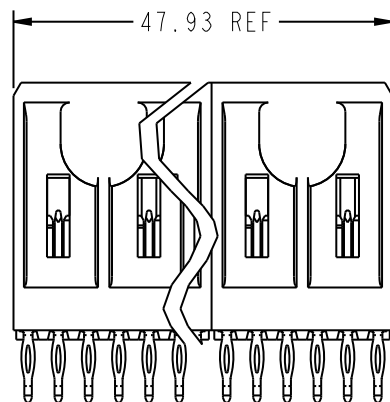
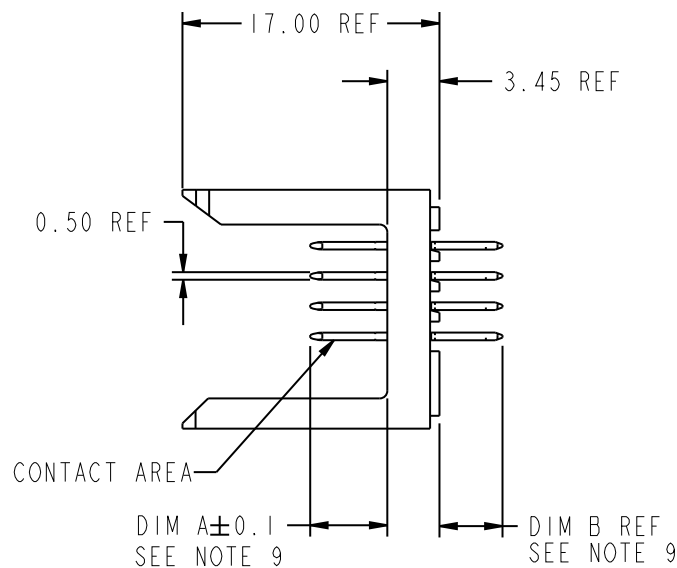
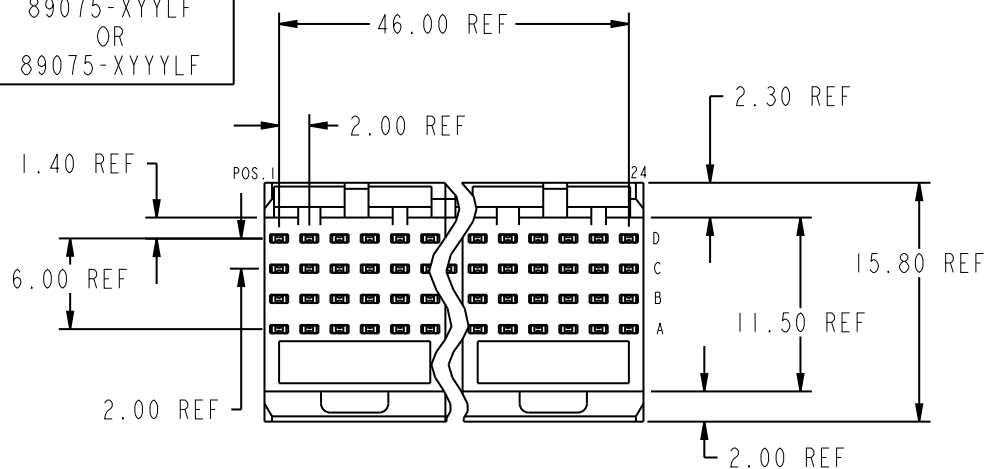
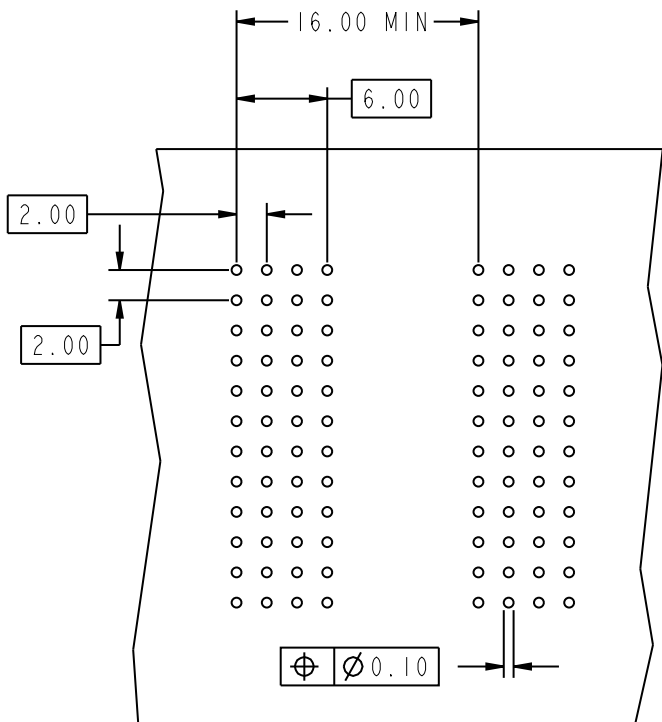




