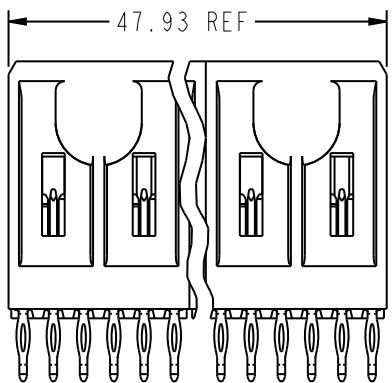
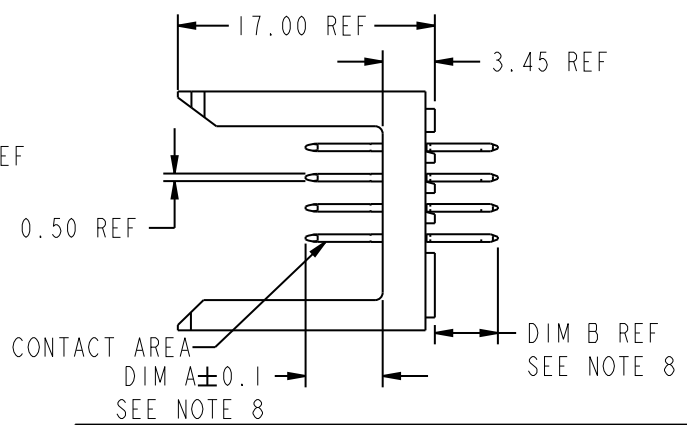
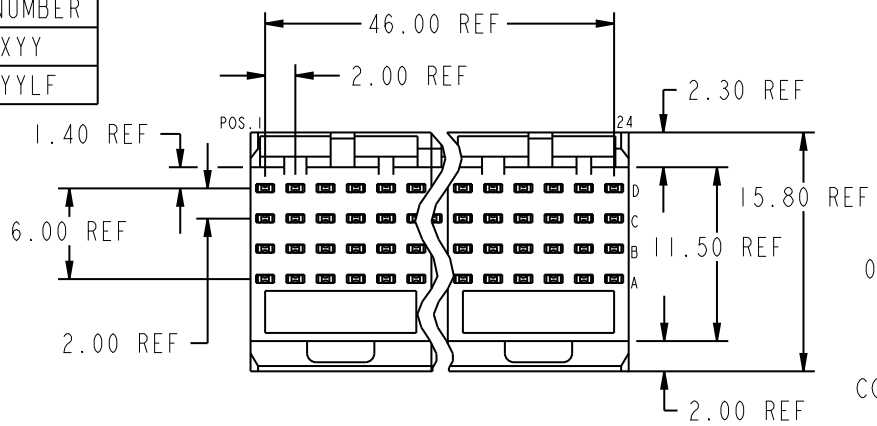


PRODUCT NUMBER  
70234-XY  
70234-XYLF



| PLATING IN CONTACT AREA |                                   |             |
|-------------------------|-----------------------------------|-------------|
| DASH NUMBER             | PERFORMANCE LEVEL                 | NOTES       |
| -Ayy                    | TELCORDIA CO                      | SEE NOTE 9  |
| -Myy                    | .38μm GOLD MIN.                   | -           |
| -NIyy                   | TELCORDIA CO (NXT)                | -           |
| -N5yy                   | TELCORDIA UE (NXT)                | -           |
| -Iyy                    | TELCORDIA CO                      | -           |
| -2yy                    | TELECOM CLASS                     | -           |
| -3yy                    | IEC CLASS I                       | -           |
| -5yy                    | TELCORDIA UE                      | -           |
| -AYYLF                  | TELCORDIA CO                      | SEE NOTE 10 |
| -NIYYLF                 | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -N5YYLF                 | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -IYYLF                  | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2YYLF                  | TELECOM CLASS                     | SEE NOTE 10 |
| -5YYLF                  | TELCORDIA UE                      | SEE NOTE 10 |

