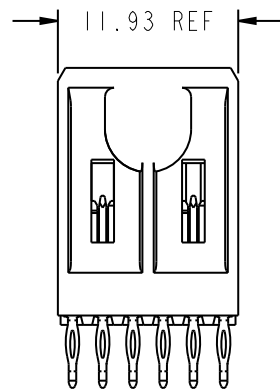
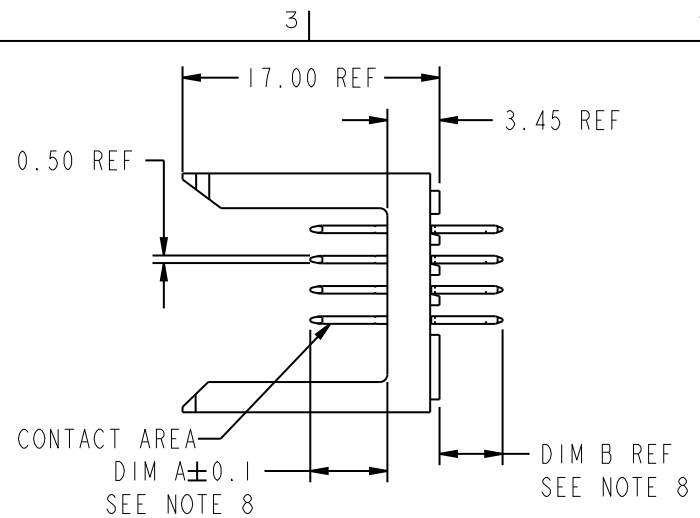
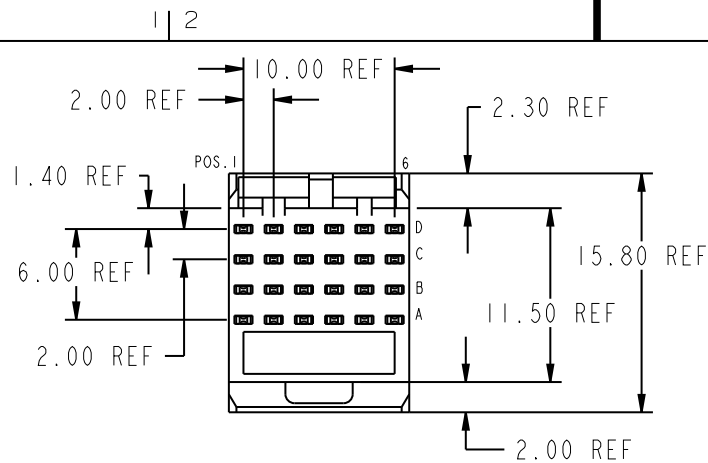


PRODUCT NUMBER  
70232-XYX  
70232-XYLF



| PLATING IN CONTACT AREA |                                   |             |
|-------------------------|-----------------------------------|-------------|
| DASH NUMBER             | PERFORMANCE LEVEL                 | NOTES       |
| -AYY                    | TELCORDIA CO                      | SEE NOTE 9  |
| -NIYY                   | TELCORDIA CO (NXT)                | -           |
| -N5YY                   | TELCORDIA UE (NXT)                | -           |
| -1YY                    | 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 |
| -1YYLF                  | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2YYLF                  | TELECOM CLASS                     | SEE NOTE 10 |
| -5YYLF                  | TELCORDIA UE                      | SEE NOTE 10 |

