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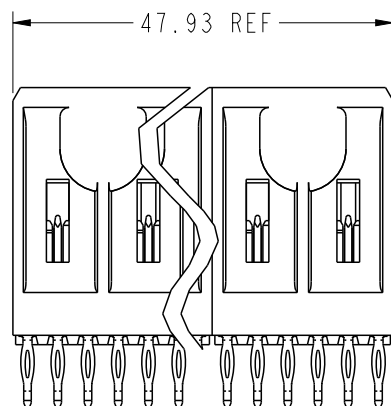
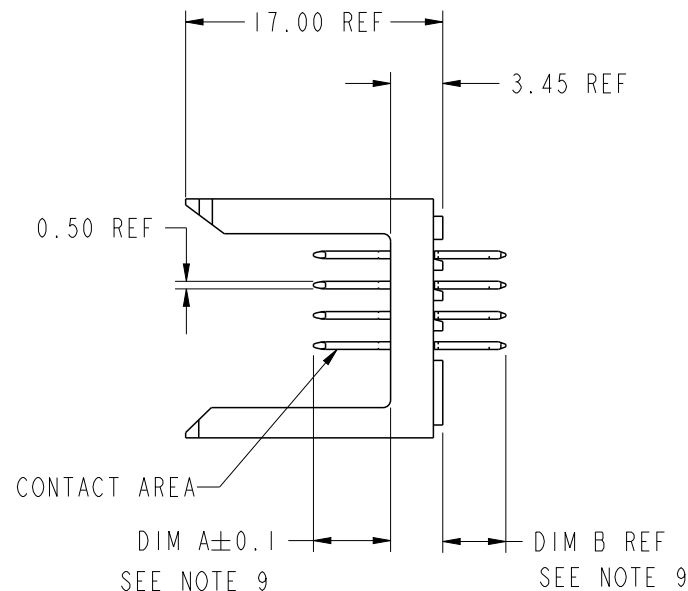
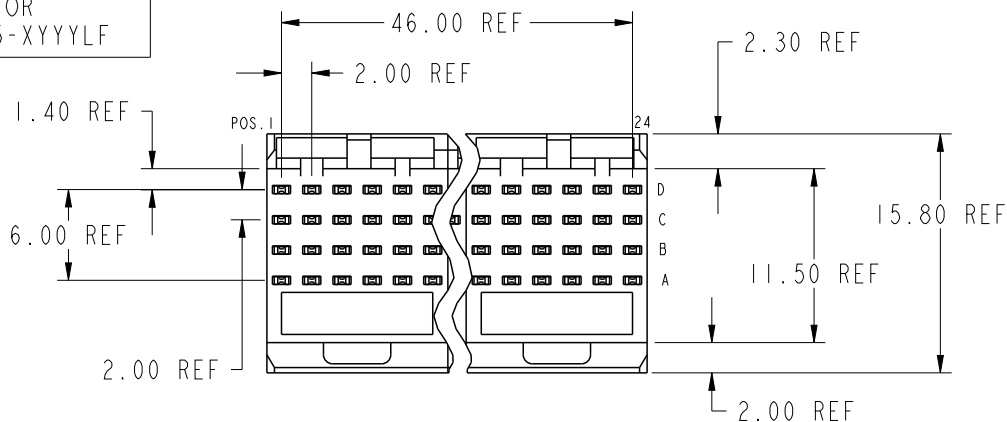
A

B

C

D

| 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 |              | 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 1 of 15 |                 |       |          |