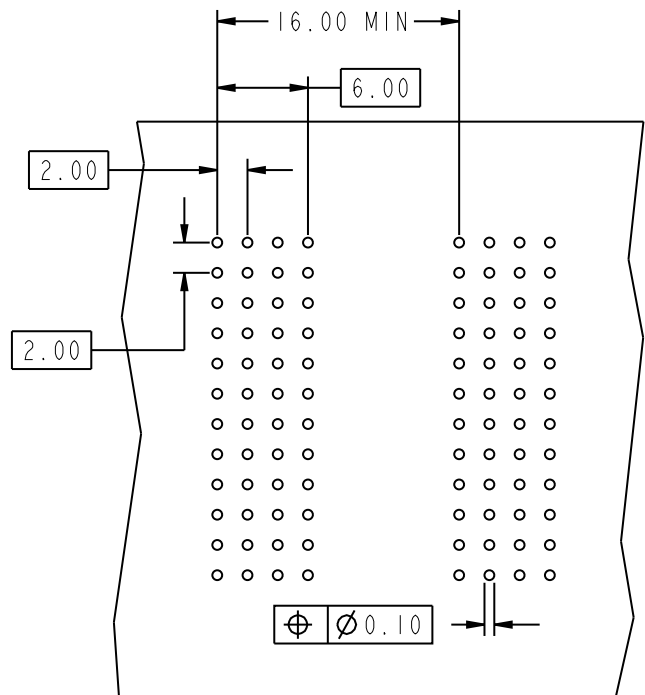
|             |                |     |            |                                       |            |          |       |            |    |         |  |    |    |    |    |
|-------------|----------------|-----|------------|---------------------------------------|------------|----------|-------|------------|----|---------|--|----|----|----|----|
| mat'l code  |                |     |            | tolerances unless otherwise specified |            |          |       | CUSTOMER   |    |         | FCJ<br>www.fcjconnect.com                      |    |    |    |    |
| ltr         | ecn no.        | dr  | date       | linear                                | 0.X ±0.3   |          |       | COPY       |    |         | title  |    |    |    |    |
| AG          | V06-0498       | DCH | 2006-05-31 |                                       | 0.XX ±0.13 |          |       | projection |    |         | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |    |    |    |    |
| AH          | DG09-0256      | TER | 2009-08-19 |                                       | .XXX ±.051 |          |       |            |    |         | product family METRAL code                     |    |    |    |    |
| -           | -              | -   | -          | angles                                | 0° ±2°     |          |       |            |    |         | size   |    |    |    |    |
| AC          | V04-0554       | TAB | 06/07/04   | dr                                    | T.BRUNGARD | 11/19/99 | scale |            |    | 70234   |  |    |    |    |    |
| AD          | V05-0079       | HTB | 02/03/05   | engr                                  | M.STRAWSE  | 11/19/99 | A     |            |    | 213     |  |    |    |    |    |
| AE          | V05-0359       | DAI | 04/21/05   | chr                                   | M.STRAWSE  | 11/19/99 | 2:1   |            |    | sheet   |  |    |    |    |    |
| AF          | V05-1030       | LP  | 11/18/05   | appd                                  | M.STRAWSE  | 02/29/00 |       |            |    | 1 of 12 |  |    |    |    |    |
| sheet index | revision sheet | AH  | AH         | AH                                    | AH         | AH       | AH    | AH         | AH | AH      | AH   | AH | AH | AH | AH |

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1 | 2

3 |

4



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           |
| 9    | 5.00            | 17.00           |
| 10   | 5.75            | 17.00           |
| 11   | 6.50            | 17.00           |
| 12   | 7.25            | 17.00           |
| 13   | 8.25            | 4.30            |
| 14   | 8.25            | 13.60           |
| 15   | 8.25            | 17.00           |
| 19   | 8.00            | 4.30            |
| 20   | 8.00            | 13.60           |
| 21   | 8.00            | 17.00           |



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|             |                |    |      |        |            |                                       |        |          |            |  |       |
|-------------|----------------|----|------|--------|------------|---------------------------------------|--------|----------|------------|--|-------|
| mat'l code  |                |    |      | --     |            | tolerances unless otherwise specified |        | CUSTOMER |            | www.fcjconnect.com                             |       |
| ltr         | ecr no.        | dr | date | linear | 0.X ±0.3   |                                       | COPY   |          | projection | title  |       |
| AH          |                |    |      |        | 0.XX ±0.13 |                                       |        |          |            | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |       |
|             |                |    |      |        | .XXX ±.051 |                                       |        |          |            | product family                                 |       |
|             |                |    |      | angles | 0° ±2°     |                                       | MM     |          | METRAL     |  | code  |
|             |                |    |      | dr     | T.BRUNGARD | 11/19/99                              | ← MM → |          | size       |  | 213   |
|             |                |    |      | engr   | M.STRAWSER | 11/19/99                              | scale  |          | dwg no     |  | sheet |
|             |                |    |      | chr    | M.STRAWSER | 11/19/99                              | 1:1    |          | A          |  | 2     |
|             |                |    |      | appd   | M.STRAWSER | 02/29/00                              |        |          | 70234      |  |       |
| sheet index | revision sheet |    |      |        |            |                                       |        |          |            |  |       |

