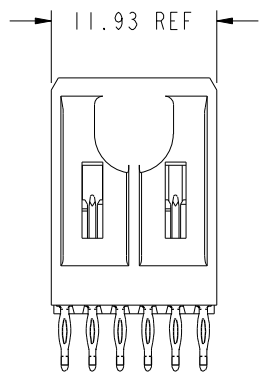
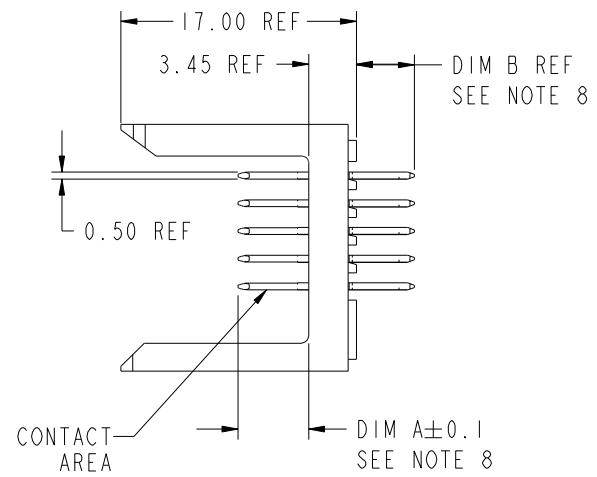
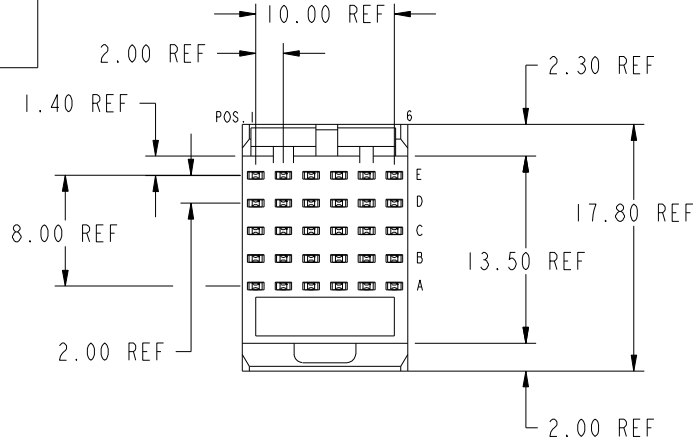


| |
|-----------------------------------|
| PRODUCT NUMBER |
| 85674-XYX OR 85674-XXXX |
| 85674-XYXLF OR 85674-XXXXLF |



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|-------------|----------------|------|------------|-----------|---------------------|------|------|---------------------------------------|------------------------|------|-------|-----------|--|--|--------------------|--|--|
| mat'l code | | | | SEE NOTES | | | | tolerances unless otherwise specified | | | | CUSTOMER | | | FCI | | |
| ltr | ecn no. | dr | date | linear | 0.X ±0.3 | COPY | | | projection | | | title | | | www.fciconnect.com | | |
| CC | V06-0569 | DCH | 2006-06-12 | | 0.XX ±0.13 | MIM | | | METRAL SIGNAL HEADER | | | code | | | 213 | | |
| CD | DG07-0409 | Cenh | 10/18/07 | | .XXX ±.051 | MIM | | | I MOD, 5 ROW PRESS-FIT | | | sheet | | | 1 of 10 | | |
| CE | DG07-0487 | Cenh | 12/04/07 | angles | 0° ±2° | MIM | | | product family | | | METRAL | | | size | | |
| CF | DG08-0246 | Cenh | 09/26/08 | dr | T.BRUNGARD 11/19/99 | MIM | | | scale | | | 85674 | | | dwg no | | |
| CG | DG08-0303 | Cenh | 10/30/08 | enrg | M.STRAWSER 11/19/99 | MIM | | | 2:1 | | | A | | | cage code | | |
| CH | DG09-0073 | Cenh | 03/05/09 | chr | M.STRAWSER 02/29/00 | MIM | | | 2:1 | | | A | | | 22526 | | |
| - | - | - | - | appd | M.STRAWSER | MIM | | | 2:1 | | | A | | | 4 | | |
| sheet index | revision sheet | CH 1 | CH 2 | CH 3 | CH 4 | CH 5 | CH 6 | CH 7 | CH 8 | CH 9 | CH 10 | cage code | | | 22526 | | |