PRODUCT NUMBER  
89075-XYX  
OR  
89075-XYXX  
89075-XYXLF  
OR  
89075-XYXXLF



| mat'l code  |           |          |            | --     |                      |    |    | tolerances unless otherwise specified                                                 |                                                                                       |       |                                                | CUSTOMER       |    |    |    |  www.fciconnect.com |    |    |    |       |  |  |  |
|-------------|-----------|----------|------------|--------|----------------------|----|----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|------------------------------------------------|----------------|----|----|----|----------------------------------------------------------------------------------------------------------|----|----|----|-------|--|--|--|
| lfr         | ecn no.   | dr       | date       | linear | 0.X ±0.3             |    |    | projection                                                                            |  | title | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |                |    |    |    |                                                                                                          |    |    |    |       |  |  |  |
| CB          | V06-0573  | DCH      | 2006-06-14 |        | 0.XX ±0.13           |    |    |                                                                                       |                                                                                       |       |                                                |                |    |    |    |                                                                                                          |    |    |    |       |  |  |  |
| CC          | DG07-0487 | Cen      | 12/05/07   |        | .XXX ±.051           |    |    |                                                                                       |                                                                                       |       |                                                |                |    |    |    |                                                                                                          |    |    |    |       |  |  |  |
| CD          | DG09-0256 | TER      | 2009-08-19 |        | 0° ±2°               |    |    |                                                                                       |                                                                                       |       |                                                |                |    |    |    |                                                                                                          |    |    |    |       |  |  |  |
|             |           |          |            | angles |                      |    |    |                                                                                       |                                                                                       |       |                                                |                |    |    |    |                                                                                                          |    |    |    |       |  |  |  |
|             |           |          |            | dr     | T. BRUNGARD 11/19/99 |    |    |  |                                                                                       |       |                                                | product family |    |    |    | code                                                                                                     |    |    |    |       |  |  |  |
|             |           |          |            | enrg   | M. STRAWSER 11/19/99 |    |    |                                                                                       |                                                                                       |       |                                                | METRAL         |    |    |    | 213                                                                                                      |    |    |    |       |  |  |  |
|             |           |          |            | chr    | M. STRAWSER 11/19/99 |    |    | scale                                                                                 |                                                                                       |       |                                                | size           |    |    |    | dwg no                                                                                                   |    |    |    | sheet |  |  |  |
|             |           |          |            | appd   | M. STRAWSER 02/29/00 |    |    |                                                                                       |                                                                                       |       |                                                |                |    |    |    |                                                                                                          |    |    |    |       |  |  |  |
| sheet index |           | revision |            | CD     | CD                   | CD | CD | CD                                                                                    | CD                                                                                    | CD    | CD                                             | CD             | CD | CD | CD | CD                                                                                                       | CD | CD | CD |       |  |  |  |
|             |           | sheet    |            | 1      | 2                    | 3  | 4  | 5                                                                                     | 6                                                                                     | 7     | 8                                              | 9              | 10 | 11 | 12 | 13                                                                                                       | 14 | 15 |    |       |  |  |  |



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

| KEY  |                 |                 |
|------|-----------------|-----------------|
| CODE | DIMENSIONS      |                 |
|      | DIM "A"<br>MATE | DIM "B"<br>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           |

|             |                |    |      |                                          |                      |                                               |                                                                            |                                                                                                                      |  |                               |  |  |
|-------------|----------------|----|------|------------------------------------------|----------------------|-----------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|--|
| mat'l code  |                |    |      | tolerances unless<br>otherwise specified |                      | CUSTOMER                                      |                                                                            | <div>FCI</div> <div>www.fciconnect.com</div>                                                                         |  |                               |  |  |
| lfr         | ecn no.        | dr | date | linear                                   | 0.X ±0.3             | COPY                                          |                                                                            | <div>projection</div> <div></div> <div>title</div> <div>METRAL SIGNAL HEADER</div> <div>4 MOD, 4 ROW PRESS-FIT</div> |  |                               |  |  |
| CD          |                |    |      |                                          | 0.XX ±0.13           | <div>MM</div> <div>scale</div> <div>2:1</div> | <div>product family</div> <div>METRAL</div> <div>code</div> <div>213</div> |                                                                                                                      |  |                               |  |  |
|             |                |    |      |                                          | .XXX ±.051           |                                               |                                                                            |                                                                                                                      |  |                               |  |  |
|             |                |    |      | angles                                   | 0° ±2°               |                                               |                                                                            | <div>size</div> <div>dwg no</div> <div>89075</div>                                                                   |  | <div>sheet</div> <div>2</div> |  |  |
|             |                |    |      | dr                                       | T. BRUNGARD 11/19/99 |                                               |                                                                            |                                                                                                                      |  |                               |  |  |
|             |                |    |      | enrg                                     | M. STRAWSER 11/19/99 |                                               |                                                                            |                                                                                                                      |  |                               |  |  |
|             |                |    |      | chr                                      | M. STRAWSER 11/19/99 |                                               |                                                                            |                                                                                                                      |  |                               |  |  |
|             |                |    |      | appd                                     | M. STRAWSER 02/29/00 |                                               |                                                                            |                                                                                                                      |  |                               |  |  |
| sheet index | revision sheet |    |      |                                          |                      |                                               |                                                                            |                                                                                                                      |  |                               |  |  |

