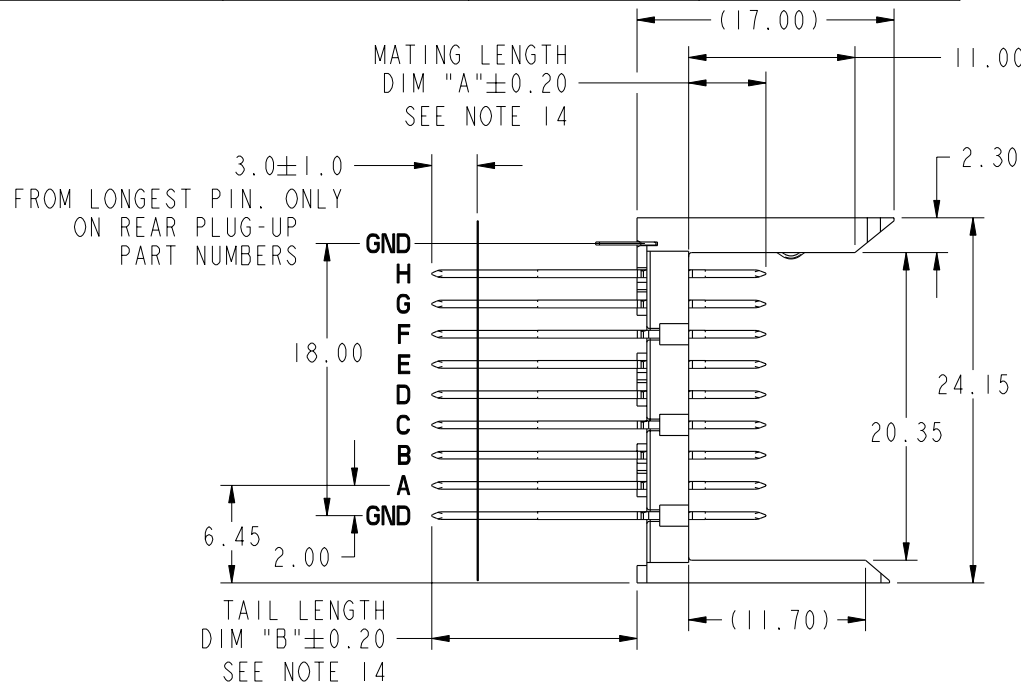
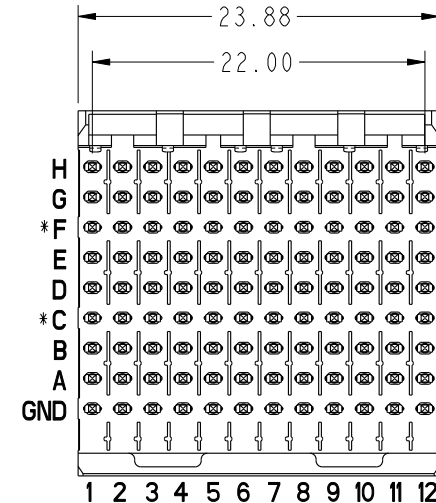
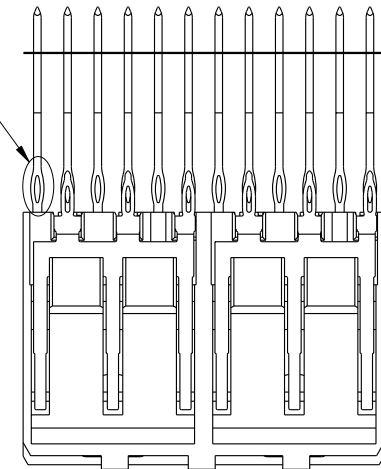


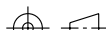


| PRODUCT NUMBER | PLATING PERFORMANCE LEVEL | PRESS FIT PIN TO PCB | FOR REAR PLUG-UP APPLICATIONS USE SHROUD |
|----------------|---------------------------|----------------------|------------------------------------------|
| 74983-102ZZZ   | TELCORDIA CO              | STANDARD             | 74993-102                                |
| 74983-102ZZZLF |                           | LEAD FREE            | 74993-102                                |
| 74983-302ZZZ   | CUSTOMER SPECIAL          | STANDARD             | 74993-302                                |
| 74983-302ZZZLF |                           | LEAD FREE            | 74993-302LF                              |
| 74983-502ZZZ   | TELCORDIA UE              | STANDARD             | 74993-502                                |
| 74983-502ZZZLF |                           | LEAD FREE            | 74993-502LF                              |
| 74983-A02ZZZ   | CUSTOMER SPECIAL          | STANDARD             | 74993-102                                |
| 74983-A02ZZZLF |                           | LEAD FREE            | 74993-102LF                              |

