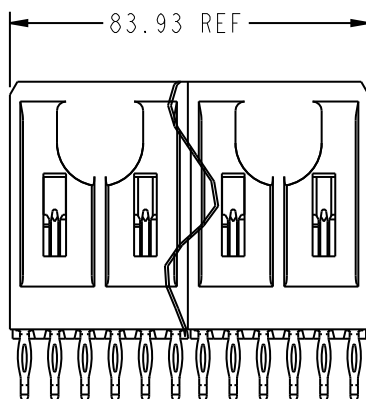
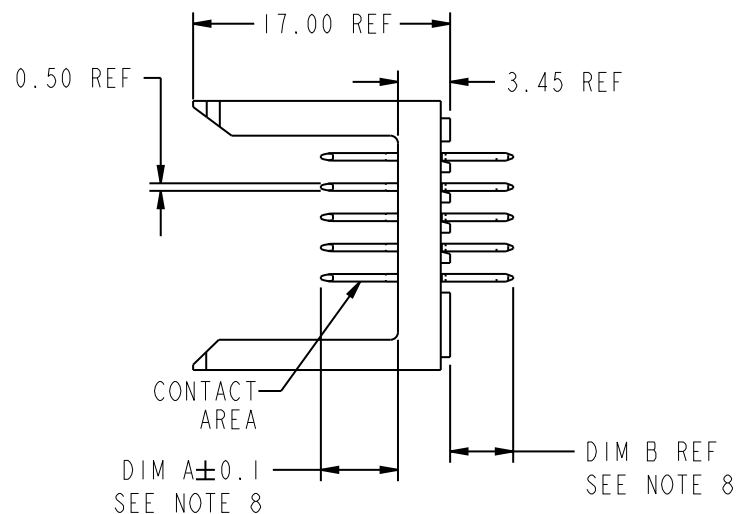
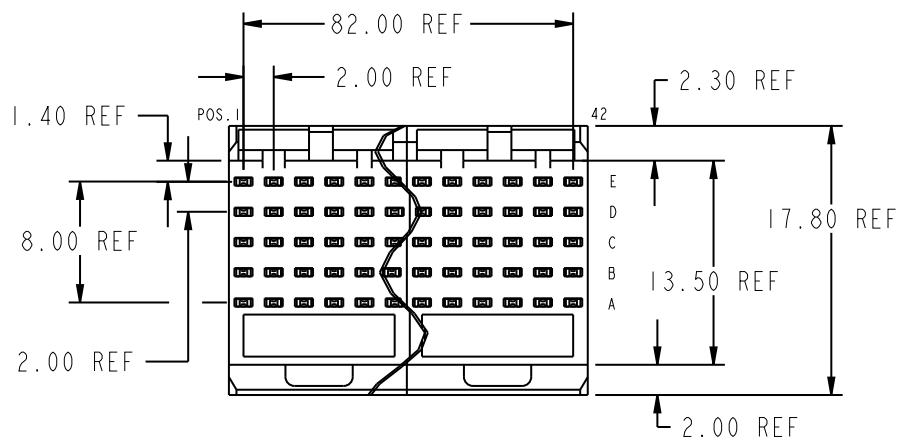
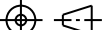