cage code 22526

Pro/E

PDM: Rev:CD

STATUS: Released

Printed: Sep 16, 2009



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

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

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

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

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X08<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |
|                                                     | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |
|                                                     | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3  |
|                                                     | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 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-X09<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>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  |

|            |          |    |      |        |                      |                                          |  |                      |  |                           |  |
|------------|----------|----|------|--------|----------------------|------------------------------------------|--|----------------------|--|---------------------------|--|
| mat'l code |          |    |      | --     |                      | tolerances unless<br>otherwise specified |  | CUSTOMER             |  | FCI<br>www.fciconnect.com |  |
| lfr        | ecn no.  | dr | date | linear | 0.X ±0.3             | projection                               |  | COPY                 |  | title                     |  |
| CD         |          |    |      | linear | 0.XX ±0.13           | MM                                       |  | METRAL SIGNAL HEADER |  | 4 MOD, 4 ROW PRESS-FIT    |  |
|            |          |    |      | angles | .XXX ±.051           | MM                                       |  | product family       |  | METRAL                    |  |
|            |          |    |      | dr     | 0° ±2°               | scale                                    |  | size                 |  | sheet                     |  |
|            |          |    |      | enrg   | T. BRUNGARD 11/19/99 | 1:1                                      |  | 89075                |  | 213                       |  |
|            |          |    |      | chr    | M. STRAWSER 11/19/99 |                                          |  | A                    |  | 3                         |  |
|            |          |    |      | appd   | M. STRAWSER 02/29/00 |                                          |  |                      |  |                           |  |
| sheet      | revision |    |      |        |                      |                                          |  |                      |  |                           |  |



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

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

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

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

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

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X16<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 4  | 2  | 4  | 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  | 1  | 1  | 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-X17<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|                                                 | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|                                                 | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |
|                                                 | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 8  | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  |

| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X18<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 4 | 2 | 2 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3  |
|                                                     | C   | 4                      | 3 | 4 | 2 | 2 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3  |
|                                                     | B   | 4                      | 3 | 4 | 2 | 2 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3  |
|                                                     | A   | 4                      | 3 | 4 | 1 | 4 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 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-X19<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                 | C   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                 | B   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 4  | 4  | 4  | 4  | 4  | 4  |
|                                                 | A   | 4                      | 3 | 4 | 2 | 2 | 2      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 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-X20<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 4 | 2 | 2 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                 | C   | 4                      | 3 | 4 | 2 | 2 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                 | B   | 4                      | 3 | 4 | 2 | 2 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                 | A   | 4                      | 3 | 4 | 1 | 4 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 2  | 2  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |

|            |         |    |      |        |                      |                                          |            |          |  |                           |                                                         |               |
|------------|---------|----|------|--------|----------------------|------------------------------------------|------------|----------|--|---------------------------|---------------------------------------------------------|---------------|
| mat'l code |         |    |      | --     |                      | tolerances unless<br>otherwise specified |            | CUSTOMER |  | FCi<br>www.fciconnect.com |                                                         |               |
| lfr        | ecn no. | dr | date | linear | 0.X ±0.3             |                                          | COPY       |          |  |                           | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |               |
| CD         |         |    |      |        | 0.XX ±0.13           |                                          | projection |          |  |                           |                                                         |               |
|            |         |    |      |        | .XXX ±.051           |                                          |            |          |  |                           |                                                         |               |
|            |         |    |      | angles | 0° ±°                |                                          |            |          |  |                           |                                                         |               |
|            |         |    |      | dr     | T. BRUNGARD 11/19/99 |                                          |            |          |  |                           | product family<br>METRAL                                |               |
|            |         |    |      | enrg   | M. STRAWSER 11/19/99 |                                          |            |          |  |                           |                                                         | size<br>89075 |
|            |         |    |      | chr    |                      |                                          |            |          |  |                           |                                                         |               |



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

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

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X23<br>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>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>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 2  | 2  | 2  | 2      | 2  | 1  | 1  | 3  | 2  | 2  |
|                                                 | C   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 2  | 2  | 2  | 2      | 2  | 1  | 1  | 3  | 2  | 2  |
|                                                 | B   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 2  | 2  | 2  | 2      | 2  | 1  | 1  | 3  | 2  | 2  |
|                                                 | A   | 2                      | 2 | 2 | 1 | 1 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 2  | 2  | 2  | 2      | 2  | 1  | 1  | 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-X26<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 3 | 2 | 2 | 2      | 2 | 1 | 1 | 1  | 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-X27<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                 | C   | 2                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                 | B   | 2                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                 | A   | 2                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 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-X28<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 1  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 1  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 1  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 1  | 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-X29<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 2      | 2  | 2  | 3  | 3  | 2  | 3  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 2      | 2  | 2  | 3  | 3  | 2  | 3  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 2      | 2  | 2  | 3  | 3  | 2  | 3  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 2  | 2      | 2  | 2  | 3  | 3  | 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-X30<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  |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 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  | 3  | 3  | 3  | -      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | -      | 3 | 4 | 4 | 4  | 4  | 4      | 3  | 4  | 3  | 3  | 3  | 3      | -  | 3  | 3  | 3  | 3  | 3  |