PrintE File - REV C - 2009-06-09

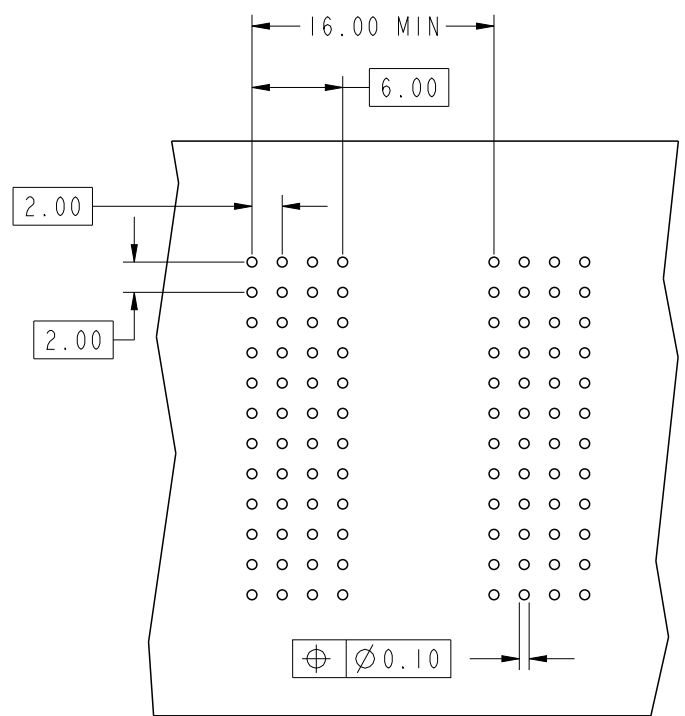
PDS: Rev :CE

STATUS:Released

Printed: Mar 12, 2012

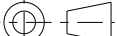


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| KEY  |              |              |
|------|--------------|--------------|
| CODE | DIMENSIONS   |              |
|      | DIM "A" MATE | DIM "B" TAIL |
| 1    | 5.00         | 4.30         |
| 2    | 5.75         | 4.30         |
| 3    | 6.50         | 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°  |  | title      | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT                                                      |                                                                                             |        |                 | dwg no | 89075         |                |        |  |           |          |  | rev | CE |  |  |
|                                                                                                                |                                       |         |    |      |                                                                                     |            |                                                                                                     |                                                                                             |        |                 |        |               |                |        |  |           |          |  |     |    |  |  |
|                                                                                                                |                                       |         |    |      |                                                                                     |            |                                                                                                     |                                                                                             |        |                 |        |               |                |        |  |           |          |  |     |    |  |  |
| www.fci.com                                                                                                    |                                       |         |    |      | cat. no.                                                                            | -          | Product - Customer Drw                                                                              |                                                                                             |        |                 |        | sheet 2 of 15 |                |        |  |           |          |  |     |    |  |  |

PrintE File - REV C - 2009-06-09



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

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

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

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

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

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

|             |                |            |
|-------------|----------------|------------|
| 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.

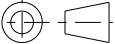
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X06<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  |
|                                                     | C   | 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  | 3  |
|                                                     | A   | 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  | 2      | 2  | 2  | 2  | 2  | 1  | 1      | 1  | 1  | 1  | 1  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  | 2      | 2  | 2  | 2  | 2  | 1  | 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  | 2      | 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<br> |                        | mm<br> | size<br>A4                | scale<br>2:1  |
| product family                                                                                      |                        | METRAL                                                                                      | ecn no<br>ELX-DG-010531-1 |               |
|                                                                                                     |                        |                                                                                             | rel level<br>Released     |               |
| L HEADER                                                                                            |                        | dwg no<br>89075                                                                             |                           | rev           |
| S-FIT                                                                                               |                        |                                                                                             |                           | CE            |
| -                                                                                                   | 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                          | 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 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | 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                          | 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  |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | 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                          | 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  |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | 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                          | 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  |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | 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                          | 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 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 1  | 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       | 3.200linear                           | 0.X   | ±0.3   |
|               |                                       | 0.XX  | ±0.13  |
|               |                                       | 0.XXX | ±0.051 |
| ASME Y14.5    | angular                               | 0°    | ±2°    |

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

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

cat. no.

|                        |  |    |               |                 |       |           |
|------------------------|--|----|---------------|-----------------|-------|-----------|
| projection             |  | mm | size          | A4              | scale | 2:1       |
|                        |  |    | ecn no        | ELX-DG-010531-1 |       |           |
| product family         |  |    | METRAL        |                 |       | rel level |
|                        |  |    | Released      |                 |       |           |
| dwg no                 |  |    | 89075         |                 |       | rev       |
|                        |  |    | CE            |                 |       |           |
| Product - Customer Drw |  |    | sheet 4 of 15 |                 |       |           |