REV E - 2006-04-18

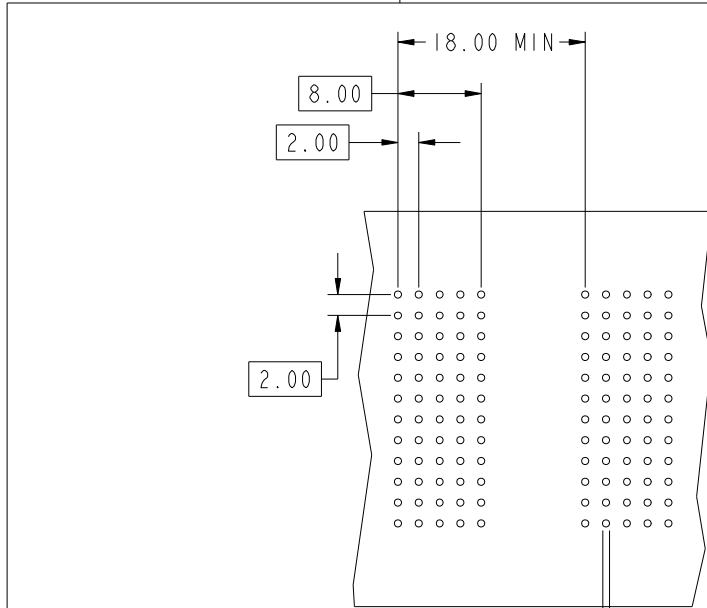


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REV E - 2008-04-18

A

B



$\varnothing 0.10$
 REQUIRED PCB BOARD LAYOUT
 COMPONENT SIDE
 SEE PRINT 58351 FOR
 ADDITIONAL PCB INFORMATION

| KEY (SIGNAL PRESS-FIT) | | |
|------------------------|-----------------|-----------------|
| 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 |
| 11 | 6.50 | 17.00 |
| 19 | 8.00 | 4.30 |
| 20 | 8.00 | 13.60 |
| 21 | 8.00 | 17.00 |
| 22 | 5.00 | 12.10 |
| 29 | 8.00 | 14.60 |
| 30 | 5.00 | 12.90 |
| 31 | 5.75 | 12.90 |
| 40 | 5.00 | 15.60 |
| 41 | 6.50 | 15.60 |
| 49 | 5.75 | 15.10 |
| 52 | 8.00 | 15.10 |
| 59 | 5.00 | 11.80 |
| 61 | 6.50 | 11.80 |
| 64 | 5.75 | 14.90 |
| 65 | 5.00 | 16.30 |
| 67 | 7.25 | 16.30 |

| | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|---------------------|----------|--|------------------------|--|----------------|--------|
| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | www.fciconnect.com | | | |
| ltr | ecm no. | dr | date | linear | 0.X ±0.3 | COPY | | title | METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT | | |
| CH | | | | | 0.XX ±0.13 | MIM | | | | product family | METRAL |
| | | | | | .XXX ±.051 | scale | | | | | |
| | | | | angles | 0° ±2° | 3:2 | | A | 85674 | | |
| | | | | dr | T.BRUNGARD 11/19/99 | | | | | code | 213 |
| | | | | enr | M.STRAWSER 11/19/99 | | | sheet | 2 | | |
| | | | | chr | M.STRAWSER 11/19/99 | | | | | | |
| | | | | appd | M.STRAWSER 02/29/00 | | | | | | |
| sheet index | revision sheet | | | | | | | | | | |

cage code 22526

Pro/E

1 | 2

3 |

4

A

B

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A

B

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X01, 85674-X01LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X02, 85674-X02LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X03, 85674-X03LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X04, 85674-X04LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X05, 85674-X05LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X06, 85674-X06LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X07, 85674-X07LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X08, 85674-X08LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X09, 85674-X09LF.

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Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X12, 85674-X12LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X13, 85674-X13LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X14, 85674-X14LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X15, 85674-X15LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X16, 85674-X16LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X17, 85674-X17LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X18, 85674-X18LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X19, 85674-X19LF.