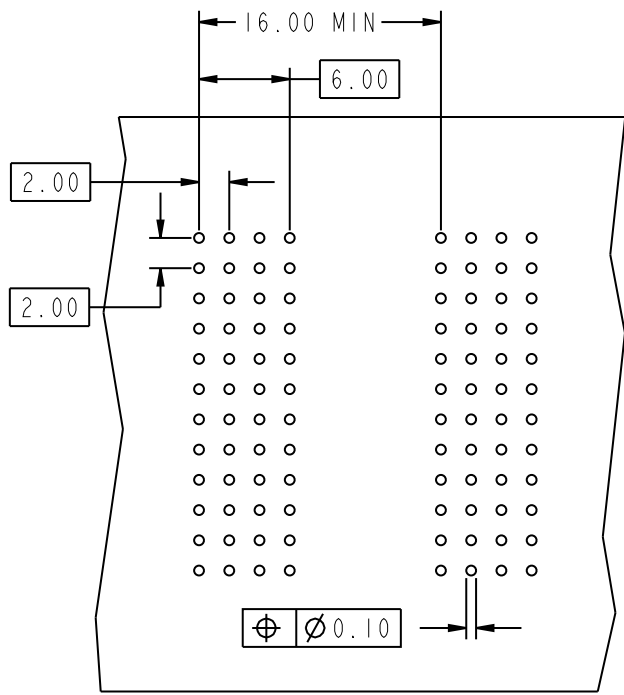
|            |           |     |            |                                       |            |          |            |          |   |                           |  |
|------------|-----------|-----|------------|---------------------------------------|------------|----------|------------|----------|---|---------------------------|--|
| mat'l code |           |     |            | tolerances unless otherwise specified |            |          |            | CUSTOMER |   | FCJ<br>www.fcjconnect.com |  |
| ltr        | ecr no.   | dr  | date       | linear                                | 0.X ±0.3   |          | COPY       |          | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |                           |  |
| AL         | V06-0498  | DCH | 2006-05-31 |                                       | 0.XX ±0.13 |          | projection |          |   |                           |  |
| AM         | DG09-0256 | TER | 2009-08-19 |                                       | .XXX ±.051 |          |            |          |   |                           |  |
| -          | -         | -   | -          | angles                                | 0° ±2°     |          |            |          | product family<br>METRAL code                           |                           |  |
| AG         | V04-0554  | TAB | 06/07/04   | dr                                    | T.BRUNGARD | 11/19/99 | MM         |          | size  | 213                       |  |
| AH         | V05-0079  | HTB | 02/03/05   | engr                                  | M.STRAWSER | 11/19/99 | ←→         |          | dwg no  | 70232                     |  |
| AJ         | V05-0359  | DAI | 04/21/05   | chr                                   | M.STRAWSER | 11/19/99 | scale      |          | A   | 1 of 8                    |  |
| AK         | V05-1030  | LP  | 11/18/05   | appd                                  | M.STRAWSER | 02/29/00 | 2:1        |          |   |                           |  |
| sheet      | revision  | AM  | AM         | AM                                    | AM         | AM       | AM         | AM       | cage code<br>22526                                      |                           |  |
| index      | sheet     | 1   | 2          | 3                                     | 4          | 5        | 6          | 7        | 8   | 4                         |  |

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4



| KEY  |              |              |
|------|--------------|--------------|
| CODE | DIMENSIONS   |              |
|      | DIM "A" MATE | DIM "B" TAIL |
| 1    | 5.00         | 4.30         |
| 2    | 5.75         | 4.30         |
| 3    | 6.50         | 4.30         |
| 4    | 7.25         | 4.30         |
| 5    | 5.00         | 13.60        |
| 6    | 5.75         | 13.60        |
| 7    | 6.50         | 13.60        |
| 8    | 7.25         | 13.60        |
| 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        |

REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE

SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION



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|-------------|----------------|----|------|---------------------------------------|------------|----------|-----|------------------------|-----------|---|
| mat'l code  |                |    |      | tolerances unless otherwise specified |            | CUSTOMER |     | <br>www.fcjconnect.com |           |   |
| ltr         | ecm no.        | dr | date | linear                                | 0.X ±0.3   | COPY     |     | projection             |           |   |
| AM          |                |    |      |                                       | 0.XX ±0.13 | MM       |     |                        |           | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |
|             |                |    |      |                                       | .XXX ±.051 |          |     |                        |           |   |
|             |                |    |      | angles                                | 0° ±2°     | scale    |     | product family         | code      |   |
|             |                |    |      | dr                                    | T.BRUNGARD | 11/19/99 | 1:1 | size                   | 213       |   |
|             |                |    |      | engr                                  | M.STRAWSER | 11/19/99 |     | dwg no                 | 70232     |   |
|             |                |    |      | chr                                   | M.STRAWSER | 11/19/99 |     | A                      | sheet     | 2   |
|             |                |    |      | appd                                  | M.STRAWSER | 02/29/00 |     |                        | cage code |   |
| sheet index | revision sheet |    |      |                                       |            |          |     |                        |           |   |

