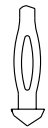


| PRODUCT NUMBER | PLATING PERFORMANCE LEVEL | APPLICATION | FOR REAR PLUG-UP APPLICATIONS USE SHROUD |
|----------------|---------------------------|-------------|------------------------------------------|
| 55499-1YYY | TELCORDIA CO | STANDARD | 84621-101 |
| 55499-1YYYYLF | | LEAD FREE | 84621-101LF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

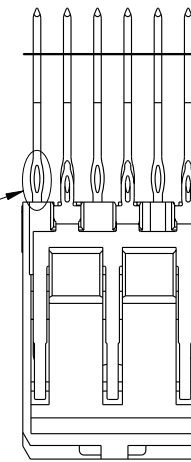
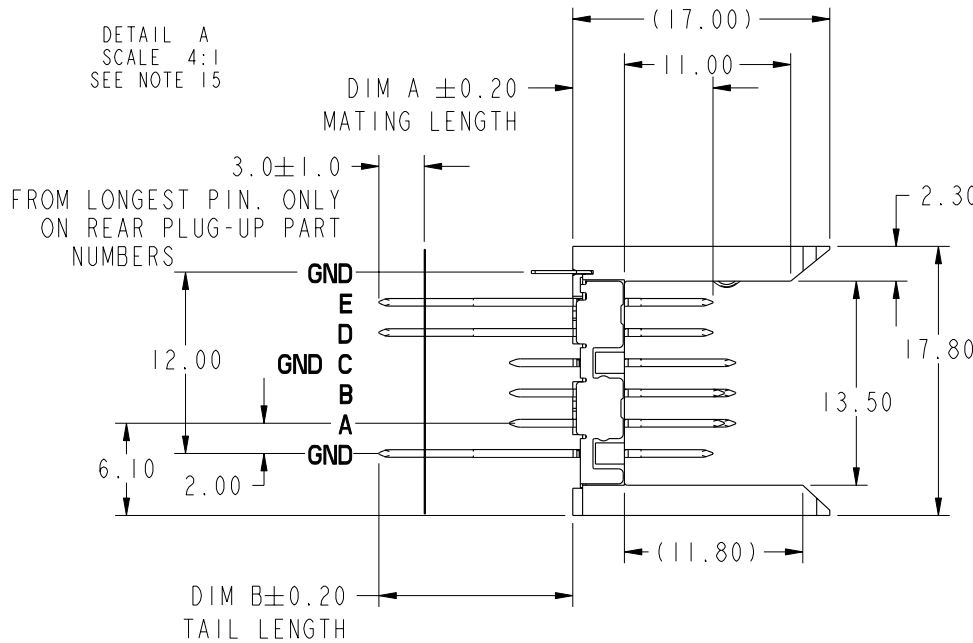


EYE OF NEEDLE
PRESS FIT SECTION

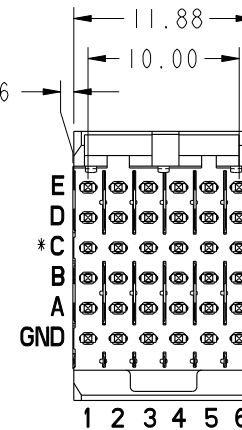


BABY-H
PRESS FIT SECTION

DETAIL A
SCALE 4:1
SEE NOTE 15



SEE DETAIL A



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

***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.



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| PIN CODE NO. | DIM A MATING LENGTH | DIM B TAIL LENGTH | PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH | | | | |
|--------------|---------------------|-------------------|-------------------------------------------------------|-------------|------------------------------------------------------|-------------|-------------|
| | | | WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE | | WHEN MATING TO A 52057 SERIES 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 |



