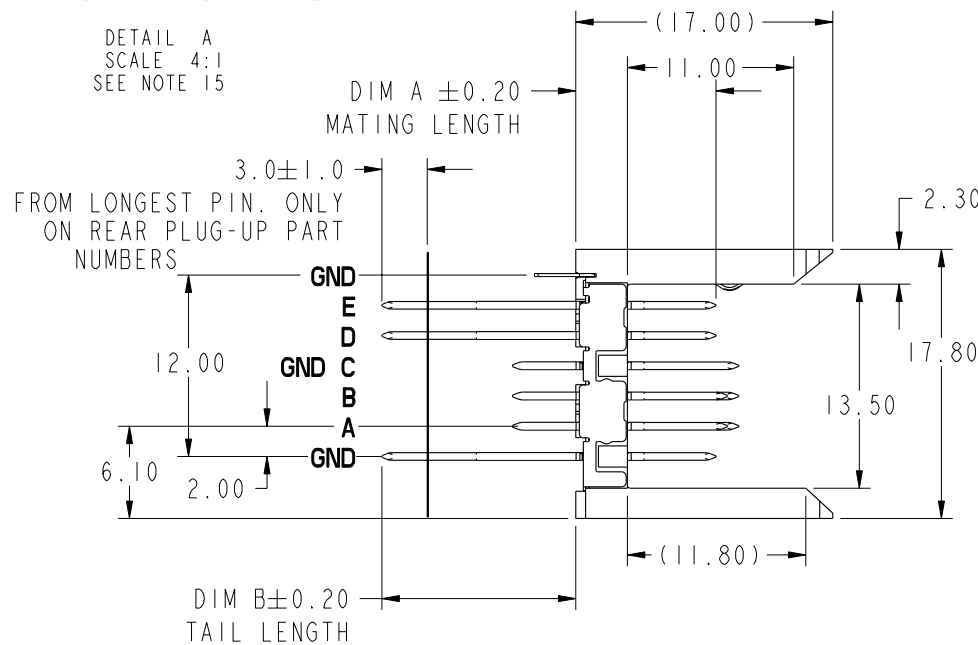




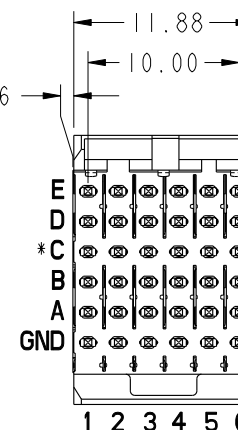
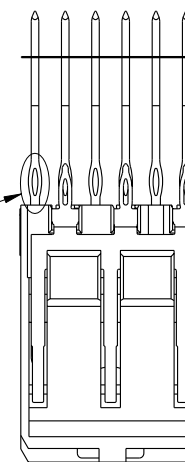
| PRODUCT<br>NUMBER | PLATING<br>PERFORMANCE<br>LEVEL | APPLICATION | FOR REAR PLUG-UP<br>APPLICATIONS<br>USE SHROUD |
|-------------------|---------------------------------|-------------|------------------------------------------------|
| 55499-1YYY        | TELCORDIA CO                    | STANDARD    | 84621-101                                      |
| 55499-1YYYYLF     |                                 | LEAD FREE   | 84621-101LF                                    |
| 55499-5YYY        | TELCORDIA UE                    | STANDARD    | 84621-501                                      |
| 55499-5YYYYLF     |                                 | LEAD FREE   | 84621-501LF                                    |



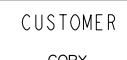
DETAIL A  
SCALE 4:1  
SEE NOTE 15



SEE DETAIL A



**\*ROW C INFORMATION**  
ODD NUMBER COLUMNS WITHIN ROW C ARE COMMONED  
TO GROUND INTERNALLY WITHIN THE HOUSING. THE  
EVEN NUMBER COLUMNS WITHIN ROW C ARE NOT.  
FOR MAXIMUM PERFORMANCE IT IS RECOMMENDED THESE  
EVEN COLUMNS BE GROUND COMMONED WITHIN PCB.  
SEE NOTE 12.

