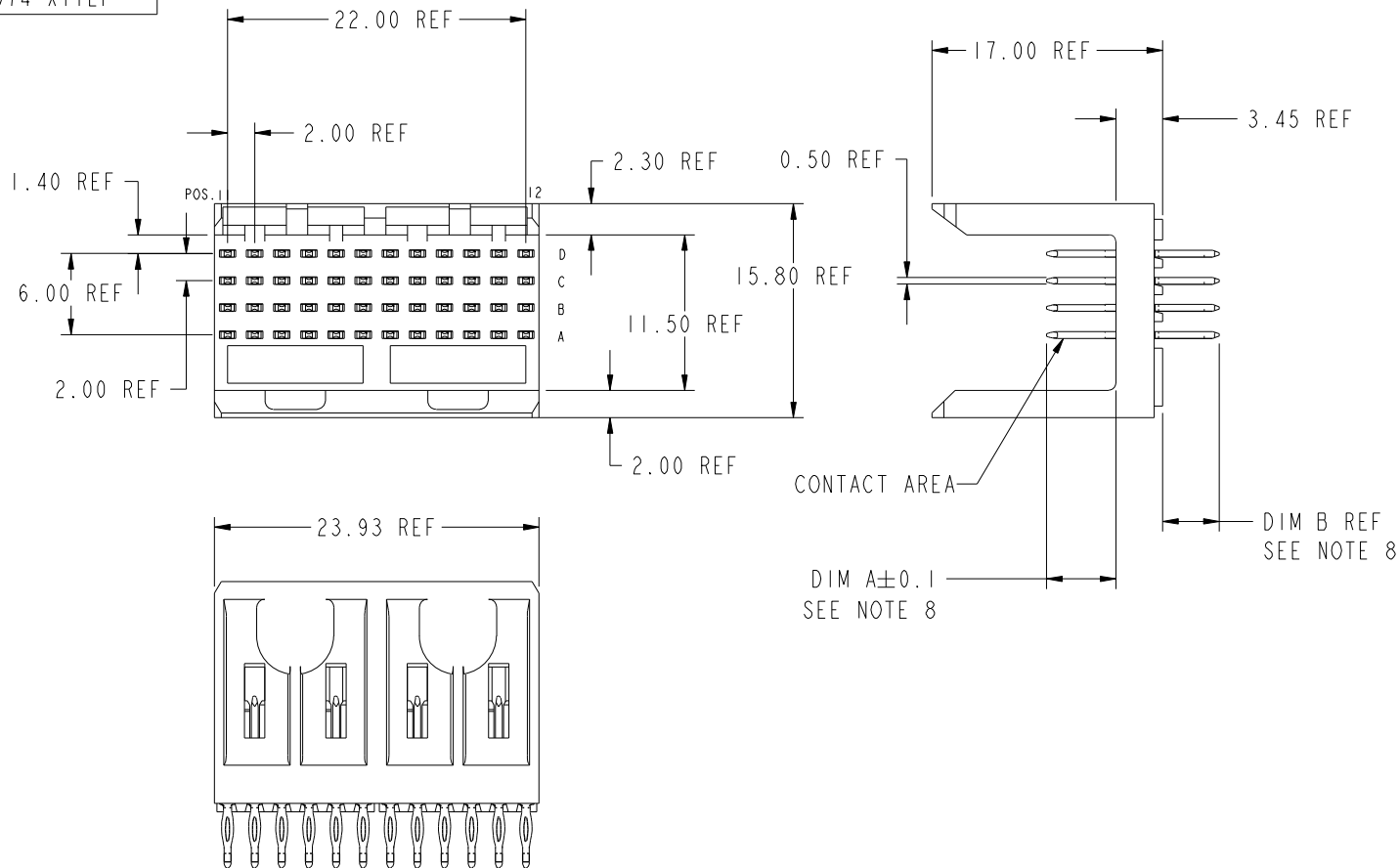




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| PRODUCT NUMBER |
|----------------|
| 89074-XXX      |
| 89074-XXYLF    |