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* 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 otherwise specified | | CUSTOMER | FCI www.fciconnect.com | |
| ltr | ecr no. | dr | date | linear | 0.X ±0.3 | projection | COPY | |
| R | | | | | 0.XX ±0.13 | | title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD STD. | |
| | | | | | 0.XXX ±.051 | | product family METRAL 2000 code 213 | |
| | | | | angles | 0° ±2° | MM scale 1:1 | size | dwg no 55499 |
| | | | | dr | E. KROPER 2001-06-20 | | sheet 2 | |
| | | | | enrg | J. VOLSTORF 2001-06-20 | | | |
| | | | | chr | J. VOLSTORF 2001-06-20 | | | |
| | | | | appd | J. VOLSTORF 2001-06-20 | | | |
| sheet index | revision sheet | | | | | | | |

| PIN CODE NO. | DIM A MATING LENGTH | DIM B TAIL LENGTH | PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH | | | | |
|--------------|---------------------|-------------------|---------------------------------------------------|-------------|------------------------------------------------------|-------------|-------------|
| | | | WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE | | WHEN MATING TO A 52057 SERIES 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 |



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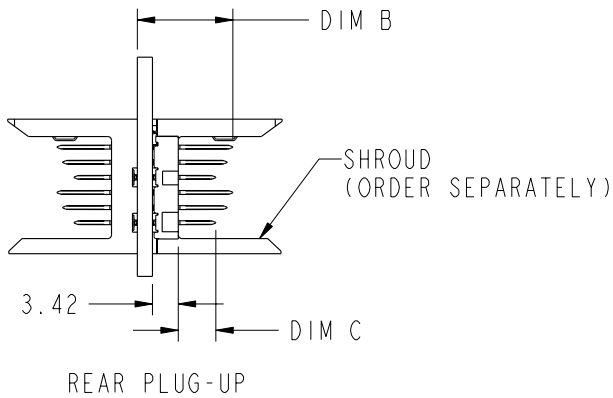
* STUB PINS - NO REAR PLUG-UP

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

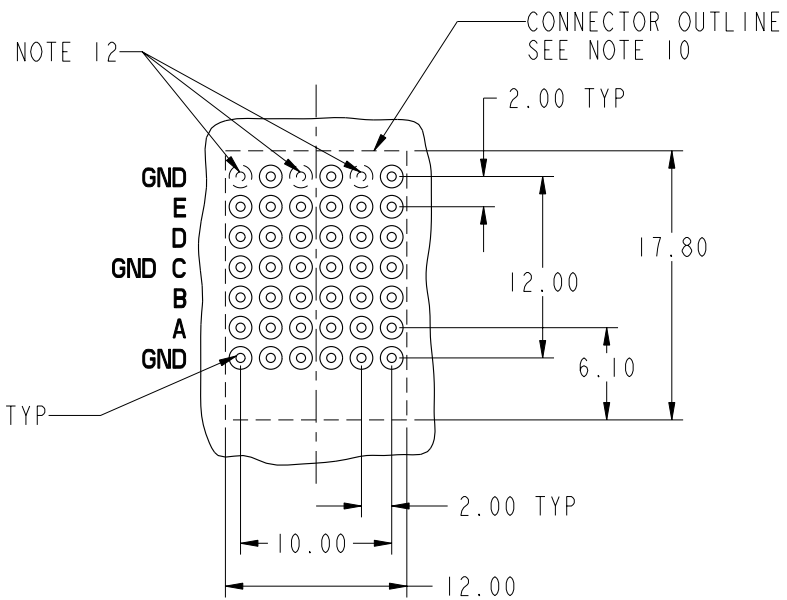
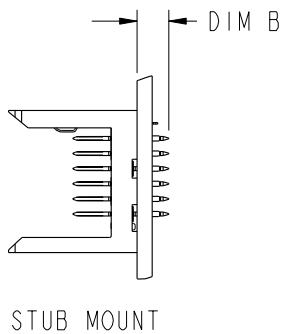
| | | | | | | | | | | |
|-----------------------|----------------|----|------|---------------------------------------|-------------|------------|------------|--|---------------------------------------------------------------|--|
| mat'l code SEE NOTE 5 | | | | tolerances unless otherwise specified | | | CUSTOMER | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | 0.X ±0.3 | | COPY | | title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD STD. | |
| R | | | | | 0.XX ±0.13 | | projection | | | |
| | | | | | 0.XXX ±.051 | | | | | |
| | | | | angles | 0° ±2° | | | | product family METRAL 2000 code | |
| | | | | dr | E. KROPER | 2001-06-20 | scale 1:1 | | size | |
| | | | | engr | J. VOLSTORF | 2001-06-20 | A | | dwg no 55499 | |
| | | | | chr | J. VOLSTORF | 2001-06-20 | | | sheet 213 | |
| | | | | appd | J. VOLSTORF | 2001-06-20 | | | sheet 3 | |
| sheet index | revision sheet | | | | | | | | | |

