         | 4.30         |
| 3    | 6.50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

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

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



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

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

cat. no.

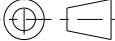
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|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

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

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

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

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

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



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

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

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

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

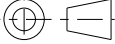
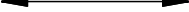
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X15<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 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<br> |                        | mm<br> | size<br>A4                | scale<br>2:1  |
| product family<br>METRAL                                                                            |                        |                                                                                             | ecn no<br>ELX-DG-010531-1 |               |
| rel level<br>Released                                                                               |                        |                                                                                             |                           |               |
| L HEADER                                                                                            |                        | dwg no<br>89075                                                                             | rev                       |               |
| S-FIT                                                                                               |                        |                                                                                             | C                         |               |
| -                                                                                                   | Product - Customer Drw |                                                                                             |                           | sheet 4 of 15 |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X21<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
|                                                     | C   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
|                                                     | B   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
|                                                     | A   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 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 | 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 |       |          |
| ASME Y14.5    |  |                                       |       | chr    | Thian-Zhao Lin | 2012/03/12 |                      |                        |        |           |        |                 |       |          |
|               |  |                                       |       | appr   | Pei-Ming Zheng | 2012/03/12 | product family       |                        | METRAL | rel level |        |                 |       | Released |
| surface       |  | 3.200 linear                          | 0.X   | ±0.3   |                | title      | METRAL SIGNAL HEADER |                        |        | dwg no    | 89075  |                 | rev   | CP       |
|               |  |                                       | 0.XX  | ±0.13  |                |            |                      |                        |        |           |        |                 |       |          |
|               |  |                                       | 0.XXX | ±0.051 |                |            |                      |                        |        |           |        |                 |       |          |
| ASME Y14.5    |  | angular                               | 0°    | ±2°    | www.fci.com    | cat. no.   | -                    | Product - Customer Drw |        |           |        | sheet 5 of 15   |       |          |



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

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

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

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

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

| 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  |

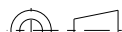
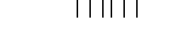
|               |              |      |                |             |                |                      |                        |          |                 |                        |               |
|---------------|--------------|------|----------------|-------------|----------------|----------------------|------------------------|----------|-----------------|------------------------|---------------|
| spec ref      | *            | dr   | Terran Huang   | 2010/07/08  | projection     |                      | mm                     | size     | A4              | scale                  | 2:1           |
| tolerance std | 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 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 3/200 linear<br><br>ASME Y14.5 |                                       | 0.X     | ±0.3   |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |                                                                                                                        | dwg no                                                                                                         | 89075  |                 | rev   | CE             |
|                                                                                                                           |                                       | 0.XX    | ±0.13  |                                                                                     |                                                         |            |                                                                                                                        |                                                                                                                |        |                 |       |                |
|                                                                                                                           |                                       | 0.XXX   | ±0.051 |                                                                                     |                                                         |            |                                                                                                                        |                                                                                                                |        |                 |       |                |
|                                                                                                                           | ASME Y14.5                            | angular | 0°     | ±2°                                                                                 | www.fci.com                                             | cat. no.   | -                                                                                                                      | Product - Customer Drw                                                                                         |        | sheet 7 of 15   |       |                |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-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  | 19 | 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.

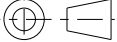
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|----|----|----|----|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 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 | 24 |
| 89075-X58<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | 1 | 1 | 1 | 3      | 1 | 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  | 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  | 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  | 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  | 2  | 3  | 2  | 2  | 2  |

|                                                                                       |                        |                                                                                             |        |    |                 |     |
|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------|--------|----|-----------------|-----|
| projection                                                                            |                        | mm<br> | 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                                                                                 |                        |                                                                                             |        |    | CE              |     |
| -                                                                                     | Product - Customer Drw |                                                                                             |        |    | sheet 8 of 15   |     |