| mat'l code  |           |     |            | - -    |                     | tolerances unless<br>otherwise specified |                                                                                       | CUSTOMER |                                                                                       |  |        | www.fciconnect.com |         |  |
|-------------|-----------|-----|------------|--------|---------------------|------------------------------------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|--------------------|---------|--|
| ltr         | ecr no.   | dr  | date       | linear | 0.X ± 0.3           |                                          | COPY                                                                                  |          |  | title<br>METRAL SIGNAL HEADER<br>2 MOD, 4 ROW PRESS-FIT                               |        |                    |         |  |
| BG          | V06-0573  | DCH | 2006-06-14 |        | 0.XX ± 0.13         |                                          | projection                                                                            |          |                                                                                       |                                                                                       |        |                    |         |  |
| BH          | DG10-0008 | TER | 2010-01-07 |        | .XXX ± .051         |                                          |                                                                                       |          |                                                                                       |                                                                                       |        |                    |         |  |
| BJ          | DG10-0214 | TER | 2010-06-07 | angles | 0° ± 2°             |                                          |                                                                                       |          |                                                                                       |                                                                                       |        |                    |         |  |
| -           | -         | -   | -          | dr     | T.BRUNGARD 11/19/99 |                                          |  |          | product family                                                                        |                                                                                       | METRAL |                    | code    |  |
| BD          | V03-1209  | HTB | 11/10/03   | enrg   | M.STRAWER 11/19/99  |                                          |                                                                                       |          | size                                                                                  |                                                                                       | dwg no |                    | 213     |  |
| BE          | V04-0795  | TAB | 08/16/04   | chr    | M.STRAWER 11/19/99  |                                          | scale                                                                                 |          |                                                                                       |                                                                                       |        |                    | sheet   |  |
| BF          | V05-0030  | DAI | 02/11/05   | appd   | M.STRAWER 02/29/00  |                                          | 2:1                                                                                   |          | A                                                                                     |                                                                                       | 89074  |                    | 1 of 10 |  |
| sheet index | revision  | BJ  | BJ         | BJ     | BJ                  | BJ                                       | BJ                                                                                    | BJ       | BJ                                                                                    | BJ                                                                                    |        |                    |         |  |
|             | sheet     | 1   | 2          | 3      | 4                   | 5                                        | 6                                                                                     | 7        | 8                                                                                     | 9                                                                                     | 10     |                    |         |  |

cage code 22526

Pro/E

PDM: Rev:BJ

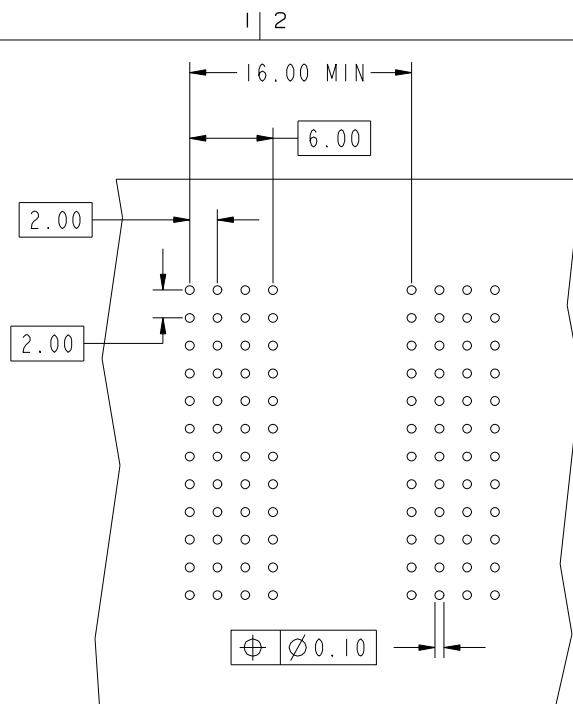
STATUS:Released

Printed: Jun 10, 2010



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REV E - 2006-04-18



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           |
| 19   | 8.00            | 4.30            |

| mat'l code |          |    |      | tolerances unless<br>otherwise specified |                     | CUSTOMER   | FCI                  |       |
|------------|----------|----|------|------------------------------------------|---------------------|------------|----------------------|-------|
| ltr        | ecr no.  | dr | date | linear                                   | 0.X ±0.3            | COPY       | www.fciconnect.com   |       |
| BJ         |          |    |      |                                          | 0.XX ±0.13          | projection | title                |       |
|            |          |    |      |                                          | .XXX ±.051          |            | METRAL SIGNAL HEADER |       |
|            |          |    |      | angles                                   | 0° ±2°              |            | product family       |       |
|            |          |    |      | dr                                       | T.BRUNGARD 11/19/99 | MIM        | METRAL               |       |
|            |          |    |      | engr                                     | M.STRAWSER 11/19/99 | scale      | size                 | code  |
|            |          |    |      | chr                                      | M.STRAWSER 11/19/99 | 2:1        | dwg no               | 213   |
|            |          |    |      | appd                                     | M.STRAWSER 02/29/00 |            | 89074                | sheet |
| sheet      | revision |    |      |                                          |                     |            |                      | 2     |
| index      | sheet    |    |      |                                          |                     |            |                      |       |

cage code 22526

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X01<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |
|                                                 | C   | 3                      | 3 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |
|                                                 | B   | 3                      | 2 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |
|                                                 | A   | 3                      | 1 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X02<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 3 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 3  | 1  |
|                                                 | C   | 1                      | 3 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 3  | 1  |
|                                                 | B   | 1                      | 3 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 3  | 1  |
|                                                 | A   | 1                      | 3 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 3  | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X08<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 3 | 2 | 3 | 3 | 3      | 2 | 3 | 2  | 2  |    |
|                                                 | C   | 3                      | 2 | 3 | 2 | 3 | 3 | 3      | 2 | 3 | 2  | 2  |    |
|                                                 | B   | 3                      | 2 | 3 | 2 | 3 | 3 | 3      | 2 | 3 | 2  | 2  |    |
|                                                 | A   | 3                      | 2 | 3 | 2 | 3 | 3 | 3      | 2 | 3 | 2  | 2  |    |

| METAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 |
| 89074-X12<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  |
|                                                 | C   | 3                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  |
|                                                 | B   | 3                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  |
|                                                 | A   | 3                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X03<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 1 | 1 | 2 | 2      | 2 | 2 | 3 | 2  | 2  | 1  |
|                                                 | C   | 3                      | 2 | 1 | 1 | 2 | 2      | 2 | 2 | 3 | 2  | 2  | 1  |
|                                                 | B   | 3                      | 2 | 1 | 1 | 2 | 2      | 2 | 2 | 3 | 2  | 2  | 2  |
|                                                 | A   | 3                      | 2 | 1 | 1 | 2 | 2      | 2 | 1 | 3 | 2  | 2  | 2  |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X13<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 7                      | 6 | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6  | 6  | 6  |
|                                                 | C   | 7                      | 6 | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6  | 6  | 6  |
|                                                 | B   | 7                      | 6 | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6  | 6  | 6  |
|                                                 | A   | 7                      | 6 | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6  | 6  | 6  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X04<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 3  |
|                                                 | C   | 3                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 3  |
|                                                 | B   | 3                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 3  |
|                                                 | A   | 3                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 3  | 1  | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X10<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2 | 3      | 3 | 3 | 2  | 4  | 4  |
|                                                 | C   | 3                      | 2 | 2 | 2 | 2 | 2 | 3      | 3 | 3 | 2  | 4  | 4  |
|                                                 | B   | 3                      | 2 | 2 | 2 | 2 | 2 | 3      | 3 | 3 | 2  | 4  | 4  |
|                                                 | A   | 3                      | 2 | 2 | 2 | 2 | 2 | 3      | 3 | 3 | 2  | 4  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 |
| 89074-X14<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 7                      | 6 | 6 | 6 | 6 | 6      | 7 | 6 | 6 | 6  | 6  |
|                                                 | C   | 7                      | 6 | 6 | 6 | 6 | 6      | 7 | 6 | 6 | 6  | 6  |
|                                                 | B   | 7                      | 6 | 6 | 6 | 6 | 6      | 7 | 6 | 6 | 6  | 6  |
|                                                 | A   | 7                      | 6 | 6 | 6 | 6 | 6      | 7 | 6 | 6 | 6  | 6  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X05<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |
|                                                 | C   | 3                      | 1 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |
|                                                 | B   | 3                      | 1 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 3  | 2  | 3  |
|                                                 | A   | 3                      | 1 | 1 | 1 | 1 | 1 | 1      | 3 | 2 | 2  | 2  | 3  |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X15<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X16<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | C   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | A   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X17<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X18<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 3  |
|                                                 | C   | 3                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 3  |
|                                                 | B   | 3                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 3  |
|                                                 | A   | 3                      | 1 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X19<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 4 | 3 | 3  |
|                                                 | C   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 4 | 3 | 3  |
|                                                 | B   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 4 | 3 | 3  |
|                                                 | A   | 4                      | 2 | 2 | 2 | 2 | 2      | 2 | 4 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X20<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |
|                                                 | C   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |
|                                                 | B   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |
|                                                 | A   | 8                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X21<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 2 | 1 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X22<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 1 | 1 | 3 | 2      | 4 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 3 | 2      | 4 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X23<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | C   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | B   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | A   | 1                      | 1 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X24<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |
|                                                 | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X25<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | C   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | B   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | A   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X26<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | C   | 3                      | 4 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | B   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | A   | 3                      | 3 | 1 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X27<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 1      | 1 | 2 | 2 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X28<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 1 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 1 | 1 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 4 | 1 | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 4 | 1 | 2  |

| mat'l code |          |    |      | tolerances unless<br>otherwise specified |                     | CUSTOMER   |      |
|------------|----------|----|------|------------------------------------------|---------------------|------------|------|
| litr       | ecn no.  | dr | date | linear                                   | 0.X ±0.3            | projection | COPY |
| BJ         |          |    |      |                                          | 0.XX ±0.13          |            |      |
|            |          |    |      |                                          | .XXX ±.051          |            |      |
|            |          |    |      |                                          | 0° ±2°              |            |      |
|            |          |    |      | angles                                   |                     | MIM        |      |
|            |          |    |      | dr                                       | T.BRUNGARD 11/19/99 |            |      |
|            |          |    |      | enrg                                     | M.STRAWSE 11/19/99  |            |      |
|            |          |    |      | chr                                      | M.STRAWSE 11/19/99  |            |      |
|            |          |    |      | appd                                     | M.STRAWSE 02/29/00  | scale      |      |
|            |          |    |      |                                          |                     |            |      |
|            |          |    |      |                                          |                     |            |      |
|            |          |    |      |                                          |                     |            |      |
| sheet      | revision |    |      |                                          |                     |            |      |
| index      | sheet    |    |      |                                          |                     |            |      |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X29<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  |
|                                                 | C   | 2                      | 2 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  |
|                                                 | B   | 2                      | 2 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  |
|                                                 | A   | 2                      | 2 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X30<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |
|                                                 | C   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |
|                                                 | B   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |
|                                                 | A   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X31<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |
|                                                 | C   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |
|                                                 | B   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |
|                                                 | A   | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X32<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 4  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X33<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X34<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X35<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X36<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |
|                                                 | A   | 2 | 2 | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X37<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X38<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X39<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X40<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | C   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|                                                 | B   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4  |
|                                                 | A   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X41<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 2 | 4 | 2  |
|                                                 | C   | 3 | 3 | 3 | 3 | 2 | 4 | 2 | 4 | 2 | 4  |
|                                                 | B   | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  |
|                                                 | A   | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------------------|-----|---|---|---|---|---|---|---|---|---|----|
|                                                 |     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 89074-X42<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  |
|                                                 | C   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  |
|                                                 | B   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  |
|                                                 | A   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  |