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Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X21, 85674-X21LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X22, 85674-X22LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X23, 85674-X23LF.

Table with columns METRAL P/N, ROW, CONTACT MOD., CODE. Rows include 85674-X24, 85674-X24LF.

A

B

Technical drawing header block containing: mat'l code, tolerances, CUSTOMER COPY, FCI logo, title (METRAL SIGNAL HEADER), product family (METRAL), size (A), dwg no (85674), sheet (3), scale (1:1), sheet index, revision sheet, cage code (22526).



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A

B

| METRAL P/N | ROW | CONTACT CODE MOD. I | | | | | |
|-------------|-----|---------------------|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 85674-X25 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X25LF | B | - | - | - | - | - | 2 |
| | A | 2 | - | 2 | - | - | 2 |
| 85674-X26 | E | 2 | 2 | 2 | 6 | 6 | 6 |
| | D | 2 | 2 | 2 | 6 | 6 | 6 |
| 85674-X26LF | B | 2 | 2 | 2 | 6 | 6 | 6 |
| | A | 2 | 2 | 2 | 6 | 6 | 6 |
| 85674-X27 | E | 2 | 2 | 6 | 6 | 6 | 2 |
| | D | 2 | 2 | 6 | 6 | 6 | 2 |
| 85674-X27LF | B | 2 | 2 | 6 | 6 | 6 | 2 |
| | A | 2 | 2 | 6 | 6 | 6 | 2 |
| 85674-X28 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| 85674-X28LF | B | 1 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |
| 85674-X29 | E | 3 | 3 | 3 | 3 | 1 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X29LF | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X30 | E | 7 | 7 | 7 | 7 | 5 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| 85674-X30LF | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |
| 85674-X31 | E | 4 | 2 | 2 | 2 | 2 | 2 |
| | D | 4 | 2 | 2 | 2 | 1 | 2 |
| 85674-X31LF | B | 4 | 2 | 2 | 2 | 2 | 2 |
| | A | 4 | 2 | 2 | 2 | 2 | 2 |
| 85674-X32 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X32LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X33 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X33LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 4 | 4 | 2 | 2 |
| 85674-X34 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X34LF | B | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 4 |
| 85674-X35 | E | 2 | 2 | 4 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X35LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 4 | 2 | 2 |
| 85674-X36 | E | 2 | 2 | 4 | 4 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X36LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X37 | E | 2 | 2 | 2 | 2 | 2 | 4 |
| | D | 2 | 2 | 2 | 2 | 2 | 4 |
| 85674-X37LF | B | 2 | 2 | 2 | 2 | 2 | 4 |
| | A | 2 | 2 | 2 | 2 | 2 | 4 |
| 85674-X38 | E | 2 | 2 | 2 | 2 | 2 | 4 |
| | D | 2 | 2 | 2 | 2 | 2 | 4 |
| 85674-X38LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X39 | E | 6 | 6 | 6 | 6 | 6 | 8 |
| | D | 6 | 6 | 6 | 6 | 6 | 8 |
| 85674-X39LF | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X40 | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X40LF | B | 2 | 1 | 1 | 1 | 1 | 1 |
| | A | 1 | 1 | 1 | 1 | 1 | 1 |
| 85674-X41 | E | 1 | 1 | 1 | 1 | 2 | 3 |
| | D | 2 | 2 | 2 | 1 | 1 | 3 |
| 85674-X41LF | B | 2 | 2 | 2 | 2 | 2 | 3 |
| | A | 2 | 2 | 1 | 1 | 1 | 3 |
| 85674-X42 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X42LF | B | 2 | 2 | 2 | 2 | 1 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X43 | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X43LF | B | 6 | 5 | 5 | 5 | 5 | 5 |
| | A | 5 | 5 | 5 | 5 | 5 | 5 |
| 85674-X44 | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 5 | 5 |
| 85674-X44LF | B | 5 | 6 | 5 | 5 | 5 | 6 |
| | A | 5 | 6 | 5 | 5 | 5 | 6 |
| 85674-X45 | E | 3 | 3 | 3 | 3 | 2 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X45LF | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X46 | E | 5 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 7 | 7 | 7 | 7 | 7 |
| 85674-X46LF | B | 7 | 7 | 7 | 7 | 7 | 7 |
| | A | 7 | 7 | 7 | 7 | 7 | 7 |
| 85674-X47 | E | 7 | 7 | 7 | 7 | 7 | 7 |
| | D | 7 | 4 | 1 | 7 | 7 | 7 |
| 85674-X47LF | B | 7 | 7 | 4 | 1 | 7 | 7 |
| | A | 7 | 7 | 7 | 6 | 1 | 7 |
| 85674-X48 | E | - | 5 | 9 | 5 | 9 | 5 |
| | D | - | 5 | 9 | 5 | 9 | 5 |
| 85674-X48LF | B | - | 5 | 9 | 5 | 9 | 5 |
| | A | - | 5 | 9 | 5 | 9 | 5 |