1 | 2

Pro/E

3 |

cage code 22526

4



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| METRAL P/N                         | ROW | CONTACT CODE MOD. I |   |   |   |   |   |
|------------------------------------|-----|---------------------|---|---|---|---|---|
|                                    |     | 1                   | 2 | 3 | 4 | 5 | 6 |
| 70232-X10                          | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | A   | 3                   | 3 | 3 | 3 | 3 | 3 |
| 70232-X11                          | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|                                    | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|                                    | A   | 1                   | 1 | 1 | 1 | 1 | 1 |
| 70232-X12                          | D   | 1                   | 1 | 1 | 1 | 1 | 1 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|                                    | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|                                    | A   | 3                   | 3 | 3 | 3 | 3 | 3 |
| 70232-X13                          | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | A   | 3                   | 3 | 3 | 3 | 3 | 3 |
| 70232-X14                          | D   | 4                   | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|                                    | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|                                    | A   | 4                   | 4 | 4 | 4 | 4 | 4 |
| 70232-X15                          | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 3                   | 3 | 3 | 3 | 3 | 3 |
|                                    | B   | 3                   | 3 | 3 | 3 | 3 | 3 |
|                                    | A   | 3                   | 3 | 3 | 3 | 3 | 3 |
| 70232-X16                          | D   | 2                   | 2 | 2 | 2 | 2 | 2 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | A   | 2                   | 2 | 2 | 2 | 2 | 2 |
| 70232-X17                          | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | B   | 2                   | 2 | 2 | 2 | 2 | 2 |
|                                    | A   | 1                   | 1 | 1 | 1 | 1 | 1 |
| 70232-X18                          | D   | 3                   | 3 | 3 | 3 | 3 | 3 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 1                   | 1 | 1 | 1 | 1 | 1 |
|                                    | B   | 1                   | 1 | 1 | 1 | 1 | 1 |
|                                    | A   | 1                   | 1 | 1 | 1 | 1 | 1 |
| 70232-X19                          | D   | 4                   | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 4                   | 4 | 4 | 4 | 4 | 4 |
|                                    | B   | 4                   | 4 | 4 | 4 | 4 | 4 |
|                                    | A   | 4                   | 4 | 4 | 4 | 4 | 4 |
| 70232-X20                          | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | A   | 7                   | 7 | 7 | 7 | 7 | 7 |
| 70232-X21                          | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|                                    | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|                                    | A   | 5                   | 5 | 5 | 5 | 5 | 5 |
| 70232-X22                          | D   | 5                   | 5 | 5 | 5 | 5 | 5 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|                                    | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|                                    | A   | 7                   | 7 | 7 | 7 | 7 | 7 |
| 70232-X23                          | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | A   | 7                   | 7 | 7 | 7 | 7 | 7 |
| 70232-X24                          | D   | 8                   | 8 | 8 | 8 | 8 | 8 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|                                    | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|                                    | A   | 8                   | 8 | 8 | 8 | 8 | 8 |
| 70232-X25                          | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 7                   | 7 | 7 | 7 | 7 | 7 |
|                                    | B   | 7                   | 7 | 7 | 7 | 7 | 7 |
|                                    | A   | 7                   | 7 | 7 | 7 | 7 | 7 |
| 70232-X26                          | D   | 6                   | 6 | 6 | 6 | 6 | 6 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | A   | 6                   | 6 | 6 | 6 | 6 | 6 |
| 70232-X27                          | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | B   | 6                   | 6 | 6 | 6 | 6 | 6 |
|                                    | A   | 5                   | 5 | 5 | 5 | 5 | 5 |
| 70232-X28                          | D   | 7                   | 7 | 7 | 7 | 7 | 7 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 5                   | 5 | 5 | 5 | 5 | 5 |
|                                    | B   | 5                   | 5 | 5 | 5 | 5 | 5 |
|                                    | A   | 5                   | 5 | 5 | 5 | 5 | 5 |
| 70232-X29                          | D   | 8                   | 8 | 8 | 8 | 8 | 8 |
| SEE NOTE 11<br>LEAD FREE<br>OPTION | C   | 8                   | 8 | 8 | 8 | 8 | 8 |
|                                    | B   | 8                   | 8 | 8 | 8 | 8 | 8 |
|                                    | A   | 8                   | 8 | 8 | 8 | 8 | 8 |

|             |                |    |      |                                       |                     |                     |  |   |  |
|-------------|----------------|----|------|---------------------------------------|---------------------|---------------------|--|---|--|
| mat'l code  |                |    |      | tolerances unless otherwise specified |                     | CUSTOMER            |  | www.fciconnect.com  |  |
| ltr         | ecn no.        | dr | date | linear                                | 0.X ±0.3            | COPY                |  |   |  |
| AM          |                |    |      | angles                                | 0.XX ±0.13          | projection          |  | title<br><b>METRAL SIGNAL HEADER</b><br><b>1 MOD, 4 ROW PRESS-FIT</b> |  |
|             |                |    |      |                                       | .XXX ±.051          |                     |  |   |  |
|             |                |    |      | dr                                    | 0° ±2°              |                     |  | product family<br><b>METRAL</b>                                       |  |
|             |                |    |      | engr                                  | T.BRUNGARD 11/19/99 | size<br><b>MM</b>   |  |   |  |
|             |                |    |      | chr                                   | M.STRAWSER 11/19/99 | scale<br><b>1:1</b> |  | code<br><b>213</b>  |  |
|             |                |    |      | appd                                  | M.STRAWSER 02/29/00 | sheet<br><b>3</b>   |  |   |  |
| sheet index | revision sheet |    |      |                                       |                     |                     |  | cage code<br><b>70232</b>   |  |