|             |                |    |      |                                       |                     |                |                        |       |   |
|-------------|----------------|----|------|---------------------------------------|---------------------|----------------|------------------------|-------|---|
| mat'l code  |                |    |      | tolerances unless otherwise specified |                     | CUSTOMER       |                        | FCI   |   |
| lfr         | ecn no.        | dr | date | linear                                | 0.X ±0.3            | COPY           | www.fciconnect.com     |       |   |
| BJ          |                |    |      |                                       | 0.XX ±0.13          | projection     | title                  |       |   |
|             |                |    |      |                                       | .XXX ±.051          |                | METRAL SIGNAL HEADER   |       |   |
|             |                |    |      | angles                                | 0° ±2°              |                | 2 MOD, 4 ROW PRESS-FIT |       |   |
|             |                |    |      | dr                                    | T.BRUNGARD 11/19/99 | product family | METRAL                 | code  |   |
|             |                |    |      | enrg                                  | M.STRAWSE 11/19/99  | size           | dwg no                 | 213   |   |
|             |                |    |      | chr                                   | M.STRAWSE 11/19/99  | scale          | 89074                  | sheet | 5 |
|             |                |    |      | appd                                  | M.STRAWSE 02/29/00  | 1:1            | A                      |       |   |
| sheet index | revision sheet |    |      |                                       |                     |                |                        |       |   |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X43<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 2 | 1      | 1 | 1 | 1 | 2  |
|                                                 | C   | 1                      | 1 | 1 | 1 | 2 | 1      | 1 | 1 | 1 | 2  |
|                                                 | B   | 1                      | 1 | 1 | 1 | 2 | 1      | 1 | 1 | 1 | 2  |
|                                                 | A   | 1                      | 1 | 1 | 1 | 2 | 1      | 1 | 1 | 1 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X44<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 3 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |
|                                                 | C   | 3                      | 3 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |
|                                                 | B   | 3                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |
|                                                 | A   | 3                      | 2 | 2 | 2 | 2 | 2      | 3 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X45<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X46<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | - | - | 2 | - | 1      | 2 | 2 | 2 | 2  |
|                                                 | C   | 4                      | - | - | 2 | - | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 4                      | - | - | 2 | - | 4      | 4 | 4 | 2 | 2  |
|                                                 | A   | 4                      | - | - | 2 | - | 2      | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X47<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 8                      | - | - | 6 | - | 5      | 6 | 6 | 6 | 6  |
|                                                 | C   | 8                      | - | - | 6 | - | 6      | 6 | 6 | 6 | 6  |
|                                                 | B   | 8                      | - | - | 6 | - | 8      | 8 | 8 | 6 | 6  |
|                                                 | A   | 8                      | - | - | 6 | - | 6      | 6 | 6 | 6 | 6  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X48<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 8 | 8 | 6  |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  |
|                                                 | A   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X49<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | - | - | 2 | - | 6      | 6 | 6 | 6 | 6  |
|                                                 | C   | 4                      | - | - | 2 | - | 6      | 6 | 6 | 6 | 6  |
|                                                 | B   | 4                      | - | - | 2 | - | 8      | 8 | 8 | 6 | 6  |
|                                                 | A   | 4                      | - | - | 2 | - | 6      | 6 | 6 | 6 | 6  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X50<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X51<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 2 | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 2 | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 2 | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 3 | 2 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X52<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X53<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X54<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |
|                                                 | C   | 3                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |
|                                                 | B   | 3                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |
|                                                 | A   | 3                      | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X55<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 3 | 3 | 4 | 4      | 4 | 4 | 4 | 2  |
|                                                 | C   | 4                      | 4 | 3 | 3 | 4 | 4      | 4 | 2 | 4 | 4  |
|                                                 | B   | 4                      | 4 | 3 | 3 | 4 | 4      | 4 | 4 | 4 | 2  |
|                                                 | A   | 4                      | 4 | 3 | 3 | 4 | 4      | 2 | 2 | 2 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X56<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 3 | 4 | 4 | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X57<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | -      | - | - | 1 | 1  |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | -      | - | - | 1 | 1  |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | -      | - | - | 1 | 1  |
|                                                 | A   | 1                      | 1 | 1 | 1 | 1 | -      | - | - | 1 | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X58<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |
|                                                 | B   | 3                      | 1 | 3 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |
|                                                 | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |

|            |          |     |      |                                       |                     |          |            |                        |                      |                    |  |
|------------|----------|-----|------|---------------------------------------|---------------------|----------|------------|------------------------|----------------------|--------------------|--|
| mat'l code |          | - - |      | tolerances unless otherwise specified |                     | CUSTOMER |            | FCI                    |                      | www.fciconnect.com |  |
| lfr        | ecn no.  | dr  | date | linear                                | 0.X ±0.3            | COPY     | projection | title                  | METRAL SIGNAL HEADER |                    |  |
| B          |          |     |      |                                       | 0.XX ±0.13          |          |            | 2 MOD, 4 ROW PRESS-FIT |                      |                    |  |
|            |          |     |      |                                       | .XXX ±.051          |          |            |                        |                      |                    |  |
|            |          |     |      | angles                                | 0° ±2°              |          |            |                        |                      |                    |  |
|            |          |     |      | dr                                    | T.BRUNGARD 11/19/99 |          |            |                        |                      |                    |  |
|            |          |     |      | enrg                                  | M.STRAWER 11/19/99  |          |            |                        |                      |                    |  |
|            |          |     |      | chr                                   | M.STRAWER 11/19/99  |          |            |                        |                      |                    |  |
|            |          |     |      | appd                                  | M.STRAWER 02/29/00  |          |            |                        |                      |                    |  |
| sheet      | revision |     |      |                                       |                     |          |            |                        |                      |                    |  |
| index      | sheet    |     |      |                                       |                     |          |            |                        |                      |                    |  |

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REV E - 2006-04-18

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X59<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6                      | 8 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|                                                 | C   | 6                      | 8 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|                                                 | B   | 6                      | 8 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |
|                                                 | A   | 6                      | 8 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6  | 6  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X60<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 3  | 2  | 3  |
|                                                 | C   | 2                      | 2 | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 3  | 2  | 3  |
|                                                 | B   | 2                      | 2 | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 3  | 2  | 3  |
|                                                 | A   | 2                      | 2 | 2 | 1 | 1 | 1 | 1      | 1 | 1 | 3  | 2  | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X61<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 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  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|                                                 | A   | 1                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X62<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 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  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 2  | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X63<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 2  | 2  | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 2  | 2  | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 2  | 2  | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 2  | 2  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X64<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 4  |
|                                                 | C   | 2                      | 2 | 4 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 4  |
|                                                 | B   | 2                      | 2 | 4 | 4 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 4  |
|                                                 | A   | 2                      | 2 | 4 | 4 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X65<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 2 | 3 | 2 | 2 | 2      | 4 | 2 | 2  | 2  | 2  |
|                                                 | C   | 3                      | 2 | 2 | 3 | 2 | 2 | 2      | 4 | 2 | 2  | 2  | 2  |
|                                                 | B   | 3                      | 2 | 2 | 3 | 3 | 2 | 2      | 4 | 2 | 2  | 2  | 2  |
|                                                 | A   | 3                      | 2 | 2 | 3 | 3 | 2 | 2      | 4 | 2 | 2  | 2  | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X66<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 2 | 2 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|                                                 | C   | 3                      | 3 | 2 | 2 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|                                                 | B   | 3                      | 3 | 2 | 2 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|                                                 | A   | 3                      | 3 | 2 | 2 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X67<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 4 | 4      | 4 | 4 | 2  | 2  |    |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 4 | 4      | 4 | 4 | 2  | 2  |    |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 4 | 4      | 4 | 4 | 2  | 2  |    |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 4 | 4      | 4 | 4 | 2  | 2  |    |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X68<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 4  | 3  |
|                                                 | C   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 4  | 3  |
|                                                 | B   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 4  | 3  |
|                                                 | A   | 2                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 4  | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X69<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 3 | 3      | 3 | 4 | 2 | 3  | 2  | 2  |
|                                                 | C   | 4                      | 4 | 4 | 4 | 3 | 3      | 3 | 2 | 2 | 3  | 2  | 2  |
|                                                 | B   | 4                      | 4 | 4 | 4 | 3 | 3      | 3 | 2 | 2 | 3  | 3  | 2  |
|                                                 | A   | 4                      | 4 | 4 | 4 | 3 | 3      | 3 | 2 | 2 | 3  | 3  | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X70<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 2 | 4      | 2 | 2 | 4 | 2  | 2  | 2  |
|                                                 | C   | 4                      | 4 | 4 | 4 | 2 | 4      | 2 | 2 | 4 | 2  | 2  | 2  |
|                                                 | B   | 4                      | 4 | 4 | 4 | 2 | 4      | 2 | 2 | 4 | 4  | 2  | 2  |
|                                                 | A   | 4                      | 4 | 4 | 4 | 2 | 4      | 2 | 2 | 4 | 4  | 2  | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X71<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|                                                 | C   | 4                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|                                                 | B   | 4                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |
|                                                 | A   | 4                      | 4 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2  | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X72<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|                                                 | C   | 3                      | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|                                                 | B   | 3                      | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |
|                                                 | A   | 3                      | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X73<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4  | 2  | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4  | 2  | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4  | 2  | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4  | 2  | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X74<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 8  | 6  | 6  |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 8  | 6  | 6  |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 8  | 6  | 6  |
|                                                 | A   | 6                      | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 8  | 6  | 6  |