A

B

| | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|---------------------|------------|--|------------------------|--|----------------------|--|
| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | FCI | | www.fciconnect.com | |
| lfr | ecm no. | dr | date | linear | 0.X ±0.3 | COPY | | title | | METRAL SIGNAL HEADER | |
| CH | | | | | 0.XX ±0.13 | projection | | I MOD, 5 ROW PRESS-FIT | | product family | |
| | | | | angles | .XXX ±.051 | | | size | | METRAL | |
| | | | | dr | 0° ±2° | | | dwg no | | code | |
| | | | | enrg | T.BRUNGARD 11/19/99 | scale | | 85674 | | 213 | |
| | | | | chr | M.STRAWSER 11/19/99 | 1:1 | | A | | sheet | |
| | | | | appd | M.STRAWSER 02/29/00 | | | | | 4 | |
| sheet index | revision sheet | | | | | | | | | | |

cage code 22526 4

Pro/E

3

4

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A

B

| METRAL P/N | ROW | CONTACT CODE MOD. | | | | | |
|-------------|-----|-------------------|----|----|---|---|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 85674-X49 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | - | - | 3 | 3 | 3 | 3 |
| | B | - | - | - | - | 3 | 3 |
| 85674-X49LF | A | 3 | 3 | - | - | 3 | 3 |
| 85674-X50 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 19 | 3 | 3 | 3 |
| | C | 3 | 3 | 19 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X50LF | A | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X51 | E | 5 | 5 | 5 | 5 | 5 | 5 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 5 | 5 | 5 |
| | B | 6 | 5 | 5 | 5 | 5 | 5 |
| 85674-X51LF | A | 5 | 5 | 5 | 5 | 5 | 5 |
| 85674-X52 | E | 1 | 1 | 1 | 1 | 1 | 1 |
| | D | 1 | 1 | 1 | 1 | 1 | 1 |
| | C | 3 | 1 | 1 | 1 | 1 | 3 |
| | B | 1 | 1 | 1 | 1 | 1 | 1 |
| 85674-X52LF | A | 1 | 1 | 1 | 1 | 1 | 1 |
| 85674-X53 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 2 | 2 | 2 | 2 | 3 | 3 |
| | C | 2 | 2 | 2 | 1 | 1 | 1 |
| | B | 2 | 2 | 2 | 1 | 1 | 1 |
| 85674-X53LF | A | 3 | 2 | 3 | 1 | 1 | 1 |
| 85674-X54 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 1 | 1 | 1 | 3 |
| | C | 2 | 2 | 1 | 1 | 1 | 3 |
| | B | 2 | 2 | 1 | 1 | 1 | 3 |
| 85674-X54LF | A | 3 | 2 | 1 | 1 | 1 | 1 |
| 85674-X55 | E | 1 | 3 | 1 | 1 | 1 | 1 |
| | D | 1 | 3 | 1 | 1 | 1 | 1 |
| | C | 1 | 3 | 1 | 1 | 1 | 1 |
| | B | 1 | 3 | 1 | 1 | 1 | 1 |
| 85674-X55LF | A | 1 | 3 | 1 | 1 | 1 | 1 |
| 85674-X56 | E | 5 | 6 | 6 | 6 | 6 | 6 |
| | D | 5 | 6 | 6 | 6 | 6 | 6 |
| | C | 5 | 6 | 6 | 6 | 6 | 6 |
| | B | 5 | 6 | 6 | 6 | 6 | 6 |
| 85674-X56LF | A | 5 | 6 | 6 | 6 | 6 | 6 |
| 85674-X57 | E | 5 | 6 | 6 | 6 | 6 | 6 |
| | D | 5 | 6 | 6 | 6 | 6 | 6 |
| | C | 5 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X57LF | A | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X58 | E | 1 | 2 | 2 | 2 | 2 | 2 |
| | D | 1 | 2 | 2 | 2 | 2 | 2 |