|                          |          |                   |            |                                          |              |            |                                                                                                             |                    |                                                                                                                                                              |   |   |
|--------------------------|----------|-------------------|------------|------------------------------------------|--------------|------------|-------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| mat'l code<br>SEE NOTE 5 |          |                   |            | tolerances unless<br>otherwise specified |              |            | CUSTOMER                                                                                                    |                    | <br>www.fciconnect.com                                                  |   |   |
| ltr                      | ecn no.  | dr                | date       | linear                                   | 0.X ± 0.3    |            | COPY                                                                                                        |                    | <br>title<br>VERTICAL SIGNAL HDR 5 ROW<br>P.F. 30 POS. SELECT LOAD STD. |   |   |
| M                        | V06-0492 | DCH               | 2006-05-23 |                                          | 0.XX ± 0.13  |            | projection                                                                                                  |                    |                                                                                                                                                              |   |   |
| N                        | V07-0184 | DCH               | 2007-04-23 |                                          | 0.XXX ± .051 |            | <br>MM<br>scale<br>1:1 |                    |                                                                                                                                                              |   |   |
| P                        | V07-0688 | HTB               | 2007-11-20 | angles                                   | 0° ± 2°      |            |                                                                                                             |                    |                                                                                                                                                              |   |   |
| R                        | V08-0008 | LP                | 2008/11/21 | dr                                       | E. KROPER    | 2001-06-20 | product family<br>METRAL 2000                                                                               |                    | code<br>213<br>sheet<br>1 of 6                                                                                                                               |   |   |
| -                        | -        | -                 | -          | enrg                                     | J. VOLSTORF  | 2001-06-20 |                                                                                                             |                    |                                                                                                                                                              |   |   |
| K                        | V03-1156 | TAB               | 2003-10-29 | chr                                      | J. VOLSTORF  | 2001-06-20 |                                                                                                             |                    |                                                                                                                                                              |   |   |
| L                        | V05-0814 | VS                | 2005-09-20 | appd                                     | J. VOLSTORF  | 2001-06-20 | size<br>A                                                                                                   |                    | 55499                                                                                                                                                        |   |   |
| sheet<br>index           |          | revision<br>sheet |            | R                                        | R            | R          |                                                                                                             |                    |                                                                                                                                                              |   | R |
|                          |          |                   |            | 1                                        | 2            | 3          |                                                                                                             |                    |                                                                                                                                                              |   | 4 |
|                          |          |                   |            |                                          |              |            |                                                                                                             | cage code<br>22526 |                                                                                                                                                              | 4 |   |
|                          |          |                   |            |                                          |              |            |                                                                                                             |                    |                                                                                                                                                              |   |   |
|                          |          |                   |            |                                          |              |            |                                                                                                             |                    |                                                                                                                                                              |   |   |

Pro/E

3

cage code  
22526

4

PDM: Rev:R

STATUS: Released

Printed: May 13, 2011



| PIN<br>CODE<br>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 73981 OR<br>84688 SERIES RECEPTACLE     |             | WHEN MATING TO A 52057 SERIES<br>METRAL 4000 RECEPTACLE |             |             |
|                    |                           |                         | ROWS A,B,C,D,E                                           | GROUND ROW  | ROWS:A,B,D&E                                            | ROW C       | 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 |
| 3*                 | 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 |

\* STUB PINS - NO REAR PLUG-UP

\*\* THE GREATEST RANGE OCCURS WHEN  
THE B DIMENSION OF PIN 'GND' IS ONE SIZE  
SHORTER THAN THE OTHER PINS.

|                          |                   |    |      |                                          |                        |                          |                               |                           |                                                            |
|--------------------------|-------------------|----|------|------------------------------------------|------------------------|--------------------------|-------------------------------|---------------------------|------------------------------------------------------------|
| 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               | projection               | COPY                          | title                     | VERTICAL SIGNAL HDR 5 ROW<br>P.F. 30 POS. SELECT LOAD STD. |
| R                        |                   |    |      |                                          | 0.XX ±0.13             |                          |                               |                           |                                                            |
|                          |                   |    |      |                                          | 0.XXX ±.051            |                          |                               |                           |                                                            |
|                          |                   |    |      | angles                                   | 0° ±2°                 | MM<br>←→<br>scale<br>1:1 | product family<br>METRAL 2000 | code<br>213               | sheet<br>2                                                 |
|                          |                   |    |      | dr                                       | E. KROPER 2001-06-20   |                          |                               |                           |                                                            |
|                          |                   |    |      | enrg                                     | J. VOLSTORF 2001-06-20 |                          |                               |                           |                                                            |
|                          |                   |    |      |                                          | chr                    | J. VOLSTORF 2001-06-20   | A                             | 55499                     |                                                            |
|                          |                   |    |      |                                          | appd                   | J. VOLSTORF 2001-06-20   |                               |                           |                                                            |
| sheet<br>index           | revision<br>sheet |    |      |                                          |                        |                          |                               |                           |                                                            |