|             |          |    |      |                                       |                     |                                                                                       |  |                                                                                                          |  |
|-------------|----------|----|------|---------------------------------------|---------------------|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|
| mat'l code  |          |    |      | tolerances unless otherwise specified |                     | CUSTOMER                                                                              |  |  www.fciconnect.com |  |
| lfr         | ecn no.  | dr | date | linear                                | 0.X ±0.3            | COPY                                                                                  |  | title                                                                                                    |  |
| BJ          |          |    |      |                                       | 0.XX ±0.13          | projection                                                                            |  | METRAL SIGNAL HEADER                                                                                     |  |
|             |          |    |      |                                       | .XXX ±.051          |  |  | 2 MOD, 4 ROW PRESS-FIT                                                                                   |  |
|             |          |    |      | angles                                | 0° ±2°              |  |  | product family                                                                                           |  |
|             |          |    |      | dr                                    | T.BRUNGARD 11/19/99 | scale                                                                                 |  | METRAL                                                                                                   |  |
|             |          |    |      | enrg                                  | M.STRAWER 11/19/99  | size                                                                                  |  | code                                                                                                     |  |
|             |          |    |      | chr                                   | M.STRAWER 11/19/99  | A                                                                                     |  | 213                                                                                                      |  |
|             |          |    |      | appd                                  | M.STRAWER 02/29/00  | 1:1                                                                                   |  | sheet                                                                                                    |  |
| sheet index | revision |    |      |                                       |                     |                                                                                       |  | 7                                                                                                        |  |
|             | sheet    |    |      |                                       |                     |                                                                                       |  |                                                                                                          |  |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X75<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 6 | 6      | 7 | 7 | 6  | 8  | 8  |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 6 | 6      | 7 | 7 | 6  | 8  | 8  |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 6 | 6      | 7 | 7 | 6  | 8  | 8  |
|                                                 | A   | 6                      | 6 | 6 | 6 | 6 | 6 | 6      | 7 | 7 | 6  | 8  | 8  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X81<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 3  | 3  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 3  | 3  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 3  | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2  | 3  | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 |   |
| 89074-X86<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | -                      | - | 2 | 2 | - | -      | - | 4 | 2 | 2  | 4  | 2 |
|                                                 | C   | 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 |
|                                                 | A   | -                      | - | - | - | - | -      | 4 | 4 | 4 | 4  | 19 |   |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X76<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2  | 2  | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2  | 2  | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2  | 2  | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 | 4      | 2 | 2 | 2  | 2  | 1  |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |   |
| 89074-X83<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 7 | 7 | 6      | 6 | 6 | 7 | 7  | 6  | 8  | 8 |
|                                                 | C   | 6                      | 6 | 6 | 7 | 7 | 6      | 6 | 6 | 7 | 7  | 6  | 8  | 8 |
|                                                 | B   | 6                      | 6 | 6 | 7 | 7 | 6      | 6 | 6 | 7 | 7  | 6  | 8  | 8 |
|                                                 | A   | 6                      | 6 | 6 | 7 | 7 | 6      | 6 | 6 | 7 | 7  | 6  | 8  | 8 |

| METAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 |
| 89074-X88<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 4                      | - | 2 | 4 | 4 | 2 | -      | 4 | 2 | -  | 4  |
|                                                 | C   | 4                      | - | 4 | 4 | 4 | 2 | -      | 4 | 2 | -  | 4  |
|                                                 | B   | 4                      | - | - | 4 | 4 | 2 | 2      | 4 | 2 | 2  | 4  |
|                                                 | A   | 4                      | - | - | 4 | 4 | 2 | 2      | 4 | 2 | 2  | 4  |

[illegible]

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X84<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  |
|                                                 | A   | 1                      | 3 | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3  | 3  | 3  |