| | C | 1 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X58LF | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X59 | E | 3 | 3 | 3 | 1 | 3 | 3 |
| | D | 3 | 3 | 19 | 3 | 3 | 3 |
| | C | 19 | 3 | 19 | 3 | 3 | 3 |
| | B | 3 | 19 | 3 | 3 | 3 | 3 |
| 85674-X59LF | A | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X60 | E | - | 1 | 1 | 1 | 1 | - |
| | D | - | 1 | 1 | 1 | 1 | - |
| | C | - | 1 | 1 | 1 | 1 | - |
| | B | - | 1 | 1 | 1 | 1 | - |
| 85674-X60LF | A | - | 1 | 1 | 1 | 1 | - |
| 85674-X61 | E | 3 | 19 | 3 | 3 | 3 | 3 |
| | D | 3 | 19 | 3 | 3 | 3 | 3 |
| | C | 3 | 19 | 3 | 3 | 3 | 3 |
| | B | 3 | 19 | 3 | 3 | 3 | 3 |
| 85674-X61LF | A | 3 | 19 | 3 | 3 | 3 | 3 |
| 85674-X62 | E | 2 | 2 | 2 | 1 | 2 | 2 |
| | D | 2 | 2 | 2 | 1 | 2 | 2 |
| | C | 2 | 2 | 2 | 1 | 2 | 2 |
| | B | 2 | 2 | 2 | 1 | 2 | 2 |
| 85674-X62LF | A | 1 | 2 | 2 | 1 | 2 | 2 |
| 85674-X63 | E | 2 | 2 | 2 | 2 | 1 | 1 |
| | D | 2 | 2 | 2 | 2 | 1 | 1 |
| | C | 1 | 2 | 2 | 2 | 1 | 1 |
| | B | 2 | 2 | 2 | 2 | 1 | 1 |
| 85674-X63LF | A | 1 | 2 | 2 | 2 | 1 | 1 |
| 85674-X64 | E | 2 | 1 | 2 | 2 | 1 | 1 |
| | D | 2 | 2 | 2 | 2 | 1 | 1 |
| | C | 2 | 2 | 1 | 1 | 1 | 1 |
| | B | 2 | 2 | 2 | 2 | 1 | 1 |
| 85674-X64LF | A | 2 | 2 | 1 | 1 | 1 | 1 |
| 85674-X65 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| | B | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X65LF | A | 3 | 3 | 3 | 3 | 4 | 3 |
| 85674-X66 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 1 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X66LF | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X67 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 1 | 2 | 2 | 1 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| | B | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X67LF | A | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X68 | E | 7 | 7 | 7 | 7 | 8 | 8 |
| | D | 7 | 7 | 7 | 7 | 8 | 8 |
| | C | 7 | 7 | 7 | 7 | 8 | 8 |
| | B | 7 | 7 | 7 | 7 | 8 | 8 |
| 85674-X68LF | A | 7 | 7 | 7 | 7 | 8 | 8 |
| 85674-X69 | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 5 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X69LF | A | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X70 | E | 19 | 2 | 4 | 4 | 2 | 19 |
| | D | 19 | 2 | 4 | 4 | 2 | 19 |
| | C | 19 | 2 | 4 | 4 | 2 | 19 |
| | B | 19 | 2 | 4 | 4 | 2 | 19 |
| 85674-X70LF | A | 19 | 2 | 4 | 4 | 2 | 19 |
| 85674-X71 | E | 2 | 2 | 2 | 2 | 2 | 19 |
| | D | 2 | 2 | 2 | 2 | 2 | 19 |
| | C | 2 | 2 | 2 | 2 | 2 | 19 |
| | B | 2 | 2 | 2 | 2 | 2 | 19 |
| 85674-X71LF | A | 2 | 2 | 2 | 2 | 2 | 19 |
| 85674-X72 | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 6 |
| | C | 20 | 6 | 6 | 6 | 6 | 6 |
| | B | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X72LF | A | 6 | 6 | 6 | 6 | 6 | 6 |