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| METRAL P/N                   |   | CONTACT CODE MOD. 1 |    |    |    |    |    | METRAL P/N                   |   | CONTACT CODE MOD. 1 |    |    |    |    |    | METRAL P/N                   |   | CONTACT CODE MOD. 1 |    |    |    |    |    | METRAL P/N                   |   | CONTACT CODE MOD. 1 |   |   |   |   |                              |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |
|------------------------------|---|---------------------|----|----|----|----|----|------------------------------|---|---------------------|----|----|----|----|----|------------------------------|---|---------------------|----|----|----|----|----|------------------------------|---|---------------------|---|---|---|---|------------------------------|------------------------------|----|----|----|----|----|----|------------------------------|------------------------------|----|----|----|----|----|----|------------------------------|------------------------------|----|----|----|----|----|----|------------------------------|------------------------------|----|----|----|----|----|----|------------------------------|------------------------------|----|----|----|----|----|----|-----------|-----------|---|---|---|---|---|---|---|
| ROW                          |   | 1                   | 2  | 3  | 4  | 5  | 6  | ROW                          |   | 1                   | 2  | 3  | 4  | 5  | 6  | ROW                          |   | 1                   | 2  | 3  | 4  | 5  | 6  | ROW                          |   | 1                   | 2 | 3 | 4 | 5 | 6                            | ROW                          |    | 1  | 2  | 3  | 4  | 5  | 6                            | ROW                          |    | 1  | 2  | 3  | 4  | 5  | 6                            |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |
| 70232-X30                    | D | 9                   | 9  | 9  | 9  | 9  | 9  | 70232-X34                    | D | 12                  | 12 | 12 | 12 | 12 | 12 | 70232-X38                    | D | 11                  | 11 | 11 | 11 | 11 | 11 | 70232-X42                    | D | 1                   | 1 | 1 | 1 | 1 | 1                            | 70232-X46                    | D  | 19 | 19 | 19 | 19 | 19 | 19                           | 70232-X31                    | D  | 9  | 9  | 9  | 9  | 9  | 9                            | 70232-X35                    | D  | 11 | 11 | 11 | 11 | 11 | 11                           | 70232-X39                    | D  | 12 | 12 | 12 | 12 | 12 | 12                           | 70232-X43                    | D  | 13 | 13 | 13 | 13 | 13 | 13        | 70232-X47 | D | 4 | 4 | 4 | 4 | 4 | 4 |
| SEE NOTE 11 LEAD FREE OPTION | C | 10                  | 10 | 10 | 10 | 10 | 10 | SEE NOTE 11 LEAD FREE OPTION | C | 11                  | 11 | 11 | 11 | 11 | 11 | SEE NOTE 11 LEAD FREE OPTION | C | 9                   | 9  | 9  | 9  | 9  | 9  | SEE NOTE 11 LEAD FREE OPTION | C | 1                   | 1 | 1 | 1 | 1 | 1                            | SEE NOTE 11 LEAD FREE OPTION | C  | 3  | 3  | 3  | 3  | 3  | 3                            | SEE NOTE 11 LEAD FREE OPTION | C  | 9  | 9  | 9  | 9  | 9  | 9                            | SEE NOTE 11 LEAD FREE OPTION | C  | 12 | 12 | 12 | 12 | 12 | 12                           | SEE NOTE 11 LEAD FREE OPTION | C  | 3  | 3  | 3  | 3  | 3  | 3                            | SEE NOTE 11 LEAD FREE OPTION | C  | 4  | 4  | 4  | 4  | 4  | 4         |           |   |   |   |   |   |   |   |
|                              | B | 10                  | 10 | 10 | 10 | 10 | 10 |                              | B | 11                  | 11 | 11 | 11 | 11 | 11 |                              | B | 9                   | 9  | 9  | 9  | 9  | 9  |                              | B | 1                   | 1 | 1 | 1 | 1 |                              | B                            | 3  | 3  | 3  | 3  | 3  | 3  |                              | B                            | 9  | 9  | 9  | 9  | 9  | 9  |                              | B                            | 12 | 12 | 12 | 12 | 12 | 12 |                              | B                            | 3  | 3  | 3  | 3  | 3  | 3  |                              | B                            | 13 | 13 | 13 | 13 | 13 | 13 |           |           |   |   |   |   |   |   |   |
|                              | A | 11                  | 11 | 11 | 11 | 11 | 11 |                              | A | 12                  | 12 | 12 | 12 | 12 | 12 |                              | A | 9                   | 9  | 9  | 9  | 9  | 9  |                              | A | 2                   | 2 | 2 | 2 | 2 |                              | A                            | 3  | 3  | 3  | 3  | 3  | 3  |                              | A                            | 9  | 9  | 9  | 9  | 9  | 9  |                              | A                            | 12 | 12 | 12 | 12 | 12 | 12 |                              | A                            | 3  | 3  | 3  | 3  | 3  | 3  |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |
| 70232-X32                    | D | 9                   | 9  | 9  | 9  | 9  | 9  | 70232-X36                    | D | 10                  | 10 | 10 | 10 | 10 | 10 | 70232-X40                    | D | 2                   | 2  | 2  | 2  | 2  | 2  | 70232-X44                    | D | 2                   | 2 | 2 | 2 | 2 | 70232-X48                    | D                            | 19 | 19 | 19 | 19 | 19 | 19 | 70232-X33                    | D                            | 11 | 11 | 11 | 11 | 11 | 11 | 70232-X37                    | D                            | 11 | 11 | 11 | 11 | 11 | 11 | 70232-X41                    | D                            | 2  | 2  | 2  | 2  | 2  | 2  | 70232-X45                    | D                            | 1  | 1  | 1  | 1  | 1  | 1  | 70232-X49 | D         | 4 | 4 | 4 | 4 | 4 | 4 |   |
| SEE NOTE 11 LEAD FREE OPTION | C | 9                   | 9  | 9  | 9  | 9  | 9  | SEE NOTE 11 LEAD FREE OPTION | C | 10                  | 10 | 10 | 10 | 10 | 10 | SEE NOTE 11 LEAD FREE OPTION | C | 2                   | 2  | 2  | 2  | 2  | 2  | SEE NOTE 11 LEAD FREE OPTION | C | 3                   | 3 | 3 | 3 | 3 | SEE NOTE 11 LEAD FREE OPTION | C                            | 19 | 19 | 19 | 19 | 19 | 19 | SEE NOTE 11 LEAD FREE OPTION | C                            | 10 | 10 | 10 | 10 | 10 | 10 | SEE NOTE 11 LEAD FREE OPTION | C                            | 2  | 2  | 2  | 2  | 2  | 2  | SEE NOTE 11 LEAD FREE OPTION | C                            | 2  | 2  | 2  | 2  | 2  | 2  | SEE NOTE 11 LEAD FREE OPTION | C                            | 4  | 4  | 4  | 4  | 4  | 4  |           |           |   |   |   |   |   |   |   |
|                              | B | 9                   | 9  | 9  | 9  | 9  | 9  |                              | B | 10                  | 10 | 10 | 10 | 10 | 10 |                              | B | 4                   | 4  | 4  | 4  | 4  | 4  |                              | B | 4                   | 4 | 4 | 4 | 4 |                              | B                            | 19 | 19 | 19 | 19 | 19 | 19 |                              | B                            | 9  | 9  | 9  | 9  | 9  | 9  |                              | B                            | 10 | 10 | 10 | 10 | 10 | 10 |                              | B                            | 3  | 3  | 3  | 3  | 3  | 3  |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |
|                              | A | 11                  | 11 | 11 | 11 | 11 | 11 |                              | A | 10                  | 10 | 10 | 10 | 10 | 10 |                              | A | 2                   | 2  | 2  | 2  | 2  | 2  |                              | A | 3                   | 3 | 3 | 3 | 3 |                              | A                            | 19 | 19 | 19 | 19 | 19 | 19 |                              | A                            | 11 | 11 | 11 | 11 | 11 | 11 |                              | A                            | 2  | 2  | 2  | 2  | 2  | 2  |                              | A                            | 4  | 4  | 4  | 4  | 4  | 4  |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |
| 70232-X30                    | D | 9                   | 9  | 9  | 9  | 9  | 9  | 70232-X34                    | D | 12                  | 12 | 12 | 12 | 12 | 12 | 70232-X38                    | D | 11                  | 11 | 11 | 11 | 11 | 11 | 70232-X42                    | D | 1                   | 1 | 1 | 1 | 1 | 70232-X46                    | D                            | 19 | 19 | 19 | 19 | 19 | 19 | 70232-X31                    | D                            | 9  | 9  | 9  | 9  | 9  | 9  | 70232-X35                    | D                            | 11 | 11 | 11 | 11 | 11 | 11 | 70232-X39                    | D                            | 12 | 12 | 12 | 12 | 12 | 12 | 70232-X43                    | D                            | 13 | 13 | 13 | 13 | 13 | 13 | 70232-X47 | D         | 4 | 4 | 4 | 4 | 4 | 4 |   |
| SEE NOTE 11 LEAD FREE OPTION | C | 10                  | 10 | 10 | 10 | 10 | 10 | SEE NOTE 11 LEAD FREE OPTION | C | 11                  | 11 | 11 | 11 | 11 | 11 | SEE NOTE 11 LEAD FREE OPTION | C | 9                   | 9  | 9  | 9  | 9  | 9  | SEE NOTE 11 LEAD FREE OPTION | C | 1                   | 1 | 1 | 1 | 1 | SEE NOTE 11 LEAD FREE OPTION | C                            | 3  | 3  | 3  | 3  | 3  | 3  | SEE NOTE 11 LEAD FREE OPTION | C                            | 9  | 9  | 9  | 9  | 9  | 9  | SEE NOTE 11 LEAD FREE OPTION | C                            | 12 | 12 | 12 | 12 | 12 | 12 | SEE NOTE 11 LEAD FREE OPTION | C                            | 3  | 3  | 3  | 3  | 3  | 3  | SEE NOTE 11 LEAD FREE OPTION | C                            | 4  | 4  | 4  | 4  | 4  | 4  |           |           |   |   |   |   |   |   |   |
|                              | B | 10                  | 10 | 10 | 10 | 10 | 10 |                              | B | 11                  | 11 | 11 | 11 | 11 | 11 |                              | B | 9                   | 9  | 9  | 9  | 9  | 9  |                              | B | 1                   | 1 | 1 | 1 | 1 |                              | B                            | 3  | 3  | 3  | 3  | 3  | 3  |                              | B                            | 9  | 9  | 9  | 9  | 9  | 9  |                              | B                            | 12 | 12 | 12 | 12 | 12 | 12 |                              | B                            | 3  | 3  | 3  | 3  | 3  | 3  |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |
|                              | A | 11                  | 11 | 11 | 11 | 11 | 11 |                              | A | 12                  | 12 | 12 | 12 | 12 | 12 |                              | A | 9                   | 9  | 9  | 9  | 9  | 9  |                              | A | 2                   | 2 | 2 | 2 | 2 |                              | A                            | 3  | 3  | 3  | 3  | 3  | 3  |                              | A                            | 9  | 9  | 9  | 9  | 9  | 9  |                              | A                            | 12 | 12 | 12 | 12 | 12 | 12 |                              |                              |    |    |    |    |    |    |                              |                              |    |    |    |    |    |    |           |           |   |   |   |   |   |   |   |