cage code 22526 4



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| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X10<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X11<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X12<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X13<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X14<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|   | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X15<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X16<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X17<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|   | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X18<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|   | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|   | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X19<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|   | C   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|   | B   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|   | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |

|            |          |    |      |        |            |                                       |            |          |      |     |                        |                    |  |
|------------|----------|----|------|--------|------------|---------------------------------------|------------|----------|------|-----|------------------------|--------------------|--|
| mat'l code |          |    |      | --     |            | tolerances unless otherwise specified |            | CUSTOMER |      | FCJ |                        | www.fcjconnect.com |  |
| ltr        | ecr no.  | dr | date | linear | 0.X ±0.3   |                                       | projection |          | COPY |     | title                  |                    |  |
| AH         |          |    |      |        | 0.XX ±0.13 |                                       |            |          |      |     | METRAL SIGNAL HEADER   |                    |  |
|            |          |    |      |        | .XXX ±.051 |                                       |            |          |      |     | 4 MOD, 4 ROW PRESS-FIT |                    |  |
|            |          |    |      | angles | 0° ±2°     |                                       |            |          |      |     | product family         |                    |  |
|            |          |    |      | dr     | T.BRUNGARD | 11/19/99                              | MM         |          |      |     | METRAL                 |                    |  |
|            |          |    |      | enrg   | M.STRAWSER | 11/19/99                              |            |          |      |     | code                   |                    |  |
|            |          |    |      | chr    | M.STRAWSER | 11/19/99                              | 1:1        |          |      |     | size                   |                    |  |
|            |          |    |      | appd   | M.STRAWSER | 02/29/00                              |            |          |      |     | 70234                  |                    |  |
| sheet      | revision |    |      |        |            |                                       |            |          |      |     | 213                    |                    |  |
| index      | sheet    |    |      |        |            |                                       |            |          |      |     | 3                      |                    |  |

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| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X20<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X21<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X22<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X23<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X24<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X25<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X26<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X27<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X28<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X29<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | C   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | B   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  |

|             |                |    |      |        |            |            |          |                                       |            |  |       |          |  |  |  |                           |  |  |  |
|-------------|----------------|----|------|--------|------------|------------|----------|---------------------------------------|------------|--|-------|----------|--|--|--|---------------------------|--|--|--|
| mat'l code  |                |    |      | --     |            |            |          | tolerances unless otherwise specified |            |  |       | CUSTOMER |  |  |  | FCJ<br>www.fcjconnect.com |  |  |  |
| ltr         | ecr no.        | dr | date | linear | 0.X ±0.3   |            |          |                                       | COPY       |  |       |          | title  |  |  |                           |  |  |  |
| AH          |                |    |      |        | 0.XX ±0.13 |            |          |                                       | projection |  |       |          | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |  |                           |  |  |  |
|             |                |    |      |        | .XXX ±.051 |            |          |                                       |            |  |       |          | product family                                 |  |  |                           |  |  |  |
|             |                |    |      | angles | 0° ±2°     |            |          |                                       |            |  |       |          | METRAL   |  |  |                           |  |  |  |
|             |                |    |      |        | dr         | T.BRUNGARD | 11/19/99 | MM                                    |            |  |       | code     |  |  |  |                           |  |  |  |
|             |                |    |      | enrg   | M.STRAWSER | 11/19/99   | A        |                                       |            |  | 213   |          |  |  |  |                           |  |  |  |
|             |                |    |      | chr    | M.STRAWSER | 11/19/99   | 1:1      |                                       |            |  | sheet |          |  |  |  |                           |  |  |  |
|             |                |    |      | appd   | M.STRAWSER | 02/29/00   | 70234    |                                       |            |  | 4     |          |  |  |  |                           |  |  |  |
| sheet index | revision sheet |    |      |        |            |            |          |                                       |            |  |       |          |  |  |  |                           |  |  |  |