A

B

| | | | | | | | |
|-------------|----------------|----|---------------------------------------|--------|------------|----------|--|
| mat'l code | | -- | Tolerances unless otherwise specified | | CUSTOMER | | www.fciconnect.com title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT product family METRAL code 213 size dwg no 85674 sheet 5 scale 1:1 |
| ltr | ecn no. | dr | date | linear | COPY | | |
| CH | | | | | projection | | |
| | | | | angles | | | |
| | | | | dr | T.BRUNGARD | 11/19/99 | |
| | | | | enrg | M.STRAWSER | 11/19/99 | |
| | | | | chr | M.STRAWSER | 11/19/99 | |
| | | | | appd | M.STRAWSER | 02/29/00 | |
| sheet index | revision sheet | | | | | | |

cage code 22526 4

Pro/E

3



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| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X145 | E | 3 | 3 | 3 | 3 | 2 | 1 |
| | D | 3 | 3 | 3 | 3 | 2 | 1 |
| | C | 3 | 3 | 3 | 3 | 2 | 1 |
| 85674-X145LF | B | 3 | 3 | 3 | 3 | 2 | 1 |
| | A | 3 | 3 | 3 | 3 | 2 | 1 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X146 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 3 | 2 | 2 |
| 85674-X146LF | B | 2 | 2 | 2 | 3 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X147 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 1 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X147LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X148 | E | 1 | 1 | 2 | 2 | 2 | 2 |
| | D | 1 | 1 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X148LF | B | 1 | 1 | 2 | 2 | 2 | 2 |
| | A | 1 | 1 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X149 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 1 | 2 |
| | C | 2 | 2 | 2 | 2 | 1 | 2 |
| 85674-X149LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X150 | E | 1 | 1 | 1 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X150LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X151 | E | 6 | 6 | 6 | 6 | 6 | 6 |
| | D | 6 | 6 | 6 | 6 | 6 | 5 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X151LF | B | 6 | 6 | 6 | 6 | 6 | 6 |
| | A | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X152 | E | 7 | 6 | 6 | 6 | 6 | 6 |
| | D | 7 | 6 | 6 | 6 | 6 | 6 |
| | C | 6 | 6 | 6 | 6 | 6 | 6 |
| 85674-X152LF | B | 7 | 6 | 6 | 6 | 6 | 6 |
| | A | 7 | 6 | 6 | 6 | 6 | 6 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X153 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 2 | 2 |
| 85674-X153LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 1 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X154 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 1 | 2 | 2 |
| 85674-X154LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X155 | E | 1 | 1 | 9 | 3 | 3 | 3 |
| | D | 3 | 1 | 9 | 3 | 3 | 3 |
| | C | 3 | 1 | 9 | 3 | 3 | 3 |
| 85674-X155LF | B | 1 | 9 | 3 | 3 | 3 | 3 |
| | A | 1 | 9 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X156 | E | 1 | 1 | 1 | 1 | 1 | 2 |
| | D | 1 | 1 | 1 | 1 | 1 | 2 |
| | C | 1 | 1 | 1 | 1 | 1 | 2 |
| 85674-X156LF | B | 1 | 1 | 1 | 1 | 1 | 2 |
| | A | 1 | 1 | 1 | 1 | 1 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X157 | E | 3 | 3 | 3 | 3 | 1 | 9 |
| | D | 3 | 3 | 3 | 3 | 1 | 9 |
| | C | 3 | 3 | 3 | 3 | 1 | 9 |
| 85674-X157LF | B | 3 | 3 | 3 | 3 | 1 | 9 |
| | A | 3 | 3 | 3 | 3 | 1 | 9 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X158 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 1 |
| 85674-X158LF | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X159 | E | 2 | 2 | 2 | 2 | 2 | 2 |
| | D | 2 | 2 | 2 | 2 | 2 | 2 |
| | C | 2 | 2 | 2 | 2 | 1 | 2 |
| 85674-X159LF | B | 2 | 2 | 2 | 2 | 2 | 2 |
| | A | 2 | 2 | 2 | 2 | 2 | 2 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X160 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 3 | 3 | 3 | 3 | 3 | 3 |
| 85674-X160LF | B | 1 | 1 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| METRAL P/N | ROW | CONTACT MOD. | | | | | CODE |
|--------------|-----|--------------|---|---|---|---|------|
| | | 1 | 2 | 3 | 4 | 5 | |
| 85674-X161 | E | 3 | 3 | 3 | 3 | 3 | 3 |
| | D | 3 | 3 | 3 | 3 | 3 | 3 |
| | C | 1 | 9 | 1 | 9 | 1 | 9 |
| 85674-X161LF | B | 3 | 3 | 3 | 3 | 3 | 3 |
| | A | 3 | 3 | 3 | 3 | 3 | 3 |

| | | | | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|---------------------|----------|--|----------------|--|------------------------|--|
| mat'l code | | -- | | Tolerances unless otherwise specified | | CUSTOMER | | FCI | | www.fciconnect.com | |
| lfr | ecn no. | dr | date | linear | 0.X ±0.3 | COPY | | projection | | title | |
| CH | | | | angles | 0.XX ±0.13 | MIM | | | | METRAL SIGNAL HEADER | |
| | | | | dr | .XXX ±.051 | scale | | | | I MOD, 5 ROW PRESS-FIT | |
| | | | | enr | 0° ±2° | 1:1 | | product family | | METRAL | |
| | | | | chr | T.BRUNGARD 11/19/99 | A | | size | | 213 | |
| | | | | appd | M.STRAWSER 11/19/99 | | | dwg no | | 85674 | |
| | | | | | M.STRAWSER 02/29/00 | | | sheet | | 9 | |
| sheet index | revision sheet | | | | | | | | | | |

| |
|-----------------------------------|
| PRODUCT NUMBER |
| 85674-XYX OR 85674-XYXX |
| 85674-XYXLF OR 85674-XYXXLF |

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:
85674-XYX IS SnPb
85674-XYXLF 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-XXXX
- 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, INFAR-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 | | |
|-------------------------|-----------------------------------|------------|
| DASH NUMBER | PERFORMANCE LEVEL | NOTES |
| -PYY OR -PYXX | 0.25 um GOLD MIN. | - |
| -N1YY OR -N1YYY | TELCORDIA CO (NXT) | - |
| -N5YY OR -N5YYY | TELCORDIA UE (NXT) | - |
| -1YY OR -1YYY | TELCORDIA CO | - |
| -2YY OR -2YYY | TELECOM CLASS | - |
| -3YY OR -3YYY | IEC CLASS I | - |
| -5YY OR -5YYY | TELCORDIA UE | - |
| -9YY OR -9YYY | TELCORDIA CO | - |
| -N1YYLF OR -N1YYYLF | TELCORDIA CO (NXT) IEC CLASS I | SEE NOTE 9 |
| -N5YYLF OR -N5YYYLF | TELCORDIA UE (NXT) | SEE NOTE 9 |
| -1YYLF OR -1YYYLF | TELCORDIA CO IEC CLASS I | SEE NOTE 9 |
| -2YYLF OR -2YYYLF | TELECOM CLASS | SEE NOTE 9 |
| -5YYLF OR -5YYYLF | TELCORDIA UE | SEE NOTE 9 |



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| | | | | | | | | | |
|-------------|----------------|------|-------------|---------------------------------------|------------|----------|------------|--------------------|--|
| mat'l code | | -- | | tolerances unless otherwise specified | | CUSTOMER | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | 0.X ±0.3 | | COPY | | title METRAL SIGNAL HEADER I MOD, 5 ROW PRESS-FIT |
| CH | | | | | 0.XX ±0.13 | | projection | | |
| | | | | angles | .XXX ±.051 | | | | product family METRAL code 213 size dwg no 85674 sheet 10 |
| | | | | | 0° ±2° | | | | |
| | | dr | T. BRUNGARD | 11/19/99 | scale | | A | | cage code 22526 |
| | | enr | M. STRAWSER | 11/19/99 | 1:1 | | | | |
| | | chr | M. STRAWSER | 11/19/99 | | | | | |
| | | appd | M. STRAWSER | 02/29/00 | | | | | |
| sheet index | revision sheet | | | | | | | | |