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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 |          |     |    |
|               |                                       |         |        | chr | Thian-Zhao Lin | 2012/03/12     |                      |                        |    |        |           |                 |          |     |    |
| ASME Y14.5    |                                       |         |        |     | 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 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng    |  | Andy Lu        |  | 2012/03/08  |  |            |  |                      |  | ecn no                 |  | ELX-DG-010531-1 |  |     |  |       |  |     |  |
| ASME Y14.5    |  |                                       |  | chr    |  | Thian-Zhao Lin |  | 2012/03/12  |  |            |  |                      |  | rel level              |  | Released        |  |     |  |       |  |     |  |
|               |  |                                       |  | appr   |  | Pei-Ming Zheng |  | 2012/03/12  |  |            |  |                      |  | product family         |  | METRAL          |  |     |  |       |  |     |  |
|               |  |                                       |  |        |  |                |  |             |  |            |  |                      |  |                        |  |                 |  |     |  |       |  |     |  |
| surface       |  | 3.200 linear                          |  | 0.X    |  | ±0.3           |  |             |  | title      |  | METRAL SIGNAL HEADER |  | dwg no                 |  | 89075           |  | rev |  | CR    |  |     |  |
|               |  | 0.XX                                  |  | ±0.13  |  |                |  |             |  |            |  |                      |  |                        |  |                 |  |     |  |       |  |     |  |
|               |  | 0.XXX                                 |  | ±0.051 |  |                |  |             |  |            |  |                      |  |                        |  |                 |  |     |  |       |  |     |  |
| ASME Y14.5    |  | angular                               |  | 0°     |  | ±2°            |  | www.fci.com |  | cat. no.   |  | -                    |  | Product - Customer Drw |  | sheet 6 of 15   |  |     |  |       |  |     |  |

[illegible][illegible]

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

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

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

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|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 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 | 1 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | C   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

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

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

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

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X55<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 3  | 3  | 3      | 3  | 3  | 3  | 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      |  | *                                     |  | 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 |  |                        |  |               |  | rel level            |  | Released        |  |       |  |       |  |     |  |
|               |  |                                       |  | appr        |  | Pei-Ming Zheng         |  | 2012/03/12 |  |                        |  |               |  | product family       |  | METRAL          |  |       |  |       |  |     |  |
| surface       |  |                                       |  | linear      |  | 0.X                    |  | ±0.3       |  |                        |  | title         |  | METRAL SIGNAL HEADER |  | dwg no          |  | 89075 |  | rev   |  | CR  |  |
|               |  | 0.XX                                  |  | ±0.13       |  | 4 MOD, 4 ROW PRESS-FIT |  |            |  |                        |  |               |  |                      |  |                 |  |       |  |       |  |     |  |
| ASME Y14.5    |  | angular                               |  | 0°          |  | ±2°                    |  |            |  |                        |  |               |  |                      |  |                 |  |       |  |       |  |     |  |
|               |  |                                       |  | www.fci.com |  | cat. no.               |  | -          |  | 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 | 24 |
| 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  | 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  | 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  | 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  | 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 |
| 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  |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 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  | 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  |

|                      |  |  |  |         |  |                |            |            |       |             |  |                |                      |                 |       |                        |        |  |       |               |     |  |    |  |
|----------------------|--|--|--|---------|--|----------------|------------|------------|-------|-------------|--|----------------|----------------------|-----------------|-------|------------------------|--------|--|-------|---------------|-----|--|----|--|
| 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           |  |  |  | chr     |  | Thian-Zhao Lin | 2012/03/12 |            |       |             |  | rel level      |                      | Released        |       |                        |        |  |       |               |     |  |    |  |
|                      |  |  |  | appr    |  | Pei-Ming Zheng | 2012/03/12 |            |       |             |  | product family |                      | METRAL          |       |                        |        |  |       |               |     |  |    |  |
| surface 3.200 linear |  |  |  | 0.X     |  | ±0.3           |            |            | title |             |  |                | METRAL SIGNAL HEADER |                 |       |                        | dwg no |  | 89075 |               | rev |  | CP |  |
|                      |  |  |  | 0.XX    |  | ±0.13          |            |            |       |             |  |                |                      |                 |       |                        |        |  |       |               |     |  |    |  |
|                      |  |  |  | 0.XXX   |  | ±0.051         |            |            |       |             |  |                |                      |                 |       |                        |        |  |       |               |     |  |    |  |
| ASME Y14.5           |  |  |  | angular |  | 0°             |            | ±2°        |       | www.fci.com |  | cat. no.       |                      | -               |       | Product - Customer Drw |        |  |       | sheet 9 of 15 |     |  |    |  |