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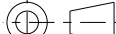
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 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      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 8  | 8  | 7  | 7  | 7  |
|                                                     | 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 |  |                                       |  | eng   |  | Andy Lu        |  | 2012/03/08  |  |                |  |                                                                                       |  |                        |  | ecn no        |  | ELX-DG-010531-1 |  |       |  |     |  |
| ASME Y14.5    |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr   |  | Thian-Zhao Lin |  | 2012/03/12  |  |                |  |                                                                                       |  |                        |  |               |  |                 |  |       |  |     |  |
|               |  |                                       |  | appr  |  | Pei-Ming Zheng |  | 2012/03/12  |  | product family |  | METRAL                                                                                |  |                        |  | rel level     |  | Released        |  |       |  |     |  |
| surface       |  | 3.200 linear                          |  | 0.X   |  | ±0.3           |  | FCI         |  | title          |  | METRAL SIGNAL HEADER                                                                  |  | dwg no                 |  | 89075         |  | rev             |  | C1    |  |     |  |
|               |  |                                       |  | 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 9 of 15 |  |                 |  |       |  |     |  |

Print File - REV C - 2009-06-09

PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 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  | 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  | 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  | 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  | 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-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 |
| 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 |



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

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

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

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

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

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

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X87<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 4 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 6  | 6      | 6  | 6  | 6  | 6  | 7  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 6  | 6      | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 8  | 8      | 8  | 6  | 6  | 6  | 6  |
|                                                     | A   | 5                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 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-X88<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  | 4  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

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

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

|               |  |                                       |  |        |  |                |  |             |  |                |  |                      |  |                        |  |                 |  |       |  |     |  |
|---------------|--|---------------------------------------|--|--------|--|----------------|--|-------------|--|----------------|--|----------------------|--|------------------------|--|-----------------|--|-------|--|-----|--|
| spec ref      |  | *                                     |  | dr     |  | Terran Huang   |  | 2010/07/08  |  | 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 |  |       |  |     |  |
| ASME Y14.5    |  |                                       |  | chr    |  | Thian-Zhao Lin |  | 2012/03/12  |  |                |  |                      |  |                        |  |                 |  |       |  |     |  |
|               |  |                                       |  | appr   |  | Pei-Ming Zheng |  | 2012/03/12  |  |                |  |                      |  |                        |  |                 |  |       |  |     |  |
|               |  |                                       |  |        |  |                |  |             |  |                |  |                      |  |                        |  |                 |  |       |  |     |  |
|               |  |                                       |  |        |  |                |  |             |  | product family |  | METRAL               |  | rel level              |  | Released        |  |       |  |     |  |
| surface       |  | 3.200 linear                          |  | 0.X    |  | ±0.3           |  |             |  | title          |  | METRAL SIGNAL HEADER |  | dwg no                 |  | 89075           |  | rev   |  |     |  |
|               |  | 0.XX                                  |  | ±0.13  |  |                |  |             |  |                |  |                      |  |                        |  |                 |  |       |  |     |  |
|               |  | 0.XXX                                 |  | ±0.051 |  |                |  |             |  |                |  |                      |  |                        |  |                 |  |       |  |     |  |
| ASME Y14.5    |  | angular                               |  | 0°     |  | ±2°            |  | www.fci.com |  | cat. no.       |  | -                    |  | Product - Customer Drw |  | sheet 11 of 15  |  |       |  |     |  |



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| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 | 23 | 24 |
| 89075-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                    | *                                     |             |               |
| tolerance std               | TOLERANCES UNLESS OTHERWISE SPECIFIED |             |               |
| ASME Y14.5                  |                                       |             |               |
| surface $\sqrt{3.2}$ linear | 0.X                                   | $\pm 0.3$   |               |
|                             | 0.XX                                  | $\pm 0.13$  |               |
|                             | 0.XXX                                 | $\pm 0.051$ |               |
| ASME Y14.5                  | angular                               | 0°          | $\pm 2^\circ$ |