| PIN<br>CODE<br>NO. | DIM A<br>MATING<br>LENGTH | DIM B<br>TAIL<br>LENGTH | PCB THICKNESS RANGE<br>ACCOMMODATED BY PIN LENGTH    |             |                                                         |             |             |
|--------------------|---------------------------|-------------------------|------------------------------------------------------|-------------|---------------------------------------------------------|-------------|-------------|
|                    |                           |                         | WHEN MATING TO A 73981 OR<br>84688 SERIES RECEPTACLE |             | WHEN MATING TO A 52057 SERIES<br>METRAL 4000 RECEPTACLE |             |             |
|                    |                           |                         | ROWS A,B,C,D,E                                       | GROUND ROW  | ROWS:A,B,D&E                                            | ROW C       | 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 |

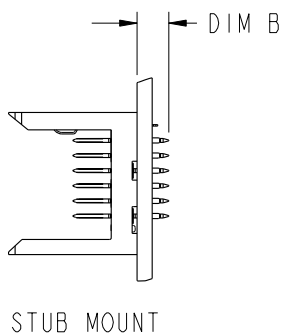
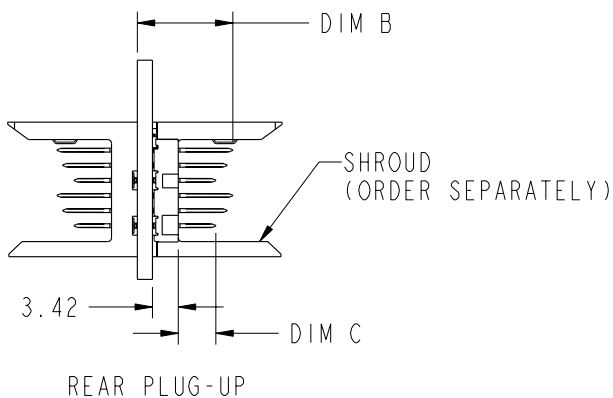
\* STUB PINS - NO REAR PLUG-UP

\*\* THE GREATEST RANGE OCCURS WHEN  
THE B DIMENSION OF PIN 'GND' IS ONE SIZE  
SHORTER THAN THE OTHER PINS.