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

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

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

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

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

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X76<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  |    |
|                                                     | C   | 2                      | 2 | 2 | 2 | 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  |    |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 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  |    |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 3      | 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  |    |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 3      | 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 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A4                     | scale    | 2:1            |     |    |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng    | Andy Lu                               | 2012/03/08 |                                   |                           | ecn no         | ELX-DG-010531-1        |          |                |     |    |
| ASME Y14.5    |  |                                       |       | chr    | Thian-Zhao Lin                        | 2012/03/12 |                                   |                           |                | rel level              | Released |                |     |    |
|               |  |                                       |       | appr   | Pei-Ming Zheng                        | 2012/03/12 |                                   |                           | product family |                        | METRAL   |                |     |    |
| surface       |  | <div>3.200 linear</div> <div></div>   | 0.X   | ±0.3   | <div>FCI</div> <div>www.fci.com</div> | title      | METRAL SIGNAL HEADER              |                           |                | dwg no                 | 89075    |                | rev | CE |
|               |  |                                       | 0.XX  | ±0.13  |                                       |            |                                   |                           |                |                        |          |                |     |    |
|               |  |                                       | 0.XXX | ±0.051 |                                       |            |                                   |                           |                |                        |          |                |     |    |
| ASME Y14.5    |  | angular                               | 0°    | ±2°    | 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>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                     | 10 | 12 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 12 | 12 | 11 | 11 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|                                                 | C   | 10                     | 12 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 11 | 12 | 12 | 11 | 11 | 12     | 11 | 12 | 11 | 12 | 11 | 12 |
|                                                 | B   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 10 | 12 | 11 | 11 | 12 | 12     | 12 | 12 | 11 | 12 | 11 | 12 |
|                                                 | A   | 11                     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11     | 11 | 12 | 12 | 11 | 11 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |

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

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

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X87<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 4 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 6  | 6      | 6  | 6  | 6  | 6  | 7  |
|                                                     | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | -  | -  | 4      | -  | -  | 2  | -  | 6  | 6      | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | -  | -  | 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 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A4              | scale | 2:1            |        |     |           |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng         | Andy Lu        | 2012/03/08 |                                   |                           | ecn no         | ELX-DG-010531-1 |       |                |        |     |           |
| ASME Y14.5    |                                       |       |        | chr         | Thian-Zhao Lin | 2012/03/12 |                                   |                           |                |                 |       |                |        |     |           |
|               |                                       |       |        | appr        | Pei-Ming Zheng | 2012/03/12 |                                   |                           |                |                 |       | product family | METRAL |     | rel level |
| surface       | 3.200 linear                          | 0.X   | ±0.3   |             | title          |            |                                   |                           |                | dwg no          |       | 89075          |        | rev | CE        |
|               |                                       | 0.XX  | ±0.13  |             |                |            |                                   |                           |                |                 |       |                |        |     |           |
|               |                                       | 0.XXX | ±0.051 |             |                |            |                                   |                           |                |                 |       |                |        |     |           |
| ASME Y14.5    | angular                               | 0°    | ±2°    | www.fci.com | cat. no.       |            | Product - Customer Drw            |                           | sheet 11 of 15 |                 |       |                |        |     |           |