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



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

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 | 23 | 24 |
| 89075-X96<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      | 4  | 4  | 3  | 3  |    |
|                                                     | C   | 3                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 3  | 3  |    |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 3  | 3  |    |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 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-X97<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  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | -      | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | -      | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 2 | 2 | 2  | 2  | 2  | 1      | 2  | 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-X98<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 2  |
|                                                     | C   | 2                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 2  |
|                                                     | B   | 2                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 2  |
|                                                     | A   | 2                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 1      | 1  | 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-X99<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 4 | 3 | 4 | 2 | 4      | 2 | 4 | 2  | 4  | 2  | 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  | 4      | 3  | 4  | 3  | 4  | 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-X100<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  | 1  | 2  | 2  | 2      | 1  | 2  | 2  | 2  | 2  |
|                                                      | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 19 | 1  | 2  | 2      | 2  | 2  | 2  | 2  | 1  |

|            |  |    |
|------------|--|----|
| projection |  | mm |
|------------|--|----|



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

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

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

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

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

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

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

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

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

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

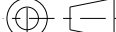
|                                       |  |            |       |        |                |            |                                                |                        |           |                 |                |          |
|---------------------------------------|--|------------|-------|--------|----------------|------------|-----------------------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



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|                                     |  |                                                                                     |  |              |  |                                                |  |                |  |                                                                                       |  |        |  |                                                                                       |  |                |  |                 |  |                |  |     |  |
|-------------------------------------|--|-------------------------------------------------------------------------------------|--|--------------|--|------------------------------------------------|--|----------------|--|---------------------------------------------------------------------------------------|--|--------|--|---------------------------------------------------------------------------------------|--|----------------|--|-----------------|--|----------------|--|-----|--|
| spec ref *                          |  | dr                                                                                  |  | Terran Huang |  | 2010/07/08                                     |  | projection     |  |  |  | mm     |  |  |  | size           |  | A4              |  | scale          |  | 2:1 |  |
| tolerance std<br>ASME Y14.5         |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED                                            |  |              |  | eng                                            |  | Andy Lu        |  | 2012/03/08                                                                            |  |        |  |                                                                                       |  | ecn no         |  | ELX-DG-010531-1 |  |                |  |     |  |
|                                     |  |                                                                                     |  |              |  | chr                                            |  | Thian-Zhao Lin |  | 2012/03/12                                                                            |  |        |  |                                                                                       |  | rel level      |  | Released        |  |                |  |     |  |
|                                     |  |                                                                                     |  |              |  | appr                                           |  | Pei-Ming Zheng |  | 2012/03/12                                                                            |  |        |  |                                                                                       |  | product family |  | METRAL          |  |                |  |     |  |
| surface<br>3.2 linear<br>ASME Y14.5 |  |  |  | title        |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |                |  |                                                                                       |  | dwg no |  | 89075                                                                                 |  |                |  |                 |  | rev            |  | CE  |  |
|                                     |  |                                                                                     |  |              |  |                                                |  |                |  |                                                                                       |  |        |  |                                                                                       |  |                |  |                 |  |                |  |     |  |
|                                     |  |                                                                                     |  |              |  |                                                |  |                |  |                                                                                       |  |        |  |                                                                                       |  |                |  |                 |  |                |  |     |  |
| ASME Y14.5                          |  | angular                                                                             |  | 0°           |  | ±2°                                            |  | www.fci.com    |  | cat. no.                                                                              |  | -      |  | Product - Customer Drw                                                                |  |                |  |                 |  | sheet 14 of 15 |  |     |  |



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

- NOTES:
- FOR DIM A AND B SEE SHEET 2 AND UP.
  - BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
  - PIN MATERIAL:  
PHOSPHOR BRONZE.
  - PLATING ON PRESS-FIT TAIL:  
89075-XY Y IS SnPb  
89075-XY Y L F IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
  - PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
  - ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXP OR XXXXX-XXXXP,  
XXXXX-XXXPLF OR XXXXX-XXXXPLF
  - PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
  - A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
  - AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
  - THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A 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  |  |
|                      |  |                                       |  |                           |  | title METRAL SIGNAL HEADER    |  |            |  |                        |  | dwg no 89075           |  |
| ASME Y14.5           |  | angular                               |  | 0° ±0.3 ±0.13 ±0.051      |  | www.fci.com                   |  | cat. no. - |  | Product - Customer Drw |  | sheet 15 of 15         |  |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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