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| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X30<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X31<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | C   | 9                   | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | B   | 9                   | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | A   | 9                   | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X32<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | C   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | B   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X33<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X34<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | C   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | A   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X35<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | C   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X36<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X37<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X38<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | C   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | B   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | A   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X39<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | C   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | B   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | A   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

|             |         |                |      |                          |  |  |  |                                       |  |  |  |            |  |  |  |  |  |  |  |
|-------------|---------|----------------|------|--------------------------|--|--|--|---------------------------------------|--|--|--|------------|--|--|--|--|--|--|--|
| mat'l code  |         |                |      | --                       |  |  |  | tolerances unless otherwise specified |  |  |  | CUSTOMER   |  |  |  | FCJ<br>www.fcjconnect.com                      |  |  |  |
| ltr         | ecr no. | dr             | date | linear                   |  |  |  | COPY                                  |  |  |  | projection |  |  |  | title  |  |  |  |
| AH          |         |                |      |                          |  |  |  | 0.X ±0.3                              |  |  |  | MM         |  |  |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |  |  |
|             |         |                |      |                          |  |  |  | 0.XX ±0.13                            |  |  |  | MM         |  |  |  | product family                                 |  |  |  |
|             |         |                |      | .XXX ±.051               |  |  |  | MM                                    |  |  |  | size       |  |  |  | code   |  |  |  |
|             |         |                |      | 0° ±2°                   |  |  |  | MM                                    |  |  |  | A          |  |  |  | 213  |  |  |  |
|             |         |                |      | dr T.BRUNGARD 11/19/99   |  |  |  | MM                                    |  |  |  | 70234      |  |  |  | sheet  |  |  |  |
|             |         |                |      | enrg M.STRAWSER 11/19/99 |  |  |  | MM                                    |  |  |  | 5          |  |  |  |  |  |  |  |
|             |         |                |      | chr M.STRAWSER 11/19/99  |  |  |  | MM                                    |  |  |  |            |  |  |  |  |  |  |  |
|             |         |                |      | appd M.STRAWSER 02/29/00 |  |  |  | MM                                    |  |  |  |            |  |  |  |  |  |  |  |
| sheet index |         | revision sheet |      |                          |  |  |  |                                       |  |  |  |            |  |  |  |  |  |  |  |

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| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X40<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | B   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X41<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | B   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X42<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | C   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | B   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | A   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X43<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 13                  | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
|  | C   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | A   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X44<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X45<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | C   | 2                   | 2 | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | A   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X46<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|  | C   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | A   | 3                   | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X47<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | C   | 4                   | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | B   | 13                  | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
|  | A   | 13                  | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13     | 13 | 13 | 13 | 13 | 13 | 13 | 13 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X48<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|  | C   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|  | B   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|  | A   | 19                  | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X49<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 4                   | 4 | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4  | 4      | 4  | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

|             |         |                |      |                                       |            |          |  |            |  |  |  |  |  |  |  |
|-------------|---------|----------------|------|---------------------------------------|------------|----------|--|------------|--|--|--|--|--|--|--|
| mat'l code  |         |                |      | tolerances unless otherwise specified |            |          |  | CUSTOMER   |  |  |  | FCJ<br>www.fcjconnect.com                      |  |  |  |
| ltr         | ecr no. | dr             | date | linear                                | 0.X ±0.3   |          |  | COPY       |  |  |  | title  |  |  |  |
| AH          |         |                |      |                                       | 0.XX ±0.13 |          |  | projection |  |  |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |  |  |
|             |         |                |      |                                       | .XXX ±.051 |          |  |            |  |  |  | product family                                 |  |  |  |
|             |         |                |      | angles                                | 0° ±2°     |          |  |            |  |  |  | METRAL   |  |  |  |
|             |         |                |      | dr                                    | T.BRUNGARD | 11/19/99 |  |            |  |  |  | code   |  |  |  |
|             |         |                |      | enrg                                  | M.STRAWSER | 11/19/99 |  | size       |  |  |  | 213  |  |  |  |
|             |         |                |      | chr                                   | M.STRAWSER | 11/19/99 |  | dwg no     |  |  |  | 70234  |  |  |  |
|             |         |                |      | appd                                  | M.STRAWSER | 02/29/00 |  | A          |  |  |  | sheet  |  |  |  |
| sheet index |         | revision sheet |      |                                       |            |          |  |            |  |  |  | 6  |  |  |  |