|                |
|----------------|
| PRODUCT NUMBER |
| 73935-XXXX     |
| 73935-XXXXLF   |



|             |           |          |            |        |            |          |   |                                       |                                                                                       |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
|-------------|-----------|----------|------------|--------|------------|----------|---|---------------------------------------|---------------------------------------------------------------------------------------|---|---|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|--|--|
| mat'l code  |           |          |            | --     |            |          |   | tolerances unless otherwise specified |                                                                                       |   |   | CUSTOMER |                                                                                       |                                                         |  |  www.fciconnect.com |  |  |  |
| ltr         | ecn no.   | dr       | date       | linear | 0.X ±0.3   |          |   |                                       | COPY                                                                                  |   |   |          |  | title<br>METRAL SIGNAL HEADER<br>7 MOD, 5 ROW PRESS-FIT |  |                                                                                                          |  |  |  |
| W           | V06-0544  | DCH      | 2006-05-09 |        | 0.XX ±0.13 |          |   |                                       |  |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
| X           | DG09-0256 | TER      | 2009-08-19 |        | .XXX ±.051 |          |   |                                       |                                                                                       |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
| -           | -         | -        | -          | angles | 0° ±2°     |          |   |                                       | scale                                                                                 |   |   |          | product family<br>METRAL<br>code<br>213<br>sheet<br>1 of 1                            |                                                         |  |                                                                                                          |  |  |  |
| S           | V03-0607  | HTB      | 5/28/03    | dr     | T.BRUNGARD | 11/19/99 |   | 2:1                                   |                                                                                       |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
| T           | V03-1320  | TAB      | 12/16/03   | enr    | M.STRAWER  | 11/19/99 |   |                                       |                                                                                       |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
| U           | V04-0285  | LP       | 4/7/04     | chr    | M.STRAWER  | 11/19/99 |   |                                       |                                                                                       |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
| V           | V04-1100  | DAI      | 01/18/05   | appd   | M.STRAWER  | 02/29/00 |   |                                       |                                                                                       |   |   |          |                                                                                       |                                                         |  |                                                                                                          |  |  |  |
| sheet index |           | revision |            | X      | X          | X        | X | X                                     | X                                                                                     | X | X | X        | X                                                                                     | A                                                       |  | 73935                                                                                                    |  |  |  |
| sheet       |           | sheet    |            | 1      | 2          | 3        | 4 | 5                                     | 6                                                                                     | 7 | 8 | 9        | 10                                                                                    |                                                         |  |                                                                                                          |  |  |  |

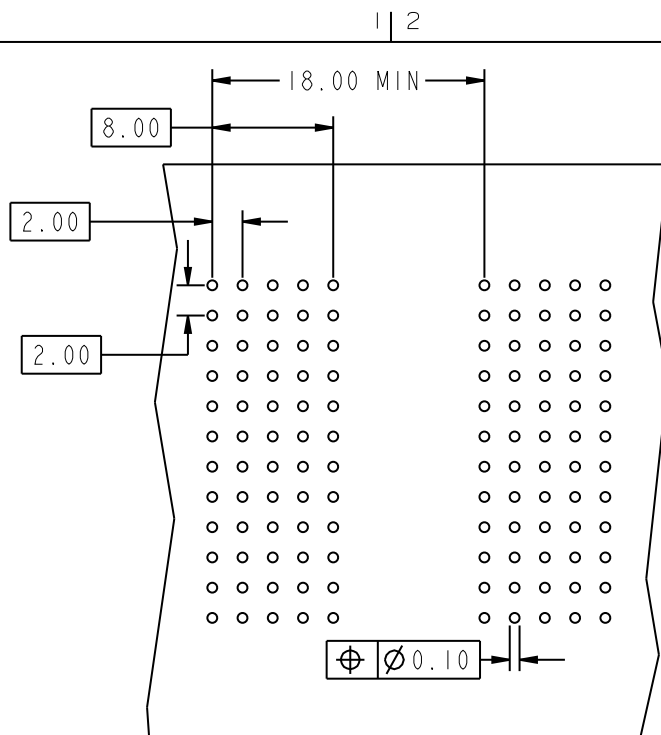
cage code 22526

Pro/E

PDM: Rev:X

STATUS: Released

Printed: Sep 16, 2009



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            |
| 6    | 5.75            | 13.60           |
| 9    | 5.00            | 17.00           |
| 10   | 5.75            | 17.00           |
| 11   | 6.50            | 17.00           |
| 12   | 7.25            | 17.00           |
| 19   | 8.00            | 4.30            |
| 25   | 5.75            | 15.60           |
| 40   | 5.00            | 15.60           |
| 41   | 6.50            | 15.60           |
| 42   | 7.25            | 15.60           |
| 59   | 5.00            | 11.80           |
| 60   | 5.75            | 11.80           |
| 61   | 6.50            | 11.80           |
| 62   | 7.25            | 11.80           |