|            |         |    |      |                                          |                      |  |  |          |              |  |  |                           |                                                         |  |  |  |
|------------|---------|----|------|------------------------------------------|----------------------|--|--|----------|--------------|--|--|---------------------------|---------------------------------------------------------|--|--|--|
| mat'l code |         |    |      | tolerances unless<br>otherwise specified |                      |  |  | CUSTOMER |              |  |  | FCI<br>www.fciconnect.com |                                                         |  |  |  |
| lfr        | ecn no. | dr | date | linear                                   | 0.X $\pm 0.3$        |  |  |          | COPY         |  |  |                           | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |  |  |
| CD         |         |    |      |                                          | 0.XX $\pm 0.13$      |  |  |          | projection   |  |  |                           |                                                         |  |  |  |
|            |         |    |      |                                          | .XXX $\pm 0.051$     |  |  |          |              |  |  |                           |                                                         |  |  |  |
|            |         |    |      | angles                                   | 0° $\pm 2^\circ$     |  |  |          |              |  |  |                           | product family<br>METRAL<br>code<br>213<br>sheet<br>5   |  |  |  |
|            |         |    |      | dr                                       | T. BRUNGARD 11/19/99 |  |  |          | MM           |  |  |                           |                                                         |  |  |  |
|            |         |    |      | enrg                                     | M. STRAWSER 11/19/99 |  |  |          |              |  |  |                           |                                                         |  |  |  |
|            |         |    |      | chr                                      | M. STRAWSER 11/19/99 |  |  |          | scale<br>1:1 |  |  |                           | size<br>A<br>89075                                      |  |  |  |
|            |         |    |      | appd                                     | M. STRAWSER 02/29/00 |  |  |          |              |  |  |                           |                                                         |  |  |  |



| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 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 | 4 | 2 | 2      | 4 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | C   | 4                      | 3 | 4 | 4 | 2 | 2      | 2 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | B   | 4                      | 3 | 4 | 4 | 2 | 2      | 2 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                     | A   | 4                      | 3 | 4 | 4 | 2 | 2      | 2 | 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>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  | 1  | 2  | 2  | 2  | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 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  | 1  | 2  | 2  | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 1  | 1  | 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-X33<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  | 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  | 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-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  | 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  | 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-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  | 2  | 1  | 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>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  | 6  |
|                                                     | 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  | 4  | 3  |
|                                                     | C   | 4                      | 4 | 4 | 4 | 4 | 4 | 2      | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 3  |
|                                                     | B   | 4                      | 4 | 4 | 4 | 4 | 4 | 2      | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 3  |
|                                                     | A   | 4                      | 4 | 4 | 4 | 4 | 4 | 2      | 2 | 4 | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 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  |

|             |          |       |      |                                       |                      |  |  |                |  |                                                |  |
|-------------|----------|-------|------|---------------------------------------|----------------------|--|--|----------------|--|------------------------------------------------|--|
| mat'l code  |          |       |      | tolerances unless otherwise specified |                      |  |  | CUSTOMER       |  | FCJ<br>www.fcjconnect.com                      |  |
| lfr         | ecn no.  | dr    | date | linear                                | 0.X ±0.3             |  |  | COPY           |  |                                                |  |
| CD          |          |       |      |                                       | 0.XX ±0.13           |  |  | projection     |  |                                                |  |
|             |          |       |      |                                       | .XXX ±.051           |  |  |                |  |                                                |  |
|             |          |       |      | angles                                | 0° ±°                |  |  |                |  | title                                          |  |
|             |          |       |      | dr                                    | T. BRUNGARD 11/19/99 |  |  |                |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |
|             |          |       |      | engr                                  | M. STRAWSER 11/19/99 |  |  | product family |  | METRAL                                         |  |
|             |          |       |      | chr                                   | M. STRAWSER 11/19/99 |  |  | size           |  | dwg no                                         |  |
|             |          |       |      | appd                                  | M. STRAWSER 02/29/00 |  |  | A              |  | 89075                                          |  |
| sheet index | revision | sheet |      |                                       |                      |  |  |                |  |                                                |  |

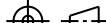
| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X41<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 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 |
| 89075-X42<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |
|                                                     | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |
|                                                     | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 6  | 8  | 3      | 2  | 3  | 2  | 4  | 4  |

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

[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-X45<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 8 |
|                                                     | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 8 |
|                                                     | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 8 |
|                                                     | A   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 8 |