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| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X50<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X51<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X52<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X53<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 14                  | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X54<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X55<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X56<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 0 | 2 | 0 | 2 | 0      | 2 | 0 | 2 | 0  | 2      | 0  | 2  | 0  | 2  | 0      | 2  | 0  | 2  | 0  | 2  | 0  | 2  | 0  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X57<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | C   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | B   | 14                  | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
|   | A   | 14                  | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14     | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X58<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|   | C   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|   | B   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|   | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X59<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

|             |                |    |      |        |            |            |  |                                       |            |                |  |          |  |        |  |                           |  |  |  |  |  |  |  |  |  |
|-------------|----------------|----|------|--------|------------|------------|--|---------------------------------------|------------|----------------|--|----------|--|--------|--|---------------------------|--|--|--|--|--|--|--|--|--|
| mat'l code  |                |    |      | --     |            |            |  | tolerances unless otherwise specified |            |                |  | CUSTOMER |  |        |  | FCJ<br>www.fcjconnect.com |  |  |  |  |  |  |  |  |  |
| ltr         | ecr no.        | dr | date | linear | 0.X ±0.3   |            |  |                                       | projection |                |  |          | title  |        |  |                           |  |  |  |  |  |  |  |  |  |
| AH          |                |    |      |        | 0.XX ±0.13 |            |  |                                       | MM         |                |  |          | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |        |  |                           |  |  |  |  |  |  |  |  |  |
|             |                |    |      |        | angles     | .XXX ±.051 |  |                                       |            | product family |  |          |  | METRAL |  |                           |  |  |  |  |  |  |  |  |  |
|             |                |    |      | 0° ±2° |            |            |  | size                                  |            |                |  | 70234    |  |        |  |                           |  |  |  |  |  |  |  |  |  |
|             |                |    |      | dr     | T.BRUNGARD | 11/19/99   |  |                                       |            | code           |  |          |  | 213    |  |                           |  |  |  |  |  |  |  |  |  |
|             |                |    |      | enrg   | M.STRAWSER | 11/19/99   |  |                                       |            | sheet          |  |          |  | 7      |  |                           |  |  |  |  |  |  |  |  |  |
|             |                |    |      | chr    | M.STRAWSER | 11/19/99   |  |                                       |            | scale          |  |          |  | 1:1    |  |                           |  |  |  |  |  |  |  |  |  |
|             |                |    |      | appd   | M.STRAWSER | 02/29/00   |  |                                       |            | cage code      |  |          |  | 22526  |  |                           |  |  |  |  |  |  |  |  |  |
| sheet index | revision sheet |    |      |        |            |            |  |                                       |            |                |  |          |  |        |  |                           |  |  |  |  |  |  |  |  |  |

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| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X60<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | B   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|  | A   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X61<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | B   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | A   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X62<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|  | C   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|  | B   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|  | A   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X63<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 15                  | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
|  | C   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | B   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X64<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | C   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | B   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|  | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X65<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 9                   | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|  | C   | 10                  | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  | B   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | A   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X66<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 21                  | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|  | C   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | B   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X67<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|  | C   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|  | B   | 15                  | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
|  | A   | 15                  | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15     | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X68<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 21                  | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|  | C   | 21                  | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|  | B   | 21                  | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|  | A   | 21                  | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X69<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 12                  | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|  | C   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | B   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|  | A   | 11                  | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

|             |                |    |      |                                       |  |  |  |            |  |  |  |  |  |  |  |
|-------------|----------------|----|------|---------------------------------------|--|--|--|------------|--|--|--|--|--|--|--|
| mat'l code  |                |    |      | tolerances unless otherwise specified |  |  |  | CUSTOMER   |  |  |  | FCJ<br>www.fcjconnect.com                      |  |  |  |
| ltr         | ecr no.        | dr | date | linear                                |  |  |  | projection |  |  |  | title  |  |  |  |
| AH          |                |    |      | 0.X ±0.3                              |  |  |  | MM         |  |  |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |  |  |  |
|             |                |    |      | 0.XX ±0.13                            |  |  |  | MM         |  |  |  | product family                                 |  |  |  |
|             |                |    |      | .XXX ±.051                            |  |  |  | MM         |  |  |  | METRAL   |  |  |  |
|             |                |    |      | 0° ±2°                                |  |  |  | MM         |  |  |  | code   |  |  |  |
|             |                |    |      | dr T.BRUNGARD 11/19/99                |  |  |  | MM         |  |  |  | size   |  |  |  |
|             |                |    |      | enrg M.STRAWSER 11/19/99              |  |  |  | MM         |  |  |  | dwg no   |  |  |  |
|             |                |    |      | chr M.STRAWSER 11/19/99               |  |  |  | MM         |  |  |  | A  |  |  |  |
|             |                |    |      | appd M.STRAWSER 02/29/00              |  |  |  | MM         |  |  |  | 70234  |  |  |  |
| sheet index | revision sheet |    |      |                                       |  |  |  | scale 1:1  |  |  |  | sheet 8  |  |  |  |