|             |                |    |      |                                       |            |          |       |          |                |           |       |                    |  |
|-------------|----------------|----|------|---------------------------------------|------------|----------|-------|----------|----------------|-----------|-------|--------------------|--|
| mat'l code  |                |    |      | tolerances unless otherwise specified |            |          |       | CUSTOMER |                | FCJ       |       | www.fcjconnect.com |  |
| ltr         | ecr no.        | dr | date | linear                                | 0.X ±0.3   |          | COPY  |          | projection     |           | title |                    |  |
| AM          |                |    |      |                                       | 0.XX ±0.13 |          | MM    |          |                |           |       |                    |  |
|             |                |    |      |                                       | .XXX ±.051 |          | 1:1   |          |                |           |       |                    |  |
|             |                |    |      | angles                                | 0° ±2°     |          | scale |          | product family |           | code  |                    |  |
|             |                |    |      | dr                                    | T.BRUNGARD | 11/19/99 | A     |          | METRAL         |           | 213   |                    |  |
|             |                |    |      | engr                                  | M.STRAWSER | 11/19/99 | A     |          | size           |           | sheet |                    |  |
|             |                |    |      | chr                                   | M.STRAWSER | 11/19/99 | A     |          | dwg no         |           | 4     |                    |  |
|             |                |    |      | appd                                  | M.STRAWSER | 02/29/00 | A     |          | 70232          |           | 4     |                    |  |
| sheet index | revision sheet |    |      |                                       |            |          |       |          |                | cage code | 22526 |                    |  |