PRODUCT NUMBER
SEE SHEET 1

| | |
|-----------------------------|---------------------------|
| PRESS-FIT HOLES | OPTION 1 |
| HOLE DIAMETER AFTER PLATING | 0.65-0.80 |
| DRILLED HOLE | 0.81-0.86 (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 SEE NOTE 5 | | | | tolerances unless otherwise specified | | CUSTOMER | FCj www.fciconnect.com | |
| ltr | ecm no. | dr | date | linear | 0.X ±0.3 | COPY | title | |
| R | | | | | 0.XX ±0.13 | projection | VERTICAL SIGNAL HDR 5 ROW | |
| | | | | angles | 0.XXX ±.051 | | P.F. 30 POS. SELECT LOAD STD. | |
| | | | | dr | 0° ±2° | MM | product family | code |
| | | | | enr | E. KROPER 2001-06-20 | ← MM → | METRAL 2000 | 213 |
| | | | | chr | J. VOLSTORF 2001-06-20 | scale | size | sheet |
| | | | | appd | J. VOLSTORF 2001-06-20 | 1:1 | dwg no | 4 |
| sheet index | revision sheet | | | | | | A | 55499 |
| | | | | | | | | |

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| SELECT LOAD PATTERNS | | | | | | | |
|--------------------------------------------------------|-----|--------|----|----|----|----|----|
| PRODUCT # | ROW | COLUMN | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| 55499-X001 ** SEE NOTE 14 LEAD FREE 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 SEE NOTE 14 LEAD FREE 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 SEE NOTE 14 LEAD FREE 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 SEE NOTE 14 LEAD FREE 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 SEE NOTE 14 LEAD FREE 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 ** SEE NOTE 14 LEAD FREE 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 ** SEE NOTE 14 LEAD FREE 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 | FCj www.fciconnect.com | | | |
| ltr | ecn no. | dr | date | linear | 0.X ±0.3 | COPY | projection | title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD STD. | | |
| R | | | | | 0.XX ±0.13 | | | | | |
| | | | | | 0.XXX ±.051 | | | | | |
| | | | | angles | 0° ±2° | MM ← MM → | product family METRAL 2000 | code | | |
| | | | | dr | E. KROPER 2001-06-20 | | | size | dwg no | 213 |
| | | | | enr | J. VOLSTORF 2001-06-20 | | | | | A |
| | | | | chr | J. VOLSTORF 2001-06-20 | scale | 5 | | | |
| | | | | appd | J. VOLSTORF 2001-06-20 | | | 1:1 | | |
| sheet index | revision sheet | | | | | | | | | |



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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 OPPOSE 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.


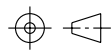


13. PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

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



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| | | | | | | | | | | | |
|--------------------------|----------------|----|------|---------------------------------------|-------------|------------|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|-------------|-------|
| mat'l code SEE NOTE 5 | | | | tolerances unless otherwise specified | | | CUSTOMER | |  www.fciconnect.com | | |
| ltr | ecr no. | dr | date | linear | 0.X ±0.3 | | COPY | | title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SELECT LOAD STD. | | |
| R | | | | | 0.XX ±0.13 | | projection | | | | |
| | | | | | 0.XXX ±.051 | |  | | | | |
| | | | | angles | 0° ±2° | |  | | | | |
| | | | | dr | E. KROPER | 2001-06-20 | MM | | product family | METRAL 2000 | code |
| | | | | engr | J. VOLSTORF | 2001-06-20 |  | | size | dwg no | 213 |
| | | | | chr | J. VOLSTORF | 2001-06-20 | scale | | A | 55499 | sheet |
| | | | | appd | J. VOLSTORF | 2001-06-20 | 1:1 | | | | 6 |
| sheet index | revision sheet | | | | | | | | | | |



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