|                |                   |    |      |                                          |            |          |           |                                                                                                       |                                                         |                    |                 |            |
|----------------|-------------------|----|------|------------------------------------------|------------|----------|-----------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------|-----------------|------------|
| mat'l code     |                   |    |      | tolerances unless<br>otherwise specified |            | CUSTOMER |           |                  |                                                         | www.fciconnect.com |                 |            |
| lfr            | ecn no.           | dr | date | linear                                   | 0.X ±0.3   | COPY     |           | projection<br>   | title<br>METRAL SIGNAL HEADER<br>7 MOD, 5 ROW PRESS-FIT |                    |                 |            |
| X              |                   |    |      |                                          | 0.XX ±0.13 |          |           |                                                                                                       |                                                         |                    |                 |            |
|                |                   |    |      |                                          | .XXX ±.051 |          |           |                                                                                                       |                                                         |                    |                 |            |
|                |                   |    |      | angles                                   | 0° ±2°     |          |           | <br>scale<br>1:1 | product family<br>METRAL                                | code<br>213        |                 |            |
|                |                   |    |      | dr                                       | T.BRUNGARD | 11/19/99 | size<br>A |                                                                                                       |                                                         |                    | dwg no<br>73935 | sheet<br>2 |
|                |                   |    |      | enrg                                     | M.STRAWSE  | 11/19/99 |           |                                                                                                       |                                                         |                    |                 |            |
|                |                   |    |      | chr                                      | M.STRAWSE  | 11/19/99 |           |                                                                                                       |                                                         |                    |                 |            |
|                |                   |    |      | appd                                     | M.STRAWSE  | 02/29/00 |           |                                                                                                       |                                                         |                    |                 |            |
| sheet<br>index | revision<br>sheet |    |      |                                          |            |          |           |                                                                                                       |                                                         |                    |                 |            |

cage code 22526

Pro/E

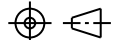
PDM: Rev:X

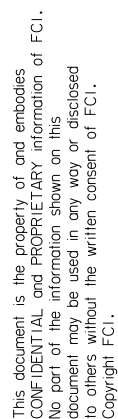
STATUS: Released

Printed: Sep 16, 2009



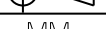
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |    |    |
| 73935-X001    | E   | 3                      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |    |
|               | 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  | 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  | 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  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 73935-X001LF  | 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  | 3  | 3      | 3  | 3  | 3  | 3  | 3      | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 73935-X002    | E   | -                      | -  | -  | -  | -  | -      | -  | -  | -  | -  | -      | -  | -  | -  | -  | -      | -  | -  | -  | -  | -      | -  | -  | -  | -  | -      | -  | -  | -  | -  | -      | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |    |
|               | 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  | 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  | 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  | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 73935-X002LF  | 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  | 2  | 2      | 2  | 2  | 2  | 2  | 2      | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 73935-X003    | E   | 19                     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
|               | 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 | 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 | 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 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 73935-X003LF  | 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 | 19 | 19     | 19 | 19 | 19 | 19 | 19     | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 73935-X004    | E   | 1                      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |
|               | 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  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |
|               | 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  | 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  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |
| 73935-X004LF  | 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  | 1  | 1      | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 73935-X005    | E   | 6                      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |    |
|               | 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  | 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  | 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  | 6  | 6      | 6  | 6  | 6  | 6  | 6      | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |    |
| 73935-X005LF  | 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  | 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<br>otherwise specified |            | CUSTOMER                                                                              |           |  www.fciconnect.com |                 |  |  |
| lfr         | ecn no. | dr             | date | linear                                   | 0.X ±0.3   | COPY                                                                                  |           |                     |                 |  |  |
| X           |         |                |      |                                          | 0.XX ±0.13 | projection                                                                            |           |                                                                                                          |                 |  |  |
|             |         |                |      |                                          | .XXX ±.051 |                                                                                       |           |                                                                                                          |                 |  |  |
|             |         |                |      |                                          | 0° ±2°     |                                                                                       |           |                                                                                                          |                 |  |  |
|             |         |                |      | angles                                   |            |  |           | product family METRAL code 213<br>size dwg no 73935 sheet 3                                              |                 |  |  |
|             |         |                |      | dr                                       | T.BRUNGARD | 11/19/99                                                                              | scale 1:1 |                                                                                                          |                 |  |  |
|             |         |                |      | engr                                     | M.STRAWSE  | 11/19/99                                                                              |           |                                                                                                          |                 |  |  |
|             |         |                |      | chr                                      | M.STRAWSE  | 11/19/99                                                                              |           |                                                                                                          |                 |  |  |
|             |         |                |      | appd                                     | M.STRAWSE  | 02/29/00                                                                              |           |                                                                                                          | cage code 22526 |  |  |
| sheet index |         | revision sheet |      |                                          |            |                                                                                       |           |                                                                                                          |                 |  |  |