SEE DETAIL A



DETAIL A  
SCALE 4:1  
SEE NOTE 16

|                       |                |     |            |                                       |             |            |              |          |                                                                                       |                                                                                                          |                                                                                       |                                                                      |
|-----------------------|----------------|-----|------------|---------------------------------------|-------------|------------|--------------|----------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| mat'l code SEE NOTE 5 |                |     |            | tolerances unless otherwise specified |             |            |              | CUSTOMER |                                                                                       |  www.fciconnect.com |                                                                                       |                                                                      |
| ltr                   | ecn no.        | dr  | date       | linear                                | 0.X ±0.3    |            |              |          | COPY                                                                                  |                                                                                                          |  | title<br>VERTICAL SIGNAL HDR 8 ROW<br>P.F. 96 POS. SPECIAL LOAD EXT. |
| W                     | V06-0544       | DCH | 2006-06-12 |                                       | 0.XX ±0.13  |            |              |          |                                                                                       |                                                                                                          |                                                                                       |                                                                      |
| X                     | V07-0175       | DCH | 2007-04-16 |                                       | .XXX ±.051  |            |              |          |                                                                                       |                                                                                                          |                                                                                       |                                                                      |
| Y                     | V08-0024       | HTB | 2008-01-16 | angles                                | 0° ±2°      |            |              |          |  | product family METRAL 1000                                                                               |                                                                                       | code                                                                 |
| AA                    | V08-0130       | LP  | 2008-03-25 | dr                                    | E. KROPER.  | 2001-01-15 | scale<br>1:1 | size     |                                                                                       | dwg no                                                                                                   | 213<br>sheet<br>1 of 7                                                                |                                                                      |
| -                     | -              | -   | -          | engr                                  | J. VOLSTORF | 2001-01-15 |              |          |                                                                                       |                                                                                                          |                                                                                       |                                                                      |
| U                     | V05-0192       | DAI | 2005-04-15 | chr                                   | J. VOLSTORF | 2001-01-15 |              |          |                                                                                       |                                                                                                          |                                                                                       |                                                                      |
| V                     | V05-0735       | TAB | 2005-08-05 | appd                                  | J. VOLSTORF | 2001-01-15 |              |          |                                                                                       |                                                                                                          |                                                                                       |                                                                      |
| sheet index           | revision sheet | AA  | AA         | AA                                    | AA          | AA         | AA           | AA       | AA                                                                                    |                                                                                                          |                                                                                       |                                                                      |
|                       |                | 1   | 2          | 3                                     | 4           | 5          | 6            | 7        |                                                                                       |                                                                                                          |                                                                                       |                                                                      |

Pro/E

PDM: Rev:AA

STATUS: Released

Printed: May 13, 2011



| PIN NO. | DIM A<br>MATING<br>LENGTH | DIM B<br>TAIL<br>LENGTH | PCB THICKNESS RANGE<br>ACCOMMODATED BY PIN'S TAIL LENGTH |             |                                                         |             |             |
|---------|---------------------------|-------------------------|----------------------------------------------------------|-------------|---------------------------------------------------------|-------------|-------------|
|         |                           |                         | WHEN MATING TO A 84854<br>SERIES METRAL 1000 RECEPTACLES |             | WHEN MATING TO A 52066 SERIES<br>METRAL 4000 RECEPTACLE |             |             |
|         |                           |                         | ROWS A,B,C,<br>D,E,F,G & H                               | GROUND ROW  | ROWS:A,B,D,E,G & H                                      | ROW C & F   | GROUND ROW  |
| 01*     | 5.00                      | 4.30                    | 1.60 MIN                                                 | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 22      |                           | 12.20                   | 2.95 - 3.80                                              | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 30      |                           | 12.95                   | 2.95 - 4.55                                              | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 05      |                           | 13.70                   | 2.95 - 5.30                                              | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 35      |                           | 14.45                   | 3.05 - 6.05                                              | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 48      |                           | 15.20                   | 3.80 - 6.80                                              | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 40      |                           | 15.70                   | 4.30 - 7.30                                              | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 65      |                           | 16.40                   | 5.00 - 8.00                                              | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 09      |                           | 17.10                   | 5.70 - 8.70                                              | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |
| 02*     | 5.75                      | 4.30                    | 1.60 MIN                                                 | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 44      |                           | 12.20                   | 2.95 - 3.80                                              | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 31      |                           | 12.95                   | 2.95 - 4.55                                              | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 06      |                           | 13.70                   | 2.95 - 5.30                                              | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 36      |                           | 14.45                   | 3.05 - 6.05                                              | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 49      |                           | 15.20                   | 3.80 - 6.80                                              | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 25      |                           | 15.70                   | 4.30 - 7.30                                              | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 66      |                           | 16.40                   | 5.00 - 8.00                                              | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 10      |                           | 17.10                   | 5.70 - 8.70                                              | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |
| 03*     | 6.50                      | 4.30                    | 1.60 MIN                                                 | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 45      |                           | 12.20                   | 2.95 - 3.80                                              | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 32      |                           | 12.95                   | 2.95 - 4.55                                              | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 07      |                           | 13.70                   | 2.95 - 5.30                                              | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 37      |                           | 14.45                   | 3.05 - 6.05                                              | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 50      |                           | 15.20                   | 3.80 - 6.80                                              | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 41      |                           | 15.70                   | 4.30 - 7.30                                              | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 24      |                           | 16.40                   | 5.00 - 8.00                                              | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 11      |                           | 17.10                   | 5.70 - 8.70                                              | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |