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| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X50<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | B   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | A   | 6                   | 6  | 6  | 6  | 6  | 6  |
| 70232-X51<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | A   | 8                   | 8  | 8  | 8  | 8  | 8  |
| 70232-X52<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | C   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | A   | 6                   | 6  | 6  | 6  | 6  | 6  |
| 70232-X53<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 14                  | 14 | 14 | 14 | 14 | 14 |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X54<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X55<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | C   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 8                   | 8  | 8  | 8  | 8  | 8  |
| 70232-X56<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                  | 20 | 20 | 20 | 20 | 20 |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X57<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | C   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | B   | 14                  | 14 | 14 | 14 | 14 | 14 |
|   | A   | 14                  | 14 | 14 | 14 | 14 | 14 |
| 70232-X58<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                  | 20 | 20 | 20 | 20 | 20 |
|   | C   | 20                  | 20 | 20 | 20 | 20 | 20 |
|   | B   | 20                  | 20 | 20 | 20 | 20 | 20 |
|   | A   | 20                  | 20 | 20 | 20 | 20 | 20 |
| 70232-X59<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X60<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | A   | 10                  | 10 | 10 | 10 | 10 | 10 |
| 70232-X61<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | A   | 12                  | 12 | 12 | 12 | 12 | 12 |
| 70232-X62<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | A   | 10                  | 10 | 10 | 10 | 10 | 10 |
| 70232-X63<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 15                  | 15 | 15 | 15 | 15 | 15 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |
| 70232-X64<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |
| 70232-X65<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 12                  | 12 | 12 | 12 | 12 | 12 |
| 70232-X66<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 21                  | 21 | 21 | 21 | 21 | 21 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |
| 70232-X67<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | C   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | B   | 15                  | 15 | 15 | 15 | 15 | 15 |
|   | A   | 15                  | 15 | 15 | 15 | 15 | 15 |
| 70232-X68<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 21                  | 21 | 21 | 21 | 21 | 21 |
|   | C   | 21                  | 21 | 21 | 21 | 21 | 21 |
|   | B   | 21                  | 21 | 21 | 21 | 21 | 21 |
|   | A   | 21                  | 21 | 21 | 21 | 21 | 21 |
| 70232-X69<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X53<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 14                  | 14 | 14 | 14 | 14 | 14 |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X57<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | C   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | B   | 14                  | 14 | 14 | 14 | 14 | 14 |
|   | A   | 14                  | 14 | 14 | 14 | 14 | 14 |
| 70232-X61<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | A   | 12                  | 12 | 12 | 12 | 12 | 12 |
| 70232-X65<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 12                  | 12 | 12 | 12 | 12 | 12 |
| 70232-X69<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