|             |         |                |      |        |                  |  |          |                                       |                                                                                       |  |                                                                                       |                                                         |        |                                                                                                             |         |  |  |
|-------------|---------|----------------|------|--------|------------------|--|----------|---------------------------------------|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------|---------|--|--|
| mat'l code  |         |                |      | --     |                  |  |          | tolerances unless otherwise specified |                                                                                       |  |                                                                                       | CUSTOMER                                                |        | <br>www.fciconnect.com |         |  |  |
| lfr         | ecn no. | dr             | date | linear | 0. X $\pm$ 0.3   |  |          |                                       | COPY                                                                                  |  |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |        |                                                                                                             |         |  |  |
| CD          |         |                |      |        | 0. XX $\pm$ 0.13 |  |          |                                       | projection                                                                            |  |                                                                                       |                                                         |        |                                                                                                             |         |  |  |
|             |         |                |      |        | .XXX $\pm$ .051  |  |          |                                       |                                                                                       |  |                                                                                       |                                                         |        |                                                                                                             |         |  |  |
|             |         |                |      | angles | 0° $\pm$ 2°      |  |          |                                       |  |  | product family<br>METRAL                                                              |                                                         |        |                                                                                                             |         |  |  |
|             |         |                |      | dr     | T. BRUNGARD      |  | 11/19/99 |                                       |                                                                                       |  |                                                                                       |                                                         |        |                                                                                                             |         |  |  |
|             |         |                |      | enrg   | M. STRAWSER      |  | 11/19/99 |                                       |                                                                                       |  |                                                                                       |                                                         |        |                                                                                                             |         |  |  |
|             |         |                |      | chr    | M. STRAWSER      |  | 11/19/99 |                                       | scale                                                                                 |  | size                                                                                  |                                                         | dwg no |                                                                                                             | 213     |  |  |
|             |         |                |      | appd   | M. STRAWSER      |  | 02/29/00 |                                       |                                                                                       |  | A                                                                                     |                                                         | 89075  |                                                                                                             | sheet 7 |  |  |
| sheet index |         | revision sheet |      |        |                  |  |          |                                       |                                                                                       |  |                                                                                       |                                                         |        |                                                                                                             |         |  |  |

[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<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2  | 2 | 2  | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 13 | 2 | 13 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2  | 2 | 2  | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2  | 2 | 2  | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |

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

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



| METRAL<br>P/N                                       | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-----------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                     |     | 1                      | 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>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  | 7  | 7  | 7  | 7  | 7  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 7  | 7  | 7  | 7  | 7  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 7  | 7  | 7  | 7  | 7  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 7  | 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>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>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>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      | 3  | 3  | 3  | 3  | 3  | 3  | 1  | 1  |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 19 |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 19 |
|                                                 | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 19 |

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

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

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

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X59<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  | 1  |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 1  | 2  | 2  | 3  | 1  |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 4 | 3  | 3  | 3      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 3  | 1  |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 4 | 3  | 3  | 3      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 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-X60<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                     | C   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                     | B   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 3  | 2  | 2  | 2  |
|                                                     | A   | 2                      | 2 | 2 | 3 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 4      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 1  | 3  | 2  | 2  | 2  |

|            |         |    |      |                                       |                      |  |  |                |  |                                                                |            |              |
|------------|---------|----|------|---------------------------------------|----------------------|--|--|----------------|--|----------------------------------------------------------------|------------|--------------|
| mat'l code |         |    |      | tolerances unless otherwise specified |                      |  |  | CUSTOMER       |  | FCI<br>www.fciconnect.com                                      |            |              |
| lfr        | ecn no. | dr | date | linear                                | 0.X ±0.3             |  |  | COPY           |  |                                                                |            |              |
| CD         |         |    |      |                                       | 0.XX ±0.13           |  |  | projection     |  |                                                                |            |              |
|            |         |    |      |                                       | .XXX ±.051           |  |  |                |  |                                                                |            |              |
|            |         |    |      | angles                                | 0° ±°                |  |  |                |  | <b>title</b><br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |            |              |
|            |         |    |      | dr                                    | T. BRUNGARD 11/19/99 |  |  | product family |  |                                                                |            | code         |
|            |         |    |      | enrg                                  | M. STRAWSER 11/19/99 |  |  | size           |  |                                                                |            | dwg no       |
|            |         |    |      | chr                                   | M. STRAWSER 11/19/99 |  |  |                |  |                                                                |            | <b>89075</b> |
|            |         |    |      | appd                                  | M. STRAWSER 02/29/00 |  |  | scale          |  | <b>1:1</b>                                                     | <b>213</b> |              |



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

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-X66<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 2  | 3  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 2  | 3  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 2  | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 3      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 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-X67<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 1 | 2 | 1 | 2  | 3  | 2      | 3  | 2  | 1  | 3  | 2  | 2      | 3  | 3  | 2  | 3  | 3  | 3  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 1 | 2 | 1 | 2  | 3  | 3      | 3  | 2  | 1  | 3  | 2  | 2      | 3  | 3  | 2  | 3  | 3  | 3  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 1 | 2 | 1 | 2  | 3  | 3      | 3  | 2  | 1  | 3  | 2  | 2      | 3  | 3  | 2  | 3  | 3  | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 1 | 2 | 1 | 2  | 2  | 3      | 2  | 1  | 3  | 2  | 2  | 3      | 3  | 2  | 3  | 3  | 3  | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X68<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  | 2  | 4  | 1  | 1  | 3  |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 2  | 4  | 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  | 1  |
|                                                 | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X69<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  | 2  | 4  | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 2  | 4  | 3  | 3  | 3  |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 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-X70<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  | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4  |