|                          |                   |    |      |                                          |             |            |   |                           |                                                                      |
|--------------------------|-------------------|----|------|------------------------------------------|-------------|------------|---|---------------------------|----------------------------------------------------------------------|
| mat'l code<br>SEE NOTE 5 |                   |    |      | tolerances unless<br>otherwise specified |             | CUSTOMER   |   | FCI<br>www.fciconnect.com |                                                                      |
| ltr                      | ecr no.           | dr | date | linear                                   | 0.X ±0.3    | COPY       |   | projection<br>            | title<br>VERTICAL SIGNAL HDR 8 ROW<br>P.F. 96 POS. SPECIAL LOAD EXT. |
| AA                       |                   |    |      |                                          | 0.XX ±0.13  |            |   |                           |                                                                      |
|                          |                   |    |      |                                          | .XXX ±.051  |            |   |                           |                                                                      |
|                          |                   |    |      | angles                                   | 0° ±2°      |            |   | MM<br><br>scale<br>1:1    | product family<br>METRAL 1000<br>code<br>213<br>sheet<br>2           |
|                          |                   |    |      | dr                                       | E. KROPER.  | 2001-01-15 | A |                           |                                                                      |
|                          |                   |    |      | enrg                                     | J. VOLSTORF | 2001-01-15 |   |                           |                                                                      |
|                          |                   |    |      | chr                                      | J. VOLSTORF | 2001-01-15 |   |                           |                                                                      |
|                          |                   |    |      | appd                                     | J. VOLSTORF | 2001-01-15 |   |                           |                                                                      |
| sheet<br>index           | revision<br>sheet |    |      |                                          |             |            |   |                           |                                                                      |

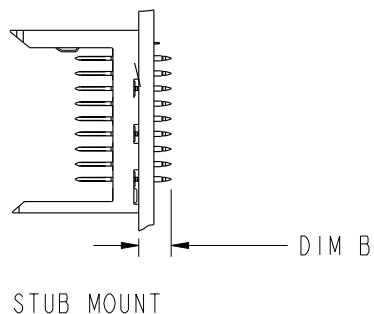
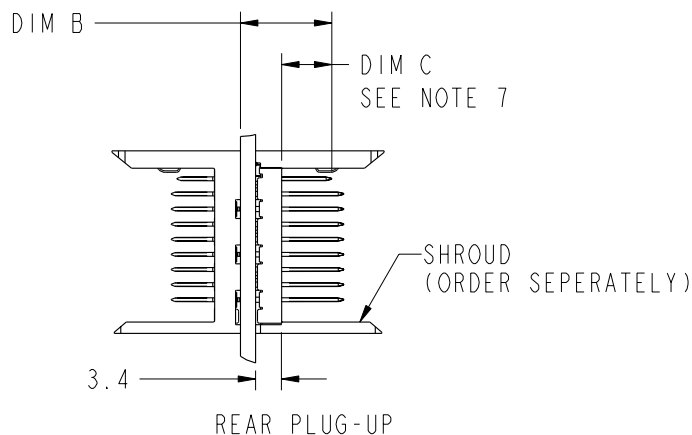