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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   |   | MOD. 2 |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|--------|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 | 7      | 8 | 9 | 10 | 11 | 12 |
| 89074-X85<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 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  |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 1 | 1 | 1      | 1 | 1 | 1  | 1  | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 |
| 89074-X90<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  |
|                                                 | A   | 3                      | 3 | 3 | 1 | 3 | 3      | 3 | 3 | 3 | 3  | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|----|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 89074-X80<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 3  | 3  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 3  | 3  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 3  | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  | 3  | 3  |

|                |         |                   |      |        |             |                                          |                                                                                       |                                                                                                      |                                                         |                                                                                                             |                 |
|----------------|---------|-------------------|------|--------|-------------|------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|
| mat'l code     |         |                   |      | --     |             | tolerances unless<br>otherwise specified |                                                                                       | CUSTOMER                                                                                             |                                                         | <br>www.fciconnect.com |                 |
| ltr            | ecn no. | dr                | date | linear | 0.X ± 0.3   |                                          | projection                                                                            |                 | title<br>METRAL SIGNAL HEADER<br>2 MOD, 4 ROW PRESS-FIT |                                                                                                             |                 |
| BJ             |         |                   |      |        | 0.XX ± 0.13 |                                          |                                                                                       |                                                                                                      |                                                         |                                                                                                             |                 |
|                |         |                   |      | angles | .XXX ± .051 |                                          |  | product family<br>METRAL                                                                             |                                                         |                                                                                                             |                 |
|                |         |                   |      |        | 0° ± 2°     |                                          |                                                                                       |                                                                                                      |                                                         |                                                                                                             |                 |
|                |         |                   |      | dr     | T.BRUNGARD  | 11/19/99                                 | scale                                                                                 | <br>MM<br>1 : 1 | size                                                    |                                                                                                             | dwg no<br>89074 |
|                |         |                   |      | engr   | M.STRAWSER  | 11/19/99                                 |                                                                                       |                                                                                                      | sheet<br>213                                            |                                                                                                             |                 |
|                |         |                   |      | chr    | M.STRAWSER  | 11/19/99                                 |                                                                                       |                                                                                                      |                                                         | sheet<br>8                                                                                                  |                 |
|                |         |                   |      | appd   | M.STRAWSER  | 02/29/00                                 |                                                                                       |                                                                                                      |                                                         |                                                                                                             |                 |
| sheet<br>index |         | revision<br>sheet |      |        |             |                                          |                                                                                       |                                                                                                      |                                                         |                                                                                                             |                 |



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REV E - 2006-04-18

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X91<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |
|                                                 | C   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |
|                                                 | B   | 7                      | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  |
|                                                 | A   | 7                      | 7 | 7 | 5 | 7 | 7      | 7 | 7 | 7 | 7  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X92<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |
|                                                 | A   | 1                      | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X93<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 3 | 2 | 3  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 3 | 2 | 3  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 3 | 2 | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 3 | 2 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X94<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 1 | 1 | 2 | 2      | 2 | 3 | 2 | 2  |
|                                                 | C   | 3                      | 2 | 1 | 1 | 2 | 2      | 1 | 2 | 3 | 2  |
|                                                 | B   | 3                      | 2 | 1 | 1 | 2 | 1      | 1 | 2 | 3 | 2  |
|                                                 | A   | 3                      | 2 | 1 | 1 | 2 | 1      | 2 | 2 | 3 | 2  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X95<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 4 | 2 | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 4 | 2      | 4 | 2 | 4 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 4 | 2 | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 4      | 2 | 4 | 2 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X96<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X97<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 3  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X98<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 1 | 2 | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 4 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X99<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 4 | 2      | 2 | 4 | 3 | 4  |
|                                                 | C   | 2                      | 2 | 2 | 2 | 4 | 2      | 2 | 4 | 3 | 4  |
|                                                 | B   | 2                      | 2 | 2 | 2 | 4 | 2      | 2 | 4 | 3 | 4  |
|                                                 | A   | 2                      | 2 | 2 | 2 | 4 | 2      | 2 | 4 | 3 | 4  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X100<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 9 | 2 | 2 | 2 | 2      | 2 | 1 | 2 | 1  |
|                                                  | C   | 1                      | 9 | 2 | 2 | 2 | 2      | 2 | 1 | 2 | 1  |
|                                                  | B   | 1                      | 9 | 2 | 2 | 2 | 2      | 2 | 2 | 1 | 1  |
|                                                  | A   | 1                      | 9 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X101<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 9 | 2 | 2 | 1 | 9      | 2 | 2 | 1 | 9  |
|                                                  | C   | 1                      | 9 | 2 | 1 | 2 | 1      | 9 | 2 | 2 | 1  |
|                                                  | B   | 1                      | 9 | 2 | 1 | 9 | 2      | 1 | 9 | 2 | 1  |
|                                                  | A   | 1                      | 9 | 2 | 1 | 2 | 1      | 9 | 2 | 2 | 1  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X102<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 9 | 2 | 1 | 2 | 2      | 1 | 2 | 2 | 1  |
|                                                  | C   | 1                      | 9 | 2 | 1 | 2 | 2      | 2 | 1 | 2 | 1  |
|                                                  | B   | 1                      | 9 | 1 | 1 | 2 | 2      | 2 | 1 | 2 | 1  |
|                                                  | A   | 1                      | 9 | 1 | 2 | 2 | 1      | 2 | 2 | 2 | 1  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X103<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |
|                                                  | C   | 2                      | 1 | 1 | 2 | 2 | 2      | 2 | 2 | 2 | 1  |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 1 | 9  |
|                                                  | A   | 1                      | 2 | 1 | 1 | 1 | 2      | 2 | 2 | 1 | 2  |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|---|--------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |
| 89074-X104<br>SEE NOTE 10<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |
|                                                  | C   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |
|                                                  | B   | 3                      | 3 | 3 | 3 | 3 | 3      | 1 | 1 | 1 | 1  |
|                                                  | A   | 1                      | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  |