|             |                |    |      |                                       |                     |            |                           |        |
|-------------|----------------|----|------|---------------------------------------|---------------------|------------|---------------------------|--------|
| mat'l code  |                |    |      | tolerances unless otherwise specified |                     | CUSTOMER   | FCI<br>www.fciconnect.com |        |
| ltr         | ecr no.        | dr | date | linear                                | 0.X ±0.3            | COPY       | title                     |        |
| AM          |                |    |      | angles                                | 0.XX ±0.13          | projection | METRAL SIGNAL HEADER      |        |
|             |                |    |      |                                       | .XXX ±.051          |            | 1 MOD, 4 ROW PRESS-FIT    |        |
|             |                |    |      | dr                                    | 0° ±2°              |            | product family            | METRAL |
|             |                |    |      | engr                                  | T.BRUNGARD 11/19/99 | scale      | size                      | code   |
|             |                |    |      | chr                                   | M.STRAWSER 11/19/99 | 1:1        | dwg no                    | 213    |
|             |                |    |      | appd                                  | M.STRAWSER 02/29/00 |            | 70232                     | sheet  |
| sheet index | revision sheet |    |      |                                       |                     |            |                           | 5      |



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| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X70<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                   | 4  | 4  | 4  | 4  | 4  |
|   | C   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | A   | 2                   | 2  | 2  | 2  | 2  | 2  |
| 70232-X74<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | B   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | A   | 3                   | 3  | 3  | 3  | 3  | 3  |
| 70232-X78<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                   | 1  | 1  | 1  | 1  | 1  |
|   | C   | 1                   | 1  | 1  | 1  | 1  | 1  |
|   | B   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | A   | 1                   | 1  | 1  | 1  | 1  | 1  |
| 70232-X82<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | B   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | A   | 20                  | 20 | 20 | 20 | 20 | 20 |
| 70232-X86<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 20                  | 20 | 20 | 20 | 20 | 20 |
|   | C   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | B   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | A   | 20                  | 20 | 20 | 20 | 20 | 20 |
| 70232-X71<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | B   | 1                   | 1  | 1  | 1  | 1  | 1  |
|   | A   | 3                   | 3  | 3  | 3  | 3  | 3  |
| 70232-X75<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | C   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | A   | 3                   | 3  | 3  | 3  | 3  | 3  |
| 70232-X79<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | C   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | B   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | A   | 2                   | 2  | 2  | 2  | 2  | 2  |
| 70232-X83<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X87<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 20                  | 20 | 20 | 20 | 20 | 20 |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X72<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | C   | 4                   | 4  | 4  | 4  | 4  | 4  |
|   | B   | 4                   | 4  | 4  | 4  | 4  | 4  |
|   | A   | 19                  | 19 | 19 | 19 | 19 | 19 |
| 70232-X76<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                  | 19 | 19 | 19 | 19 | 19 |
|   | C   | 1                   | 1  | 1  | 1  | 1  | 1  |
|   | B   | 1                   | 1  | 1  | 1  | 1  | 1  |
|   | A   | 19                  | 19 | 19 | 19 | 19 | 19 |
| 70232-X80<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                   | 8  | 8  | 8  | 8  | 8  |
|   | C   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | A   | 6                   | 6  | 6  | 6  | 6  | 6  |
| 70232-X84<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X88<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | C   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | B   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | A   | 5                   | 5  | 5  | 5  | 5  | 5  |
| 70232-X73<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | B   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | A   | 3                   | 3  | 3  | 3  | 3  | 3  |
| 70232-X77<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                   | 2  | 2  | 2  | 2  | 2  |
|   | C   | 3                   | 3  | 3  | 3  | 3  | 3  |
|   | B   | 19                  | 19 | 19 | 19 | 19 | 19 |
|   | A   | 3                   | 3  | 3  | 3  | 3  | 3  |
| 70232-X81<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | C   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | B   | 5                   | 5  | 5  | 5  | 5  | 5  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X85<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | C   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | A   | 7                   | 7  | 7  | 7  | 7  | 7  |
| 70232-X89<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                   | 7  | 7  | 7  | 7  | 7  |
|   | C   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | B   | 6                   | 6  | 6  | 6  | 6  | 6  |
|   | A   | 6                   | 6  | 6  | 6  | 6  | 6  |