| PIN NO. | DIM A<br>MATING LENGTH | DIM B<br>TAIL LENGTH | PCB THICKNESS RANGE<br>ACCOMMODATED BY PIN LENGTH       |             |                                                         |             |             |
|---------|------------------------|----------------------|---------------------------------------------------------|-------------|---------------------------------------------------------|-------------|-------------|
|         |                        |                      | WHEN MATING TO A 84854 SERIES<br>METRAL 1000 RECEPTACLE |             | WHEN MATING TO A 52066 SERIES<br>METRAL 4000 RECEPTACLE |             |             |
|         |                        |                      | ROWS A,B,C,D,<br>E, F, G, & H                           | GROUND ROW  | ROWS:A,B,D,<br>E,G & H                                  | ROW C & F   | GROUND ROW  |
| 04*     | 7.25                   | 4.30                 | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 46      |                        | 12.20                | 2.95 - 3.80                                             | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 33      |                        | 12.95                | 2.95 - 4.55                                             | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 08      |                        | 13.70                | 2.95 - 5.30                                             | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 38      |                        | 14.45                | 3.05 - 6.05                                             | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 51      |                        | 15.20                | 3.80 - 6.80                                             | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 42      |                        | 15.70                | 4.30 - 7.30                                             | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 67      |                        | 16.40                | 5.00 - 8.00                                             | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 12      |                        | 17.10                | 5.70 - 8.70                                             | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |
| 19*     | 8.00                   | 4.30                 | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN                                                | 1.60 MIN    | 1.60 MIN    |
| 47      |                        | 12.20                | 2.95 - 3.80                                             | 2.95 - 4.20 | 2.95 - 3.80                                             | 2.95 - 3.80 | 2.95 - 4.20 |
| 34      |                        | 12.95                | 2.95 - 4.55                                             | 3.25 - 4.95 | 2.95 - 4.55                                             | 2.95 - 4.55 | 3.25 - 4.95 |
| 20      |                        | 13.70                | 2.95 - 5.30                                             | 4.00 - 5.70 | 3.30 - 5.30                                             | 2.95 - 5.30 | 4.00 - 5.70 |
| 39      |                        | 14.45                | 3.05 - 6.05                                             | 4.75 - 6.45 | 4.05 - 6.05                                             | 3.05 - 6.05 | 4.75 - 6.45 |
| 52      |                        | 15.20                | 3.80 - 6.80                                             | 5.50 - 7.20 | 4.80 - 6.80                                             | 3.80 - 6.80 | 5.50 - 7.20 |
| 43      |                        | 15.70                | 4.30 - 7.30                                             | 6.00 - 7.70 | 5.30 - 7.30                                             | 4.30 - 7.30 | 6.00 - 7.70 |
| 68      |                        | 16.40                | 5.00 - 8.00                                             | 6.70 - 8.40 | 6.00 - 8.00                                             | 5.00 - 8.00 | 6.70 - 8.40 |
| 21      |                        | 17.10                | 5.70 - 8.70                                             | 7.40 - 9.10 | 6.70 - 8.70                                             | 5.70 - 8.70 | 7.40 - 9.10 |

|                          |                |    |      |                                          |             |            |            |  |                                                                      |  |
|--------------------------|----------------|----|------|------------------------------------------|-------------|------------|------------|--|----------------------------------------------------------------------|--|
| mat'l code<br>SEE NOTE 5 |                |    |      | tolerances unless<br>otherwise specified |             |            | CUSTOMER   |  | FCI<br>www.fciconnect.com                                            |  |
| ltr                      | ecn no.        | dr | date | linear                                   | 0.X ±0.3    |            | COPY       |  |                                                                      |  |
| AA                       |                |    |      |                                          | 0.XX ±0.13  |            | projection |  |                                                                      |  |
|                          |                |    |      |                                          | .XXX ±.051  |            |            |  |                                                                      |  |
|                          |                |    |      | angles                                   | 0° ±2°      |            |            |  | title<br>VERTICAL SIGNAL HDR 8 ROW<br>P.F. 96 POS. SPECIAL LOAD EXT. |  |
|                          |                |    |      | dr                                       | E. KROPER.  | 2001-01-15 | MM         |  | product family METRAL 1000                                           |  |
|                          |                |    |      | enrg                                     | J. VOLSTORF | 2001-01-15 |            |  | code 213                                                             |  |
|                          |                |    |      | chr                                      | J. VOLSTORF | 2001-01-15 | 1:1        |  | sheet 3                                                              |  |
|                          |                |    |      | appd                                     | J. VOLSTORF | 2001-01-15 |            |  |                                                                      |  |
| sheet index              | revision sheet |    |      |                                          |             |            |            |  |                                                                      |  |