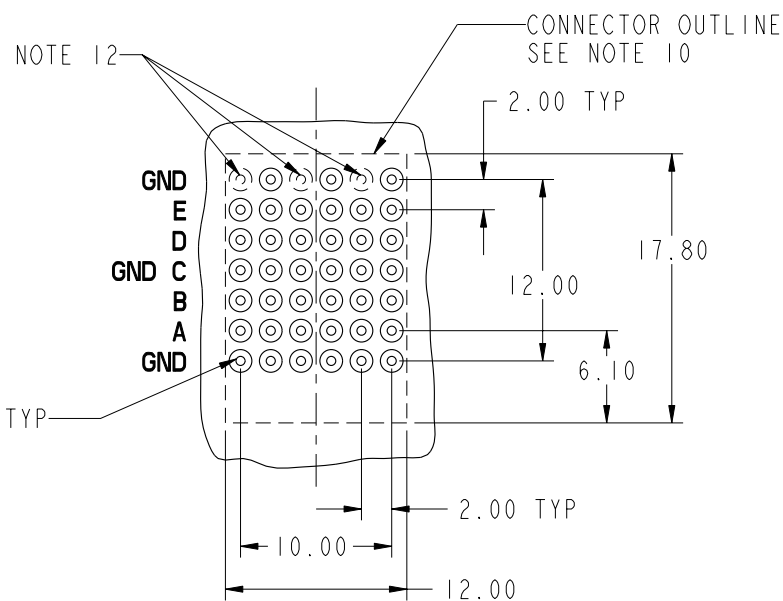
|                       |                |    |      |                                          |               |            |            |  |                                                                     |  |
|-----------------------|----------------|----|------|------------------------------------------|---------------|------------|------------|--|---------------------------------------------------------------------|--|
| mat'l code SEE NOTE 5 |                |    |      | tolerances unless<br>otherwise specified |               |            | CUSTOMER   |  | FCJ<br>www.fciconnect.com                                           |  |
| ltr                   | ecn no.        | dr | date | linear                                   | 0.X ± 0.3     |            | COPY       |  |                                                                     |  |
| R                     |                |    |      |                                          | 0.XX ± 0.13   |            | projection |  |                                                                     |  |
|                       |                |    |      |                                          | 0.XXX ± 0.051 |            |            |  |                                                                     |  |
|                       |                |    |      | angles                                   | 0° ± 2°       |            |            |  | title<br>VERTICAL SIGNAL HDR 5 ROW<br>P.F. 30 POS. SELECT LOAD STD. |  |
|                       |                |    |      | dr                                       | E. KROPER     | 2001-06-20 | MM         |  | product family METRAL 2000                                          |  |
|                       |                |    |      | enrg                                     | J. VOLSTORF   | 2001-06-20 | scale      |  | code 213                                                            |  |
|                       |                |    |      | chr                                      | J. VOLSTORF   | 2001-06-20 | 1:1        |  | sheet 3                                                             |  |
|                       |                |    |      | appd                                     | J. VOLSTORF   | 2001-06-20 |            |  |                                                                     |  |
| sheet index           | revision sheet |    |      |                                          |               |            |            |  |                                                                     |  |

PRODUCT NUMBER  
SEE SHEET 1

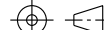
| PRESS-FIT HOLES                | OPTION 1                  |
|--------------------------------|---------------------------|
| HOLE DIAMETER<br>AFTER PLATING | 0.65-0.80                 |
| DRILLED HOLE                   | 0.81-0.86<br>(0.85 DRILL) |
| COPPER PLATING                 | 0.025 MIN    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



SEE PRINT 58351 FOR ADDITIONAL  
PCB INFORMATION



RECOMMENDED PCB HOLE PATTERN  
(COMPONENT SIDE)

|                          |         |                   |      |                                          |              |            |  |          |                                                                                                             |                                                                                                             |  |  |  |
|--------------------------|---------|-------------------|------|------------------------------------------|--------------|------------|--|----------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|--|--|
| 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<br>               | title<br>VERTICAL SIGNAL HDR 5 ROW<br>P.F. 30 POS. SELECT LOAD STD                                          |  |  |  |
| R                        |         |                   |      |                                          | 0. XX ±0.13  |            |  |          |                                                                                                             |                                                                                                             |  |  |  |
|                          |         |                   |      |                                          | 0. XXX ±.051 |            |  |          |                                                                                                             |                                                                                                             |  |  |  |
|                          |         |                   |      | angles                                   | 0° ±2°       |            |  |          | <br>MM<br>scale<br>1:1 | product family<br>METRAL 2000<br>size<br>55499<br>code<br>213<br>sheet<br>4                                 |  |  |  |
|                          |         |                   |      | dr                                       | E. KROPER    | 2001-06-20 |  |          |                                                                                                             |                                                                                                             |  |  |  |
|                          |         |                   |      | enrg                                     | J. VOLSTORF  | 2001-06-20 |  |          |                                                                                                             |                                                                                                             |  |  |  |
|                          |         |                   |      | chr                                      | J. VOLSTORF  | 2001-06-20 |  |          |                                                                                                             |                                                                                                             |  |  |  |
|                          |         |                   |      | appd                                     | J. VOLSTORF  | 2001-06-20 |  |          |                                                                                                             |                                                                                                             |  |  |  |
| sheet<br>index           |         | revision<br>sheet |      |                                          |              |            |  |          |                                                                                                             |                                                                                                             |  |  |  |