|            |  |  |  |                                       |  |                     |  |                        |  |
|------------|--|--|--|---------------------------------------|--|---------------------|--|------------------------|--|
| mat'l code |  |  |  | tolerances unless otherwise specified |  | CUSTOMER            |  | FCI                    |  |
| litr       |  |  |  | linear                                |  | COPY                |  | www.fciconnect.com     |  |
| BJ         |  |  |  | linear                                |  | projection          |  | title                  |  |
|            |  |  |  | angles                                |  | 0° ± 2°             |  | METRAL SIGNAL HEADER   |  |
|            |  |  |  | dr                                    |  | T.BRUNGARD 11/19/99 |  | 2 MOD, 4 ROW PRESS-FIT |  |
|            |  |  |  | enrg                                  |  | M.STRAWER 11/19/99  |  | product family         |  |
|            |  |  |  | chr                                   |  | M.STRAWER 11/19/99  |  | METRAL                 |  |
|            |  |  |  | appd                                  |  | M.STRAWER 02/29/00  |  | code                   |  |
| sheet      |  |  |  | revision                              |  | scale               |  | size                   |  |
| index      |  |  |  | sheet                                 |  | 1:1                 |  | dwg no                 |  |
|            |  |  |  |                                       |  |                     |  | 89074                  |  |
|            |  |  |  |                                       |  |                     |  | sheet                  |  |
|            |  |  |  |                                       |  |                     |  | 9                      |  |
|            |  |  |  |                                       |  |                     |  | cage code              |  |
|            |  |  |  |                                       |  |                     |  | 22526                  |  |

Pro/E

PDM: Rev:BJ

STATUS:Released

Printed: Jun 10, 2010

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| PRODUCT NUMBER |
|----------------|
| 89074-XYX      |
| 89074-XYLFF    |

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:  
55422-XYX IS SnPb  
55422-XYLFF 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-XXXPLF
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

10. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 89074-X01LF

PLATING IN CONTACT AREA

| DASH NUMBER | PERFORMANCE LEVEL                 | NOTES      |
|-------------|-----------------------------------|------------|
| -N1YY       | TELCORDIA CO (NXT)                | -          |
| -N5YY       | TELCORDIA UE (NXT)                | -          |
| -1YY        | TELCORDIA CO                      | -          |
| -2YY        | TELECOM CLASS                     | -          |
| -3YY        | IEC CLASS I                       | -          |
| -5YY        | TELCORDIA UE                      | -          |
| -9YY        | TELCORDIA CO                      | -          |
| -N1YYLF     | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 9 |
| -N5YYLF     | TELCORDIA UE (NXT)                | SEE NOTE 9 |
| -1YYLF      | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 9 |
| -2YYLF      | TELECOM CLASS                     | SEE NOTE 9 |
| -5YYLF      | TELCORDIA UE                      | SEE NOTE 9 |

|             |                |    |      |                                          |                     |                                                                                       |  |                                                                                                          |        |       |
|-------------|----------------|----|------|------------------------------------------|---------------------|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--------|-------|
| mat'l code  |                |    |      | tolerances unless<br>otherwise specified |                     | CUSTOMER                                                                              |  |  www.fciconnect.com |        |       |
| ltr         | ecn no.        | dr | date | linear                                   | 0.X ±0.3            | COPY                                                                                  |  | title METRAL SIGNAL HEADER<br>2 MOD, 4 ROW PRESS-FIT                                                     |        |       |
| BJ          |                |    |      |                                          | 0.XX ±0.13          | projection                                                                            |  |                                                                                                          |        |       |
|             |                |    |      |                                          | .XXX ±.051          |  |  |                                                                                                          |        |       |
|             |                |    |      |                                          | angles 0° ±2°       |  |  |                                                                                                          |        |       |
|             |                |    |      | dr                                       | T.BRUNGARD 11/19/99 | scale 1:1                                                                             |  | product family METRAL                                                                                    |        | code  |
|             |                |    |      | engr                                     | M.STRAWER 11/19/99  |                                                                                       |  | size                                                                                                     | dwg no | 213   |
|             |                |    |      | chr                                      | M.STRAWER 11/19/99  |                                                                                       |  | A                                                                                                        | 89074  | sheet |
|             |                |    |      | appd                                     | M.STRAWER 02/29/00  |                                                                                       |  |                                                                                                          |        | 10    |
| sheet index | revision sheet |    |      |                                          |                     |                                                                                       |  |                                                                                                          |        |       |