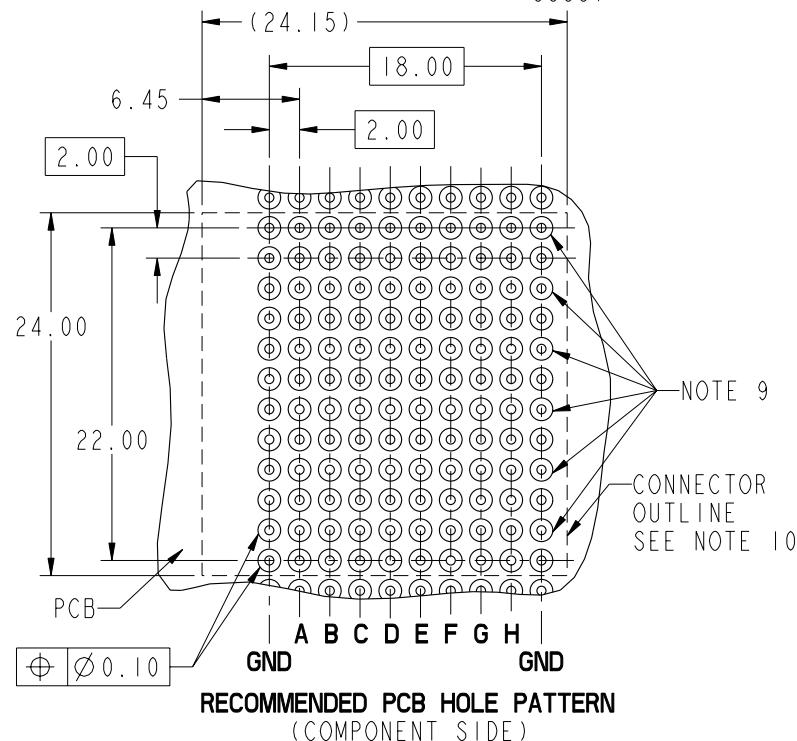


PRODUCT NUMBER  
SEE SHEET 1



| PRESS-FIT HOLES                | OPTION 1                      |
|--------------------------------|-------------------------------|
| HOLE DIAMETER<br>AFTER PLATING | Ø 0.65-0.80                   |
| PRESS-FIT HOLES                | Ø 0.81-0.86<br>(Ø 0.85 DRILL) |
| COPPER PLATING                 | 0.025 MIN                     |
| SnPb PLATING                   | 0.005-0.015                   |

FOR OTHER OPTIONS SEE DRAWING  
58351



|                          |                   |    |      |                                          |                        |            |       |                           |                                                             |
|--------------------------|-------------------|----|------|------------------------------------------|------------------------|------------|-------|---------------------------|-------------------------------------------------------------|
| mat'l code<br>SEE NOTE 5 |                   |    |      | tolerances unless<br>otherwise specified |                        | CUSTOMER   |       | FCI<br>www.fciconnect.com |                                                             |
| ltr                      | ecr no.           | dr | date | linear                                   | 0.X ±0.3               | projection | COPY  | title                     | VERTICAL SIGNAL HDR 8 ROW<br>P.F. 96 POS. SPECIAL LOAD EXT. |
| AA                       |                   |    |      |                                          | 0.XX ±0.13             |            |       |                           |                                                             |
|                          |                   |    |      |                                          | .XXX ±.051             |            |       |                           |                                                             |
|                          |                   |    |      | angles                                   | 0° ±2°                 | MM         | scale | product family            | METRAL 1000                                                 |
|                          |                   |    |      | dr                                       | E. KROPER. 2001-01-15  |            |       |                           |                                                             |
|                          |                   |    |      | engr                                     | J. VOLSTORF 2001-01-15 |            |       |                           |                                                             |
|                          |                   |    |      | chr                                      | J. VOLSTORF 2001-01-15 | 1:1        | size  | dwg no                    | code                                                        |
|                          |                   |    |      | appd                                     | J. VOLSTORF 2001-01-15 |            |       |                           |                                                             |
| sheet<br>index           | revision<br>sheet |    |      |                                          |                        |            |       |                           |                                                             |