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| SELECT LOAD PATTERNS                                   |     |        |    |    |    |    |    |
|--------------------------------------------------------|-----|--------|----|----|----|----|----|
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X001<br>**<br>SEE NOTE 14<br>LEAD FREE<br>OPTION | E   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | D   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | C   | 04     | 04 | 04 | 04 | 04 | 04 |
|                                                        | B   | 03     | 03 | 04 | 03 | 03 | 04 |
|                                                        | A   | 03     | 03 | 04 | 03 | 03 | 04 |
|                                                        | GND | 02     | 02 | 02 | 02 | 02 | 02 |
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X002<br>SEE NOTE 14<br>LEAD FREE<br>OPTION       | E   | 03     | 03 | 03 | 03 | 03 | 03 |
|                                                        | D   | 02     | 03 | 03 | 03 | 03 | 02 |
|                                                        | C   | 04     | 04 | 04 | 04 | 04 | 04 |
|                                                        | B   | 03     | 03 | 03 | 03 | 03 | 03 |
|                                                        | A   | 03     | 03 | 03 | 03 | 03 | 03 |
|                                                        | GND | 02     | 02 | 02 | 02 | 02 | 02 |
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X003<br>SEE NOTE 14<br>LEAD FREE<br>OPTION       | E   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | D   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | C   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | B   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | A   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | GND | -      | 01 | 01 | 01 | 01 | -  |
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X004<br>SEE NOTE 14<br>LEAD FREE<br>OPTION       | E   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | D   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | C   | 02     | 02 | 02 | 02 | 02 | 04 |
|                                                        | B   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | A   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | GND | 02     | 02 | 02 | 02 | 02 | 02 |

| SELECT LOAD PATTERNS                                   |     |        |    |    |    |    |    |
|--------------------------------------------------------|-----|--------|----|----|----|----|----|
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X005<br>SEE NOTE 14<br>LEAD FREE<br>OPTION       | E   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | D   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | C   | 04     | 02 | 02 | 02 | 02 | 02 |
|                                                        | B   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | A   | 02     | 02 | 02 | 02 | 02 | 02 |
|                                                        | GND | 02     | 02 | 02 | 02 | 02 | 02 |
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X006<br>**<br>SEE NOTE 14<br>LEAD FREE<br>OPTION | E   | 02     | 02 | 02 | 02 | 02 | 04 |
|                                                        | D   | 02     | 02 | 02 | 02 | 02 | 04 |
|                                                        | C   | 02     | 02 | 02 | 02 | 02 | 04 |
|                                                        | B   | 02     | 02 | 02 | 02 | 02 | 04 |
|                                                        | A   | 02     | 02 | 02 | 02 | 02 | 04 |
|                                                        | GND | 02     | 02 | 02 | 02 | 02 | 02 |
| PRODUCT #                                              | ROW | COLUMN |    |    |    |    |    |
|                                                        |     | 1      | 2  | 3  | 4  | 5  | 6  |
| 55499-X007<br>**<br>SEE NOTE 14<br>LEAD FREE<br>OPTION | E   | 04     | 02 | 02 | 02 | 02 | 02 |
|                                                        | D   | 04     | 02 | 02 | 02 | 02 | 02 |
|                                                        | C   | 04     | 02 | 02 | 02 | 02 | 02 |
|                                                        | B   | 04     | 02 | 02 | 02 | 02 | 02 |
|                                                        | A   | 04     | 02 | 02 | 02 | 02 | 02 |
|                                                        | GND | 02     | 02 | 02 | 02 | 02 | 02 |

\*\* CANNOT BE MATED WITH METRAL  
4000 RECEPTACLE.