|             |         |                |      |        |                      |                                          |            |          |                                                 |                           |  |
|-------------|---------|----------------|------|--------|----------------------|------------------------------------------|------------|----------|-------------------------------------------------|---------------------------|--|
| mat'l code  |         |                |      | --     |                      | tolerances unless<br>otherwise specified |            | CUSTOMER |                                                 | FCI<br>www.fciconnect.com |  |
| lfr         | ecn no. | dr             | date | linear | 0.X ±0.3             |                                          | COPY       |          |                                                 |                           |  |
| CD          |         |                |      |        | 0.XX ±0.13           |                                          | projection |          |                                                 |                           |  |
|             |         |                |      |        | .XXX ±.051           |                                          |            |          |                                                 |                           |  |
|             |         |                |      | angles | 0° ±°                |                                          |            |          |                                                 |                           |  |
|             |         |                |      | dr     | T. BRUNGARD 11/19/99 |                                          |            |          |                                                 |                           |  |
|             |         |                |      | enrg   | M. STRAWER 11/19/99  |                                          |            |          |                                                 |                           |  |
|             |         |                |      | chr    | M. STRAWER 11/19/99  |                                          |            |          | product family METRAL<br>size dwg no 89075<br>A |                           |  |
|             |         |                |      | appd   | M. STRAWER 02/29/00  |                                          |            |          |                                                 |                           |  |
|             |         |                |      |        |                      |                                          |            |          |                                                 |                           |  |
| sheet index |         | revision sheet |      |        |                      |                                          |            |          |                                                 |                           |  |



| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 4 |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|--------|----|----|----|----|----|--------|----|----|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12     | 13 | 14 | 15 | 16 | 17 | 18     | 19 | 20 | 21 | 22 | 23 |
| 89075-X71<br>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      | 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      | 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      | 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      | 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>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      | 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  | 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  | 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-X74<br><br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                     | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 6  | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |

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

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

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

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

|            |         |    |      |        |                      |                                          |            |          |                                                                 |                           |  |
|------------|---------|----|------|--------|----------------------|------------------------------------------|------------|----------|-----------------------------------------------------------------|---------------------------|--|
| mat'l code |         |    |      | --     |                      | tolerances unless<br>otherwise specified |            | CUSTOMER |                                                                 | FCI<br>www.fciconnect.com |  |
| lfr        | ecn no. | dr | date | linear | 0.X ±0.3             |                                          | COPY       |          |                                                                 |                           |  |
| CD         |         |    |      |        | 0.XX ±0.13           |                                          | projection |          |                                                                 |                           |  |
|            |         |    |      |        | .XXX ±.051           |                                          |            |          |                                                                 |                           |  |
|            |         |    |      | angles | 0° ±°                |                                          |            |          |                                                                 |                           |  |
|            |         |    |      | dr     | T. BRUNGARD 11/19/99 |                                          |            |          |                                                                 |                           |  |
|            |         |    |      | enrg   | M. STRAWSER 11/19/99 |                                          |            |          |                                                                 |                           |  |
|            |         |    |      | chr    | M. STRAWSER 11/19/99 |                                          |            |          | product family METRAL code<br>size dwg no 89075 213<br>sheet 10 |                           |  |
|            |         |    |      | appd   | M. STRAWSER 02/29/00 |                                          |            |          |                                                                 |                           |  |
|            |         |    |      | </     |                      |                                          |            |          |                                                                 |                           |  |

[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 |   |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | 89075-X82 | D   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 3 |   |    |    |    |        | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3 |
|                                    |           | C   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 3 |   |    |    |    |        | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3 |
|                                    |           | B   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 3 |   |    |    |    |        | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 3 |
|                                    |           | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 3 |   |    |    |    |        | 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-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  | 3  | 4  | 4  | 3  | 3      | 4  | 3  | 4  | 3  | 4  | 4  |
|                                                     | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 2  | 4  | 3  | 3  | 4  | 4      | 4  | 4  | 3  | 4  | 3  | 4  |
|                                                     | A   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 3      | 3  | 4  | 4  | 3  | 3  | 4      | 4  | 4  | 4  | 4  | 4  | 4  |

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

[illegible]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-X86<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 1 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 1 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 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-X87<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | -  | -      | 4  | -  | -  | 2  | -  | 6      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | -      | -  | 4  | -  | -  | 2  | -      | 6  | 6  | 6  | 6  | 6  | 6  |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | -      | -  | 4  | -  | -  | 2  | -      | 8  | 8  | 8  | 6  | 6  | 6  |
|                                                 | A   | 5                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | -      | -  | 4  | -  | -  | 2  | -      | 6  | 6  | 6  | 6  | 6  | 6  |

[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-X90<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  |

[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 |
| 89075-X91<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 | 4 | 2  | 2      | 4  | 2  | 2  | 4  | 2      | 2  | 2  | 2  | 4  | 2  | 2  |    |    |
|                                                     | C | 2   | 4                      | 2 | 2 | 4 | 2 | 2      | 4 | 2 | 4 | 2  | 2      | 4  | 2  | 2  | 4  | 2      | 2  | 2  | 4  | 2  | 2  | 4  | 4  |    |
|                                                     | B | 2   | 4                      | 2 | 2 | 4 | 2 | 2      | 4 | 2 | 4 | 2  | 2      | 4  | 2  | 2  | 4  | 2      | 2  | 2  | 4  | 2  | 2  | 4  | 4  |    |
|                                                     | A | 2   | 4                      | 2 | 2 | 4 | 2 | 2      | 4 | 2 | 4 | 2  | 2      | 4  | 2  | 2  | 4  | 2      | 2  | 2  | 4  | 4  | 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 | 4 | 2 | 2      | 4 | 4 | 4 | 4  | 2  | 2      | 4  | 2  | 2  | 4  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 4  |
|                                                     | C   | 2                      | 2 | 4 | 4 | 4 | 4      | 2 | 2 | 4 | 2  | 2  | 4      | 2  | 2  | 4  | 2  | 2  | 2      | 2  | 2  | 2  | 4  | 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      | 4 | 2 | 2 | 4  | 2  | 2      | 4  | 2  | 2  | 4  | 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>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 |
| 89075-X95<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  |