| SPECIAL LOAD PATTERNS                                             |                                                                   |           |    |   |
|-------------------------------------------------------------------|-------------------------------------------------------------------|-----------|----|---|
| PRODUCT #                                                         | ROW                                                               | PIN CODES |    |   |
| 74983-X02001<br><br>74983-X02001LF<br>SEE NOTE 15                 | H                                                                 | 01        |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 |           |    |   |
|                                                                   | D                                                                 |           |    |   |
|                                                                   | C                                                                 |           |    |   |
|                                                                   | B                                                                 |           |    |   |
|                                                                   | A                                                                 |           |    |   |
| 74983-X02004<br>*RPU<br><br>74983-X02004LF<br>*RPU<br>SEE NOTE 15 | GND                                                               | 05        |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 |           |    |   |
|                                                                   | D                                                                 |           |    |   |
|                                                                   | C                                                                 |           |    |   |
|                                                                   | B                                                                 |           |    |   |
| 74983-X02011<br><br>74983-X02011LF<br>SEE NOTE 15                 | A                                                                 | 02        |    |   |
|                                                                   | GND                                                               |           | 01 |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 |           |    |   |
|                                                                   | D                                                                 |           |    |   |
|                                                                   | 74983-X02013<br>*RPU<br><br>74983-X02013LF<br>*RPU<br>SEE NOTE 15 |           |    | C |
| B                                                                 |                                                                   |           |    |   |
| A                                                                 |                                                                   |           |    |   |
| GND                                                               |                                                                   | 30        |    |   |
| H                                                                 |                                                                   | 02        |    |   |
| G                                                                 |                                                                   |           |    |   |
| F                                                                 |                                                                   |           | 04 |   |
| E                                                                 |                                                                   |           | 03 |   |
| D                                                                 | 04                                                                |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| B                                                                 |                                                                   |           |    |   |
| 74983-X02050<br><br>74983-X02050LF<br>SEE NOTE 15                 | A                                                                 | 03        |    |   |
|                                                                   | GND                                                               |           | 02 |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
|                                                                   | C                                                                 |           |    |   |
| 74983-X02052<br>*RPU<br><br>74983-X02052LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02053<br>*RPU<br><br>74983-X02053LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02054<br>*RPU<br><br>74983-X02054LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02055<br>*RPU<br><br>74983-X02055LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02056<br>*RPU<br><br>74983-X02056LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02057<br>*RPU<br><br>74983-X02057LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02058<br>*RPU<br><br>74983-X02058LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02059<br>*RPU<br><br>74983-X02059LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02060<br>*RPU<br><br>74983-X02060LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02061<br>*RPU<br><br>74983-X02061LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02062<br>*RPU<br><br>74983-X02062LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02063<br>*RPU<br><br>74983-X02063LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02064<br>*RPU<br><br>74983-X02064LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02065<br>*RPU<br><br>74983-X02065LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02066<br>*RPU<br><br>74983-X02066LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02067<br>*RPU<br><br>74983-X02067LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02068<br>*RPU<br><br>74983-X02068LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02069<br>*RPU<br><br>74983-X02069LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02070<br>*RPU<br><br>74983-X02070LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02071<br>*RPU<br><br>74983-X02071LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02072<br>*RPU<br><br>74983-X02072LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02073<br>*RPU<br><br>74983-X02073LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02074<br>*RPU<br><br>74983-X02074LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02075<br>*RPU<br><br>74983-X02075LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02076<br>*RPU<br><br>74983-X02076LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02077<br>*RPU<br><br>74983-X02077LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02078<br>*RPU<br><br>74983-X02078LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02079<br>*RPU<br><br>74983-X02079LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02080<br>*RPU<br><br>74983-X02080LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02081<br>*RPU<br><br>74983-X02081LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02082<br>*RPU<br><br>74983-X02082LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02083<br>*RPU<br><br>74983-X02083LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02084<br>*RPU<br><br>74983-X02084LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02085<br>*RPU<br><br>74983-X02085LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02086<br>*RPU<br><br>74983-X02086LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02087<br>*RPU<br><br>74983-X02087LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02088<br>*RPU<br><br>74983-X02088LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02089<br>*RPU<br><br>74983-X02089LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02090<br>*RPU<br><br>74983-X02090LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02091<br>*RPU<br><br>74983-X02091LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02092<br>*RPU<br><br>74983-X02092LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02093<br>*RPU<br><br>74983-X02093LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02094<br>*RPU<br><br>74983-X02094LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02095<br>*RPU<br><br>74983-X02095LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02096<br>*RPU<br><br>74983-X02096LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02097<br>*RPU<br><br>74983-X02097LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02098<br>*RPU<br><br>74983-X02098LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02099<br>*RPU<br><br>74983-X02099LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |
| 74983-X02100<br>*RPU<br><br>74983-X02100LF<br>*RPU<br>SEE NOTE 15 | B                                                                 | 03        |    |   |
|                                                                   | A                                                                 |           | 02 |   |
|                                                                   | GND                                                               |           |    |   |
|                                                                   | H                                                                 |           |    |   |
|                                                                   | G                                                                 |           |    |   |
|                                                                   | F                                                                 |           |    |   |
|                                                                   | E                                                                 | 04        |    |   |
|                                                                   | D                                                                 |           |    |   |
| C                                                                 |                                                                   |           |    |   |