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| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X70<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 4                   | 4 | 4 | 4 | 4      | 4 | 4 | 4 | 4      | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | C   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | B   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | A   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X71<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | C   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 1                   | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | A   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X72<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 4                   | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | B   | 4                   | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4      | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
|  | A   | 19                  | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X73<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | A   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X74<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | A   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X75<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | B   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | A   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X76<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 19                  | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|  | C   | 1                   | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | B   | 1                   | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | A   | 19                  | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |    |    |    | MOD. 2 |    |    |    | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5      | 6  | 7  | 8  | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X77<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 2                   | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | C   | 3                   | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | B   | 19                  | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|  | A   | 3                   | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X78<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 1                   | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | C   | 1                   | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
|  | B   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | A   | 1                   | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1      | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL P/N                                   | ROW | CONTACT CODE MOD. 1 |   |   |   | MOD. 2 |   |   |   | MOD. 3 |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |    |    |    |
|--|-----|---------------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X79<br>SEE NOTE 11<br>LEAD FREE OPTION | D   | 3                   | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3      | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
|  | C   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | B   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
|  | A   | 2                   | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2      | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

|             |                |    |      |                                       |            |            |  |            |  |  |        |  |                |  |  |  |  |  |  |  |  |  |  |
|-------------|----------------|----|------|---------------------------------------|------------|------------|--|------------|--|--|--------|--|----------------|--|--|--|--|--|--|--|--|--|--|
| mat'l code  |                |    |      | tolerances unless otherwise specified |            |            |  | CUSTOMER   |  |  |        | FCJ<br>www.fcjconnect.com                      |                |  |  |  |  |  |  |  |  |  |  |
| ltr         | ecr no.        | dr | date | linear                                | 0.X ±0.3   |            |  | COPY       |  |  |        | title  |                |  |  |  |  |  |  |  |  |  |  |
| AH          |                |    |      |                                       | 0.XX ±0.13 |            |  | projection |  |  |        | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |                |  |  |  |  |  |  |  |  |  |  |
|             |                |    |      |                                       | angles     | .XXX ±.051 |  |            |  |  |        |  | product family |  |  |  |  |  |  |  |  |  |  |
|             |                |    |      | 0° ±2°                                |            |            |  |            |  |  | METRAL |  |                |  |  |  |  |  |  |  |  |  |  |
|             |                |    |      | dr                                    | T.BRUNGARD | 11/19/99   |  | MM         |  |  |        | code   |                |  |  |  |  |  |  |  |  |  |  |
|             |                |    |      | enr                                   | M.STRAWSER | 11/19/99   |  | A          |  |  |        | 213  |                |  |  |  |  |  |  |  |  |  |  |
|             |                |    |      | chr                                   | M.STRAWSER | 11/19/99   |  | 1:1        |  |  |        | sheet  |                |  |  |  |  |  |  |  |  |  |  |
|             |                |    |      | appd                                  | M.STRAWSER | 02/29/00   |  | 70234      |  |  |        | 9  |                |  |  |  |  |  |  |  |  |  |  |
| sheet index | revision sheet |    |      |                                       |            |            |  |            |  |  |        |  |                |  |  |  |  |  |  |  |  |  |  |