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

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

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

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

|            |          |    |      |        |                      |                                          |  |            |  |                                                |  |
|------------|----------|----|------|--------|----------------------|------------------------------------------|--|------------|--|------------------------------------------------|--|
| mat'l code |          |    |      | --     |                      | tolerances unless<br>otherwise specified |  | CUSTOMER   |  | FCJ<br>www.fcjconnect.com                      |  |
| lfr        | ecn no.  | dr | date | linear | 0.X ±0.3             | COPY                                     |  | projection |  | title                                          |  |
| CD         |          |    |      |        | 0.XX ±0.13           |                                          |  |            |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |
|            |          |    |      | angles | .XXX ±.051           |                                          |  |            |  | product family                                 |  |
|            |          |    |      | dr     | 0° ±2°               |                                          |  | MM         |  | METRAL                                         |  |
|            |          |    |      | enrg   | T. BRUNGARD 11/19/99 |                                          |  | scale      |  | code                                           |  |
|            |          |    |      | chr    | M. STRAWSER 11/19/99 |                                          |  | 1:1        |  | 213                                            |  |
|            |          |    |      | appd   | M. STRAWSER 02/29/00 |                                          |  |            |  | sheet                                          |  |
| sheet      | revision |    |      |        |                      |                                          |  |            |  | 12                                             |  |
| index      | sheet    |    |      |        |                      |                                          |  |            |  |                                                |  |



| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    | MOD. 3 |    |    |    |    |    | MOD. 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-X101<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 3  | 3  | 2  | 4  | 4  |
|                                                  | C   | 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      | 3  | 3  | 2  | 4  | 4  |
|                                                  | A   | 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>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  | 1  | 2  |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X103<br>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      | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                  | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 4  | 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-X104<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                  | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 19 | 1  | 2      | 2  | 2  | 2  | 1  | 2  | 2      | 2  | 2  | 1  | 2  | 2  | 2  |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 19 | 1  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 1  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X105<br>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>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>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 |
| 89075-X108<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 3  | 3  | 2  | 3  | 3  |
|                                                  | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2      | 3  | 3  | 2  | 3  | 3  |
|                                                  | B   | 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      | 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 | 24 |
| 89075-X109<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                  | C   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                  | B   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|                                                  | A   | 3                      | 3 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 3      | 3  | 4  | 3  | 4  | 2      | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

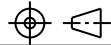
| METRAL<br>P/N                                    | ROW | MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|--------------------------------------------------|-----|--------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|                                                  |     | 1      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 89075-X110<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  | 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  | 7  |
|                                                  | B   | 7      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 8  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 8  | 7  | 7  | 7  |
|                                                  | A   | 7      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 8  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 8  | 7  | 7  | 7  |

|            |         |    |      |                                       |                      |  |  |              |  |  |  |                                                         |  |  |  |
|------------|---------|----|------|---------------------------------------|----------------------|--|--|--------------|--|--|--|---------------------------------------------------------|--|--|--|
| mat'l code |         |    |      | tolerances unless otherwise specified |                      |  |  | CUSTOMER     |  |  |  | FCJ<br>www.fcjconnect.com                               |  |  |  |
| lfr        | ecn no. | dr | date | linear                                | 0.X ±0.3             |  |  | COPY         |  |  |  | title<br>METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |  |  |
| CD         |         |    |      |                                       | 0.XX ±0.13           |  |  | projection   |  |  |  |                                                         |  |  |  |
|            |         |    |      |                                       | .XXX ±.051           |  |  |              |  |  |  |                                                         |  |  |  |
|            |         |    |      | angles                                | 0° ±2°               |  |  |              |  |  |  | product family<br>METRAL<br>code<br>213<br>sheet<br>13  |  |  |  |
|            |         |    |      | dr                                    | T. BRUNGARD 11/19/99 |  |  | MM           |  |  |  |                                                         |  |  |  |
|            |         |    |      | engr                                  | M. STRAWSER 11/19/99 |  |  |              |  |  |  |                                                         |  |  |  |
|            |         |    |      | chr                                   | M. STRAWSER 11/19/99 |  |  | scale<br>1:1 |  |  |  | size<br>A<br>89075                                      |  |  |  |
|            |         |    |      | appd                                  | M. STRAWSER 02/29/00 |  |  |              |  |  |  |                                                         |  |  |  |

This document is the property of and embodies  
CONFIDENTIAL and PROPRIETARY information of FCI.  
No part of the information shown on this  
document may be used in any way or disclosed  
to others without the written consent of FCI.  
Copyright FCI.