|             |                |    |      |                                       |                     |          |  |            |  |  |  |
|-------------|----------------|----|------|---------------------------------------|---------------------|----------|--|------------|--|--|--|
| mat'l code  |                | -- |      | tolerances unless otherwise specified |                     | CUSTOMER |  | FCI        |  | www.fciconnect.com                             |  |
| ltr         | ecr no.        | dr | date | linear                                | 0.X ±0.3            | COPY     |  | projection |  | title  |  |
| AM          |                |    |      |                                       | 0.XX ±0.13          |          |  |            |  | METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |  |
|             |                |    |      | angles                                | .XXX ±.051          |          |  |            |  | product family                                 |  |
|             |                |    |      | dr                                    | 0° ±2°              |          |  | MM         |  | METRAL   |  |
|             |                |    |      | engr                                  | T.BRUNGARD 11/19/99 |          |  | ← MM →     |  | code   |  |
|             |                |    |      | chr                                   | M.STRAWSER 11/19/99 |          |  | scale      |  | 213  |  |
|             |                |    |      | appd                                  | M.STRAWSER 02/29/00 |          |  | 1:1        |  | sheet  |  |
| sheet index | revision sheet |    |      |                                       |                     |          |  | A          |  | 70232  |  |
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| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X90<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X94<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X98<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | B   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | A   | 9                   | 9  | 9  | 9  | 9  | 9  |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X91<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X95<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X99<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | C   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | A   | 10                  | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X92<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | B   | 12                  | 12 | 12 | 12 | 12 | 12 |
|   | A   | 21                  | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X96<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 21                  | 21 | 21 | 21 | 21 | 21 |
|   | C   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | B   | 9                   | 9  | 9  | 9  | 9  | 9  |
|   | A   | 21                  | 21 | 21 | 21 | 21 | 21 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X93<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | A   | 11                  | 11 | 11 | 11 | 11 | 11 |

| METRAL P/N                                      | ROW | CONTACT CODE MOD. I |    |    |    |    |    |
|---|-----|---------------------|----|----|----|----|----|
|   |     | 1                   | 2  | 3  | 4  | 5  | 6  |
| 70232-X97<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 10                  | 10 | 10 | 10 | 10 | 10 |
|   | C   | 11                  | 11 | 11 | 11 | 11 | 11 |
|   | B   | 21                  | 21 | 21 | 21 | 21 | 21 |
|   | A   | 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                                | 0.X ±0.3   | COPY     |                          | projection                | title<br>METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |             |
| AM          |                |    |      |                                       | 0.XX ±0.13 | MM       |                          |                           |   |             |
|             |                |    |      |                                       | .XXX ±.051 | 1:1      |                          |                           |   |             |
|             |                |    |      | angles                                | 0° ±2°     | scale    |                          | A                         | 70232   |             |
|             |                |    |      | dr                                    | T.BRUNGARD | 11/19/99 | product family<br>METRAL |                           |   | code<br>213 |
|             |                |    |      | engr                                  | M.STRAWSER | 11/19/99 |                          |                           |   |             |
|             |                |    |      | chr                                   | M.STRAWSER | 11/19/99 |                          | 7                         |   |             |
|             |                |    |      | appd                                  | M.STRAWSER | 02/29/00 | sheet                    |                           | 7   |             |
| sheet index | revision sheet |    |      |                                       |            |          |                          |                           |   |             |



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1 | 2

Pro/E

3 |

cage code 22526

4

|                |
|----------------|
| PRODUCT NUMBER |
| 70232-XYX      |
| 70232-XYXLF    |

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:  
70232 -XYX IS SnPb  
70232-XYXLF 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: XXXX-XXXP OR XXXX-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: 70232-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


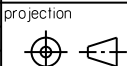
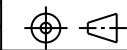

A



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B

B

|             |                |    |      |        |            |                                       |   |          |   |   |       |
|-------------|----------------|----|------|--------|------------|---------------------------------------|---|----------|---|---|-------|
| mat'l code  |                |    |      | --     |            | tolerances unless otherwise specified |   | CUSTOMER |   | <br>www.fciconnect.com |       |
| ltr         | ecr no.        | dr | date | linear | 0.X ±0.3   |                                       | COPY  |          | <br>title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |   |       |
| AM          |                |    |      |        | 0.XX ±0.13 |                                       | projection  |          |   |   |       |
|             |                |    |      |        | .XXX ±.051 |                                       |  |          |   |   |       |
|             |                |    |      | angles | 0° ±2°     |                                       |  |          | product family METRAL code  |   |       |
|             |                |    |      | dr     | T.BRUNGARD | 11/19/99                              | MM  |          | size  |   | 213   |
|             |                |    |      | engr   | M.STRAWSER | 11/19/99                              | ← MM →  |          | dwg no  |   | sheet |
|             |                |    |      | chr    | M.STRAWSER | 11/19/99                              | scale   |          | A   |   | 8     |
|             |                |    |      | appd   | M.STRAWSER | 02/29/00                              | 1:1   |          | 70232   |   |       |
| sheet index | revision sheet |    |      |        |            |                                       |   |          |   |   |       |