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| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X80<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8 | 8 | 8 | 8 | 8      | 8 | 8 | 8 | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X81<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X82<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | B   | 8                   | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  |
|   | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X83<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X84<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X85<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X86<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|   | C   | 5                   | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | A   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X87<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | B   | 20                  | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20     | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X88<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | C   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
|   | B   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | A   | 5                   | 5 | 5 | 5 | 5 | 5      | 5 | 5 | 5 | 5  | 5      | 5  | 5  | 5  | 5  | 5      | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |    |
|---|-----|---------------------|---|---|---|---|--------|---|---|---|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|
|   |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 70234-X89<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7 | 7 | 7 | 7 | 7      | 7 | 7 | 7 | 7  | 7      | 7  | 7  | 7  | 7  | 7      | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |
|   | C   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
|   | A   | 6                   | 6 | 6 | 6 | 6 | 6      | 6 | 6 | 6 | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |

|             |                |    |      |                                       |            |          |  |            |        |  |  |  |       |  |  |  |  |
|-------------|----------------|----|------|---------------------------------------|------------|----------|--|------------|--------|--|--|--|-------|--|--|--|--|
| mat'l code  |                |    |      | tolerances unless otherwise specified |            |          |  | CUSTOMER   |        |  |  | FCJ<br>www.fcjconnect.com                      |       |  |  |  |  |
| ltr         | ecr no.        | dr | date | linear                                | 0.X ±0.3   |          |  | COPY       |        |  |  | title  |       |  |  |  |  |
| AH          |                |    |      |                                       | 0.XX ±0.13 |          |  | projection |        |  |  | METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |       |  |  |  |  |
|             |                |    |      |                                       | .XXX ±.051 |          |  |            |        |  |  | product family                                 |       |  |  |  |  |
|             |                |    |      | angles                                | 0° ±2°     |          |  |            |        |  |  | METRAL   |       |  |  |  |  |
|             |                |    |      | dr                                    | T.BRUNGARD | 11/19/99 |  |            | size   |  |  |  | code  |  |  |  |  |
|             |                |    |      | engr                                  | M.STRAWSER | 11/19/99 |  |            | dwg no |  |  |  | 213   |  |  |  |  |
|             |                |    |      | chr                                   | M.STRAWSER | 11/19/99 |  |            | A      |  |  |  | sheet |  |  |  |  |
|             |                |    |      | appd                                  | M.STRAWSER | 02/29/00 |  |            | 70234  |  |  |  | 10    |  |  |  |  |
| sheet index | revision sheet |    |      |                                       |            |          |  |            |        |  |  |  |       |  |  |  |  |

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| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X90<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X91<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | B   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X92<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
|   | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X93<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X94<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X95<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X96<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|   | C   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | B   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | A   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X97<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | B   | 21                  | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21     | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X98<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | C   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | A   | 9                   | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9      | 9  | 9  | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 70234-X99<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11     | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|   | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

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

|                |
|----------------|
| PRODUCT NUMBER |
| 70234-XXX      |
| 70234-XXYLF    |

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL:  
PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT TAIL:  
70234 -XXX IS SnPb  
70234-XXYLF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.
5. PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
6. 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
7. PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
9. -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE).
10. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX. EXAMPLE: 70234-X01LF
12. 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.

A

A



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B

B

|             |                |      |            |          |            |                                       |            |          |  |                    |       |
|-------------|----------------|------|------------|----------|------------|---------------------------------------|------------|----------|--|--------------------|-------|
| mat'l code  |                |      |            | --       |            | tolerances unless otherwise specified |            | CUSTOMER |  | www.fciconnect.com |       |
| ltr         | ecr no.        | dr   | date       | linear   | 0.X ±0.3   |                                       | COPY       |          | title METRAL SIGNAL HEADER<br>4 MOD, 4 ROW PRESS-FIT |                    |       |
| AH          |                |      |            |          | 0.XX ±0.13 |                                       | projection |          |  |                    |       |
|             |                |      |            |          | .XXX ±.051 |                                       |            |          |  |                    |       |
|             |                |      |            | angles   | 0° ±2°     |                                       |            |          | product family METRAL code                           |                    |       |
|             |                | dr   | T.BRUNGARD | 11/19/99 |            |                                       | size       |          | dwg no   |                    | 213   |
|             |                | engr | M.STRAWSER | 11/19/99 |            |                                       | A          |          | 70234  |                    | sheet |
|             |                | chr  | M.STRAWSER | 11/19/99 |            |                                       | scale      |          | 1:1  |                    | 12    |
|             |                | appd | M.STRAWSER | 02/29/00 |            |                                       |            |          |  |                    |       |
| sheet index | revision sheet |      |            |          |            |                                       |            |          |  |                    |       |



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