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

|            |          |    |      |        |             |                                          |                |          |                                                                                       |                                                                                                                                                  |       |        |  |      |
|------------|----------|----|------|--------|-------------|------------------------------------------|----------------|----------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|--|------|
| mat'l code |          |    |      | --     |             | tolerances unless<br>otherwise specified |                | CUSTOMER |                                                                                       |  <a href="http://www.fciconnect.com">www.fciconnect.com</a> |       |        |  |      |
| lfr        | ecn no.  | dr | date | linear |             |                                          | COPY           |          |  |                                                                                                                                                  |       |        |  |      |
| CD         |          |    |      |        |             |                                          | projection     |          |                                                                                       |                                                                                                                                                  |       |        |  |      |
|            |          |    |      |        |             |                                          |                |          |                                                                                       |                                                                                                                                                  |       |        |  |      |
|            |          |    |      | angles |             |                                          |                |          |  |                                                                                                                                                  |       |        |  |      |
|            |          |    |      | dr     | T. BRUNGARD | 11/19/99                                 | product family |          |                                                                                       |                                                                                                                                                  |       | METRAL |  | code |
|            |          |    |      | enrg   | M. STRAWSER | 11/19/99                                 | size           |          |                                                                                       |                                                                                                                                                  |       | dwg no |  | 213  |
|            |          |    |      | chr    | M. STRAWSER | 11/19/99                                 | scale          |          | A                                                                                     |                                                                                                                                                  | 89075 | sheet  |  |      |
|            |          |    |      | appd   | M. STRAWSER | 02/29/00                                 | 1:1            |          |                                                                                       |                                                                                                                                                  | 14    |        |  |      |
| sheet      | revision |    |      |        |             |                                          |                |          |                                                                                       |                                                                                                                                                  |       |        |  |      |
| index      | sheet    |    |      |        |             |                                          |                |          |                                                                                       |                                                                                                                                                  |       |        |  |      |

cage code 22526

Pro/E

PDM: Rev:CD

STATUS: Released

Printed: Sep 16, 2009



| PRODUCT NUMBER                  |
|---------------------------------|
| 89075-XYX<br>OR<br>89075-XXXX   |
| 89075-XYLX<br>OR<br>89075-XXXXX |

#### 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-XYX IS SnPb  
89075-XYLX 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-XXXXPLX OR XXXXX-XXXXPLX
  - 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 LX 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 "LX" SUFFIX.  
EXAMPLE: 89075-X0LX

#### PLATING IN CONTACT AREA

| DASH NUMBER         | PERFORMANCE LEVEL                 | NOTES       |
|---------------------|-----------------------------------|-------------|
| -AYX OR -AYXX       | TELCORDIA CO                      | SEE NOTE 8  |
| -N1XX OR -N1XXX     | TELCORDIA CO (NXT)                | -           |
| -1XX OR -1XXX       | TELCORDIA CO                      | -           |
| -2XX OR -2XXX       | TELECOM CLASS                     | -           |
| -3XX OR -3XXX       | IEC CLASS I                       | -           |
| -N5XX OR -N5XXX     | TELCORDIA UE (NXT)                | -           |
| -5XX OR -5XXX       | TELCORDIA UE                      | -           |
| -AYLX OR -AYXXLX    | TELCORDIA CO                      | SEE NOTE 10 |
| -N1XXLX OR -N1XXXLX | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -1XXLX OR -1XXXLX   | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2XXLX OR -2XXXLX   | TELECOM CLASS                     | SEE NOTE 10 |
| -N5XXLX OR -N5XXXLX | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -5XXLX OR -5XXXLX   | TELCORDIA UE                      | SEE NOTE 10 |

|             |                |    |      |                                          |                      |            |       |                                                              |  |
|-------------|----------------|----|------|------------------------------------------|----------------------|------------|-------|--------------------------------------------------------------|--|
| mat'l code  |                |    |      | tolerances unless<br>otherwise specified |                      | CUSTOMER   |       | FCI<br>www.fciconnect.com                                    |  |
| lfr         | ecn no.        | dr | date | linear                                   | 0.X ±0.3             | projection | COPY  | title METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT         |  |
| CD          |                |    |      |                                          | 0.XX ±0.13           |            |       |                                                              |  |
|             |                |    |      |                                          | .XXX ±.051           |            |       |                                                              |  |
|             |                |    |      | angles                                   | 0° ±2°               | MM         | scale | product family METRAL code 213<br>size dwg no 89075 sheet 15 |  |
|             |                |    |      | dr                                       | T. BRUNGARD 11/19/99 |            |       |                                                              |  |
|             |                |    |      | enrg                                     | M. STRAWSER 11/19/99 |            |       |                                                              |  |
|             |                |    |      | chr                                      | M. STRAWSER 11/19/99 | A          | 1:1   |                                                              |  |
|             |                |    |      | appd                                     | M. STRAWSER 02/29/00 |            |       |                                                              |  |
| sheet index | revision sheet |    |      |                                          |                      |            |       |                                                              |  |

cage code 22526

Pro/E

PDM: Rev:CD

STATUS: Released

Printed: Sep 16, 2009