|                       |         |                |      |                                       |                        |                 |                                                            |                           |       |
|-----------------------|---------|----------------|------|---------------------------------------|------------------------|-----------------|------------------------------------------------------------|---------------------------|-------|
| mat'l code SEE NOTE 5 |         |                |      | tolerances unless otherwise specified |                        | CUSTOMER        |                                                            | FCI<br>www.fciconnect.com |       |
| ltr                   | ecr no. | dr             | date | linear                                | 0.X ± 0.3              | projection      | COPY                                                       |                           |       |
| R                     |         |                |      |                                       | 0.XX ± 0.13            |                 | title                                                      |                           |       |
|                       |         |                |      |                                       | 0.XXX ± 0.051          |                 | VERTICAL SIGNAL HDR 5 ROW<br>P.F. 30 POS. SELECT LOAD STD. |                           |       |
|                       |         |                |      | angles                                | 0° ± 2°                |                 |                                                            |                           |       |
|                       |         |                |      | dr                                    | E. KROPER 2001-06-20   | MM<br>scale 1:1 | product family                                             |                           | code  |
|                       |         |                |      | enrg                                  | J. VOLSTORF 2001-06-20 |                 | METRAL 2000                                                |                           | 213   |
|                       |         |                |      | chr                                   | J. VOLSTORF 2001-06-20 |                 | size                                                       |                           | sheet |
|                       |         |                |      | appd                                  | J. VOLSTORF 2001-06-20 |                 | 55499                                                      |                           | 5     |
| sheet index           |         | revision sheet |      |                                       |                        |                 |                                                            |                           |       |

PRODUCT NUMBER

SEE SHEET 1

## NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
2. SEE FCI PUBLICATION 95011-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
3. SEE FCI PUBLICATION 95011-029 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994
- ⑤ HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0.  
PIN MATERIAL: PHOSPHOR BRONZE  
GROUND SPRING MATERIAL: PHOSPHOR BRONZE  
STRIPLINE SHIELD MATERIAL: PHOSPHOR BRONZE
6. PLATING INFORMATION: PLATING ON CONTACT AREA MEETS THE PERFORMANCE LEVELS AS SHOWN IN TABLE ON SHEET 1. PLATING ON "LF" TAILS IS Sn. PLATING ON ALL OTHER TAILS 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-E  
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-E  
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  
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C  
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  
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C  
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 COMPLAINT SECTIONS OF THE GROUND SPRING OF THE HEADER DIRECTLY OPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FOR 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.

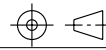
11. P/N 55499-X YYY LF

- ⑫ FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW 'C' CAN BE USED FOR POWER AS WELL AS FOR GROUND. IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY 1 AMP. WHEN THE SURROUNDING PINS ARE USED ONLY FOR LOW SPEED SIGNALS, THEN THE EVEN NUMBERED 'C' ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS. THIS IS NOT TRUE FOR REAR PLUG-UP APPLICATIONS USING METRAL 2000 SHROUD AS IN THIS CASE ALL 'C' ROW PINS ARE COMMON TO GROUND.

13. PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

- ⑭ FOR LEAD FREE PART NUMBERS ADD 'LF' SUFFIX. EXAMPLE: 55499-XYYYLF

- ⑮ PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

|                       |         |                |      |                                       |             |            |                                                                                       |                                                                                       |                                                                     |                    |  |
|-----------------------|---------|----------------|------|---------------------------------------|-------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|--|
| 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 5 ROW<br>P.F. 30 POS. SELECT LOAD STD. |                    |  |
| R                     |         |                |      |                                       | 0.XX ±0.13  |            | projection                                                                            |                                                                                       |                                                                     |                    |  |
|                       |         |                |      |                                       | 0.XXX ±.051 |            |  |                                                                                       |                                                                     |                    |  |
|                       |         |                |      | angles                                | 0° ±2°      |            |                                                                                       |                                                                                       | product family METRAL 2000 code 213<br>size dwg no 55499<br>sheet 6 |                    |  |
|                       |         |                |      | dr                                    | E. KROPER   | 2001-06-20 | MM                                                                                    |                                                                                       |                                                                     |                    |  |
|                       |         |                |      | enrg                                  | J. VOLSTORF | 2001-06-20 | ←→                                                                                    |                                                                                       |                                                                     |                    |  |
|                       |         |                |      | chr                                   | J. VOLSTORF | 2001-06-20 | scale                                                                                 |                                                                                       |                                                                     |                    |  |
|                       |         |                |      | appd                                  | J. VOLSTORF | 2001-06-20 | 1:1                                                                                   |                                                                                       |                                                                     |                    |  |
| sheet index           |         | revision sheet |      |                                       |             |            |                                                                                       |                                                                                       |                                                                     |                    |  |



www.fciconnect.com

title VERTICAL SIGNAL HDR 5 ROW  
P.F. 30 POS. SELECT LOAD STD.

product family METRAL 2000 code

size dwg no 213

55499 sheet 6

cage code 22526



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

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