\* REAR PLUG-UP PART NUMBERS



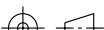
A

|                                                                   |     |     | 1         | 2  |  |
|-------------------------------------------------------------------|-----|-----|-----------|----|--|
| SPECIAL LOAD PATTERNS                                             |     |     |           |    |  |
| PRODUCT #                                                         |     | ROW | PIN CODES |    |  |
| 74983-X02056<br>*RPU<br><br>74983-X02056LF<br>*RPU<br>SEE NOTE 15 |     | H   | 22        |    |  |
|                                                                   |     | G   |           |    |  |
|                                                                   |     | F   |           |    |  |
|                                                                   |     | E   |           |    |  |
|                                                                   |     | D   |           |    |  |
|                                                                   |     | C   |           |    |  |
|                                                                   |     | B   |           |    |  |
|                                                                   |     | A   |           |    |  |
|                                                                   | GND |     |           |    |  |
| 74983-X02057<br><br><br>74983-X02057LF<br>SEE NOTE 15             |     | H   | 02        |    |  |
|                                                                   |     | G   |           |    |  |
|                                                                   |     | F   |           |    |  |
|                                                                   |     | E   |           |    |  |
|                                                                   |     | D   |           |    |  |
|                                                                   |     | C   |           |    |  |
|                                                                   |     | B   |           |    |  |
|                                                                   |     | A   |           |    |  |
|                                                                   | GND |     |           |    |  |
| 74983-X02058<br>*RPU<br><br>74983-X02058LF<br>*RPU<br>SEE NOTE 15 |     | H   | 06        |    |  |
|                                                                   |     | G   |           |    |  |
|                                                                   |     | F   |           |    |  |
|                                                                   |     | E   |           |    |  |
|                                                                   |     | D   |           |    |  |
|                                                                   |     | C   |           |    |  |
|                                                                   |     | B   |           |    |  |
|                                                                   |     | A   |           |    |  |
|                                                                   | GND |     |           |    |  |
| 74983-X02059<br>* *<br><br>74983-X02059LF<br>* *<br>SEE NOTE 15   |     | H   | 03        |    |  |
|                                                                   |     | G   |           |    |  |
|                                                                   |     | F   | 19        |    |  |
|                                                                   |     | E   |           |    |  |
|                                                                   |     | D   | 04        |    |  |
|                                                                   |     | C   | 19        |    |  |
|                                                                   |     | B   |           |    |  |
|                                                                   |     | A   | 04        |    |  |
|                                                                   | GND | 02  |           |    |  |
| 74983-X02060<br><br><br>74983-X02060LF<br>SEE NOTE 15             |     | H   | 03        |    |  |
|                                                                   |     | G   |           |    |  |
|                                                                   |     | F   |           |    |  |
|                                                                   |     | E   |           | 11 |  |
|                                                                   |     | D   |           | 41 |  |
|                                                                   |     | C   |           | 24 |  |
|                                                                   |     | B   |           | 41 |  |
|                                                                   |     | A   |           | 24 |  |
|                                                                   | GND | 49  |           |    |  |
| * REAR PLUG-UP PART NUMBER                                        |     |     |           |    |  |
| * * CANNOT BE MATED TO A                                          |     |     |           |    |  |
| METRAL 4000 RECEPTACLE                                            |     |     |           |    |  |

PCB THICKNESS  
RANGE FOR REAR  
PLUG UP  
APPLICATIONS:  
2.95 - 3.80

PCB THICKNESS  
RANGE FOR REAR  
PLUG UP  
APPLICATIONS:  
4.00 - 5.30

PCB THK  
RANGE FOR  
REAR PLUG UP  
APPLICATIONS:  
\*2.30 - 6.70

|                          |         |                |      |                                          |             |            |                                                                                                       |                                                                                                     |                                                                                                             |                                                                     |       |  |
|--------------------------|---------|----------------|------|------------------------------------------|-------------|------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------|--|
| mat'l code<br>SEE NOTE 5 |         |                |      | tolerances unless<br>otherwise specified |             |            | CUSTOMER                                                                                              |                                                                                                     | <br>www.fciconnect.com |                                                                     |       |  |
| ltr                      | ecr no. | dr             | date | linear                                   | 0.X ±0.3    |            |                                                                                                       | COPY                                                                                                |                                                                                                             | title<br>VERTICAL SIGNAL HDR 8 ROW<br>P.F. 96 POS. SPECIAL LOAD EXT |       |  |
| AA                       |         |                |      |                                          | 0.XX ±0.13  |            |                                                                                                       | projection<br> |                                                                                                             |                                                                     |       |  |
|                          |         |                |      |                                          | .XXX ±.051  |            |                                                                                                       |                                                                                                     |                                                                                                             |                                                                     |       |  |
|                          |         |                |      | angles                                   | 0° ±2°      |            |                                                                                                       |                                                                                                     |                                                                                                             |                                                                     |       |  |
|                          |         |                |      | dr                                       | E. KROPER.  | 2001-01-15 | <br>scale<br>1:1 | product family                                                                                      |                                                                                                             | METRAL 1000                                                         | code  |  |
|                          |         |                |      | enrg                                     | J. VOLSTORF | 2001-01-15 |                                                                                                       | size                                                                                                |                                                                                                             | dwg no                                                              | 213   |  |
|                          |         |                |      | chr                                      | J. VOLSTORF | 2001-01-15 |                                                                                                       |                                                                                                     |                                                                                                             | 74983                                                               | sheet |  |
|                          |         |                |      | appd                                     | J. VOLSTORF | 2001-01-15 |                                                                                                       | A                                                                                                   |                                                                                                             |                                                                     | 6     |  |
| sheet index              |         | revision sheet |      |                                          |             |            |                                                                                                       |                                                                                                     |                                                                                                             |                                                                     |       |  |