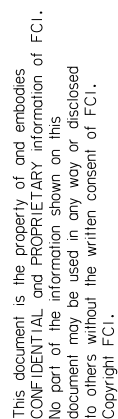
A

B

[illegible]

|             |                |      |             |                                       |                                                                                       |                |                                                                                       |                                                                                                                                                  |      |
|-------------|----------------|------|-------------|---------------------------------------|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|
| mat'l code  |                |      |             | tolerances unless otherwise specified |                                                                                       | CUSTOMER       |                                                                                       |  <a href="http://www.fciconnect.com">www.fciconnect.com</a> |      |
| lfr         | ecn no.        | dr   | date        | linear                                | 0. X $\pm$ 0.3                                                                        | projection     |  | title<br>METRAL SIGNAL HEADER<br>7 MOD, 5 ROW PRESS-FIT                                                                                          |      |
| X           |                |      |             |                                       | 0. XX $\pm$ 0.13                                                                      |                |                                                                                       |                                                                                                                                                  |      |
|             |                |      |             |                                       | .XXX $\pm$ .051                                                                       |                |                                                                                       |                                                                                                                                                  |      |
|             |                |      |             | angles                                | 0° $\pm$ 2°                                                                           |                |                                                                                       |                                                                                                                                                  |      |
|             |                | dr   | T. BRUNGARD | 11/19/99                              |  | product family |                                                                                       | METRAL                                                                                                                                           | code |
|             |                | engr | M. STRAWSER | 11/19/99                              |                                                                                       | size           | dwg no                                                                                | 213                                                                                                                                              |      |
|             |                | chr  | M. STRAWSER | 11/19/99                              |                                                                                       | scale          | 73935                                                                                 | sheet 5                                                                                                                                          |      |
|             |                | appd | M. STRAWSER | 02/29/00                              | 1:1                                                                                   | A              |                                                                                       |                                                                                                                                                  |      |
| sheet index | revision sheet |      |             |                                       |                                                                                       |                |                                                                                       |                                                                                                                                                  |      |

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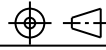
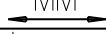
A

B

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|



| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---------------|-----|------------------------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |    |    |
| 73935-X021    | E   | 40                     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
|               | D   | 40                     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
|               | C   | 40                     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
|               | B   | 40                     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40     | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 73935-X021LF  | A   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |    |    |
| 73935-X022    | E   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | D   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
|               | C   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | B   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 73935-X022LF  | A   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |    |    |
| 73935-X023    | E   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
|               | D   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
|               | C   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
|               | B   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 73935-X023LF  | A   | 41                     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41     | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |    |    |
| 73935-X024    | E   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | D   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | C   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | B   | 42                     | 42 | 42 | 42 | 42 | 42     | 42 | 42 | 42 | 42 | 42     | 42 | 42 | 42 | 42 | 42     | 42 | 42 | 42 | 42 | 42     | 42 | 42 | 42 | 42 | 42     | 42 | 42 | 42 | 42 | 42     | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 73935-X024LF  | A   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| METRAL<br>P/N | ROW | CONTACT CODE<br>MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    | MOD. 3 |    |    |    |    | MOD. 4 |    |    |    |    | MOD. 5 |    |    |    |    | MOD. 6 |    |    |    |    | MOD. 7 |    |    |    |    |    |    |    |    |    |    |    |    |    |
|               |     | 1                      | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11     | 12 | 13 | 14 | 15 | 16     | 17 | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |    |    |
| 73935-X025    | E   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | D   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | C   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
|               | B   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 73935-X025LF  | A   | 25                     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25     | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |

|             |         |                |      |                                       |                  |                                                                                       |                                                                                       |                                                                                                          |        |      |
|-------------|---------|----------------|------|---------------------------------------|------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------|------|
| mat'l code  |         |                |      | tolerances unless otherwise specified |                  | CUSTOMER                                                                              |                                                                                       |  www.fcjconnect.com |        |      |
| lfr         | ecn no. | dr             | date | linear                                | 0.X $\pm 0.3$    | projection                                                                            |  | title                                                                                                    |        |      |
| X           |         |                |      |                                       | 0.XX $\pm 0.13$  |                                                                                       |                                                                                       | METRAL SIGNAL HEADER                                                                                     |        |      |
|             |         |                |      |                                       | .XXX $\pm 0.051$ |                                                                                       |                                                                                       | 7 MOD, 5 ROW PRESS-FIT                                                                                   |        |      |
|             |         |                |      | angles                                | 0° $\pm 2^\circ$ |  | scale                                                                                 | product family                                                                                           |        |      |
|             |         |                |      | dr                                    | T.BRUNGARD       |                                                                                       |                                                                                       | 11/19/99                                                                                                 | METRAL |      |
|             |         |                |      | engr                                  | M.STRAWSE        |                                                                                       |                                                                                       | 11/19/99                                                                                                 | size   | code |
|             |         |                |      | chr                                   | M.STRAWSE        |                                                                                       |                                                                                       | 11/19/99                                                                                                 | dwg no | 213  |
|             |         |                |      | appd                                  | M.STRAWSE        | 02/29/00                                                                              |                                                                                       |                                                                                                          | sheet  |      |
| sheet index |         | revision sheet |      |                                       |                  |                                                                                       |                                                                                       |                                                                                                          | 7      |      |







| PRODUCT NUMBER |
|----------------|
| 73935-XXXX     |
| 73935-YYYYLF   |

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
73935-XXX IS SnPb  
73935-YYYYLF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE BELOW.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXP
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073

- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.

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

| PLATING IN CONTACT AREA |                                   | NOTES      |
|-------------------------|-----------------------------------|------------|
| DASH NUMBER             | PERFORMANCE LEVEL                 | -          |
| -N1YYY                  | TELCORDIA CO (NXT)                | -          |
| -N5YYY                  | TELCORDIA UE (NXT)                | -          |
| -1YYY                   | TELCORDIA CO                      | -          |
| -2YYY                   | TELECOM CLASS                     | -          |
| -3YYY                   | IEC CLASS I                       | -          |
| -5YYY                   | TELCORDIA UE                      | -          |
| -N1YYYYLF               | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 9 |
| -N5YYYYLF               | TELCORDIA UE (NXT)                | SEE NOTE 9 |
| -1YYYYLF                | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 9 |
| -2YYYYLF                | TELECOM CLASS                     | SEE NOTE 9 |
| -5YYYYLF                | TELCORDIA UE                      | SEE NOTE 9 |

| mat'l code  |         |                |      | tolerances unless<br>otherwise specified |                     | CUSTOMER   |  | FCJ                                                  |  |
|-------------|---------|----------------|------|------------------------------------------|---------------------|------------|--|------------------------------------------------------|--|
| ltr         | ecn no. | dr             | date |                                          |                     | COPY       |  | www.fcjconnect.com                                   |  |
| X           |         |                |      | linear                                   | 0.X ±0.3            | projection |  | title METRAL SIGNAL HEADER<br>7 MOD, 5 ROW PRESS-FIT |  |
|             |         |                |      |                                          | 0.XX ±0.13          |            |  |                                                      |  |
|             |         |                |      | angles                                   | .XXX ±.051          |            |  |                                                      |  |
|             |         |                |      |                                          | 0° ±2°              |            |  | product family METRAL code 213                       |  |
|             |         |                |      | dr                                       | T.BRUNGARD 11/19/99 | MM         |  |                                                      |  |
|             |         |                |      | enrg                                     | M.STRAWSE 11/19/99  |            |  |                                                      |  |
|             |         |                |      | chr                                      | M.STRAWSE 11/19/99  | scale      |  | size dwg no 73935 sheet 10                           |  |
|             |         |                |      | appd                                     | M.STRAWSE 02/29/00  | 1:1        |  |                                                      |  |
| sheet index |         | revision sheet |      |                                          |                     |            |  |                                                      |  |

cage code 22526