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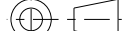
| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                     |     | 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                                                                                              |                                       | *     |        | 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<br>Released |     |
| surface<br>3.2<br> | 200 linear                            | 0.X   | ±0.3   |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |                                                                                                     |                                                                                             | dwg no<br>89075        | rev<br>CE       |                       |     |
|                                                                                                       |                                       | 0.XX  | ±0.13  |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |                        |                 |                       |     |
|                                                                                                       |                                       | 0.XXX | ±0.051 |                                                                                     |                                                         |            |                                                                                                     |                                                                                             |                        |                 |                       |     |
| ASME Y14.5                                                                                            | angular                               | 0°    | ±2°    | www.fci.com                                                                         | cat. no.                                                |            | -                                                                                                   |                                                                                             | Product - Customer Drw |                 | sheet 12 of 15        |     |



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

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

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

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

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

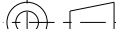
| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|---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

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

| METRAL<br>P/N                                        | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|------------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                      |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X108<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 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                                                                          | product family |                                                |                                                                                                     |                                                                                             | METRAL | rel level       |       | Released |    |
| surface                               | 3.200 linear | 0.X        | ±0.3           |  | title          | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |                                                                                                     |                                                                                             | 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 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 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |              |  |            |  | eng         |  | Andy Lu        |  | 2012/03/08 |  |                        |  |        |  | ecn no         |  | ELX-DG-010531-1 |  |    |  |       |  |
| ASME Y14.5    |  |                                       |  |              |  |            |  | chr         |  | Thian-Zhao Lin |  | 2012/03/12 |  |                        |  |        |  | rel level      |  | Released        |  |    |  |       |  |
|               |  |                                       |  |              |  |            |  | appr        |  | Pei-Ming Zheng |  | 2012/03/12 |  | product family         |  |        |  | METRAL         |  |                 |  |    |  |       |  |
| surface       |  | 3.200 linear                          |  |              |  | title      |  |             |  |                |  |            |  | METRAL SIGNAL HEADER   |  | dwg no |  | 89075          |  | rev             |  | CE |  |       |  |
|               |  | 0.X                                   |  |              |  |            |  |             |  |                |  |            |  |                        |  |        |  |                |  |                 |  |    |  | ±0.3  |  |
|               |  | 0.XX                                  |  |              |  |            |  |             |  |                |  |            |  |                        |  |        |  |                |  |                 |  |    |  | ±0.13 |  |
|               |  | 0.XXX                                 |  | ±0.051       |  |            |  |             |  |                |  |            |  |                        |  |        |  |                |  |                 |  |    |  |       |  |
| ASME Y14.5    |  | angular                               |  | 0°           |  | ±2°        |  | www.fci.com |  | cat. no.       |  | -          |  | Product - Customer Drw |  |        |  | sheet 14 of 15 |  |                 |  |    |  |       |  |



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

- NOTES:
- FOR DIM A AND B SEE SHEET 2 AND UP.
  - BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
  - PIN MATERIAL:  
PHOSPHOR BRONZE.
  - PLATING ON PRESS-FIT TAIL:  
89075-XY Y IS SnPb  
89075-XY Y L F IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
  - PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
  - ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXP OR XXXXX-XXXXP,  
XXXXX-XXXPLF OR XXXXX-XXXXPLF
  - PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
  - A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
  - AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
  - THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A 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 Huang   | 2010/07/08                                                                          | projection<br> |  | 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<br>Released |                |           |
| surface       |  |  | linear | 0.X                                   | ±0.3           |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT                                             |                                                                                       | dwg no | 89075                 |                | rev<br>CE |
|               |  |                                                                                     |        | 0.XX                                  | ±0.13          |                                                                                     |                                                                                                     |                                                                                       |        |                       |                |           |
|               |  |                                                                                     |        | 0.XXX                                 | ±0.051         |                                                                                     |                                                                                                     |                                                                                       |        |                       |                |           |
| ASME Y14.5    |  | angular                                                                             | 0°     | ±2°                                   | www.fci.com    | cat. no.                                                                            | -                                                                                                   | Product - Customer Drw                                                                |        |                       | sheet 15 of 15 |           |