Pro/E

cage code 22526

PDM: Rev:AA

STATUS: Released

Printed: May 13, 2011

PRODUCT NUMBER

SEE SHEET 1

## NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CURCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
2. SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
3. SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
5. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0.  
PIN MATERIAL: PHOSPHER BRONZE  
GROUND SPRING MATERIAL: PHOSPHER BRONZE
6. PLATING INFORMATION: PLATING ON CONTACT AREA MEETS THE PERFORMANCE LEVELS SHOWN IN TABLE ON SHEET 1.  
PLATING ON "LF" TAILS IS Sn. PLATING ON ALL OTHERS IS SnPb.
7. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.  
FOR MATING WITH METRAL 1000 RECEPTACLES  
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A-H  
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A  
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS A-H  
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A  
FOR MATING WITH METRAL 4000 RECEPTACLES  
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A, B, D, E, G & H  
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C & F  
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A  
DIM C : 5.00mm MIN, 7.00mm MAX FOR ROWS A, B, D, E, G & H  
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C & F  
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
8. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 2.9mm SINCE THE COMPLIANT SECTIONS OF THE GROUND SPRING IN THE HEADER DIRECTLY OPPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FROM FRONT PLUG-UP ONLY APPLICATIONS IS 1.6mm.

9. THESE HOLES ARE NEEDED FOR REAR PLUG-UP DESIGNS USING A SHROUD AND MAY BE OMITTED FOR FRONT PLUG-UP ONLY DESIGNS.
10. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.

11. CURRENT RATING : 1 AMP PER PIN

12. TEMPERATURE RANGE : -55°C TO +105°C

13. P/N 73983-X02ZZZLF



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

ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 240°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

16. PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

|                          |                   |    |      |                                          |             |            |                  |                           |                                                                      |        |                   |      |
|--------------------------|-------------------|----|------|------------------------------------------|-------------|------------|------------------|---------------------------|----------------------------------------------------------------------|--------|-------------------|------|
| mat'l code<br>SEE NOTE 5 |                   |    |      | tolerances unless<br>otherwise specified |             | CUSTOMER   |                  | FCI<br>www.fciconnect.com |                                                                      |        |                   |      |
| ltr                      | ecr no.           | dr | date | linear                                   | 0. X ±0.3   |            | COPY             |                           | title<br>VERTICAL SIGNAL HDR 8 ROW<br>P.F. 96 POS. SPECIAL LOAD EXT. |        |                   |      |
| AA                       |                   |    |      |                                          | 0. XX ±0.13 |            | projection       |                           |                                                                      |        |                   |      |
|                          |                   |    |      |                                          | . XXX ±.051 |            |                  |                           |                                                                      |        |                   |      |
|                          |                   |    |      | angles                                   | 0° ±2°      |            | <br>scale<br>1:1 |                           | product family                                                       |        | METRAL 1000       | code |
|                          |                   |    |      | dr                                       | E. KROPER.  | 2001-01-15 |                  |                           | size                                                                 | dwg no | 213<br>sheet<br>7 |      |
|                          |                   |    |      | engr                                     | J. VOLSTORF | 2001-01-15 |                  |                           |                                                                      |        |                   |      |
|                          |                   |    |      | chr                                      | J. VOLSTORF | 2001-01-15 |                  |                           |                                                                      |        |                   |      |
|                          |                   |    |      | appd                                     | J. VOLSTORF | 2001-01-15 |                  |                           |                                                                      |        |                   |      |
| sheet<br>index           | revision<br>sheet |    |      |                                          |             |            |                  |                           |                                                                      |        |                   |      |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.