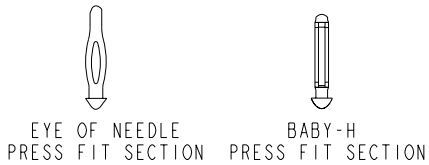
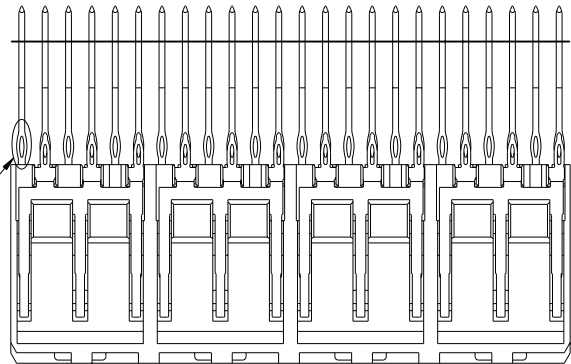


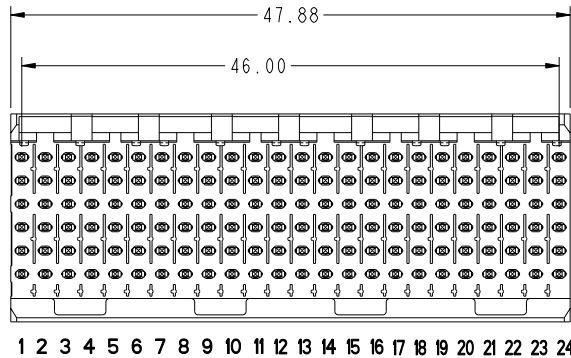
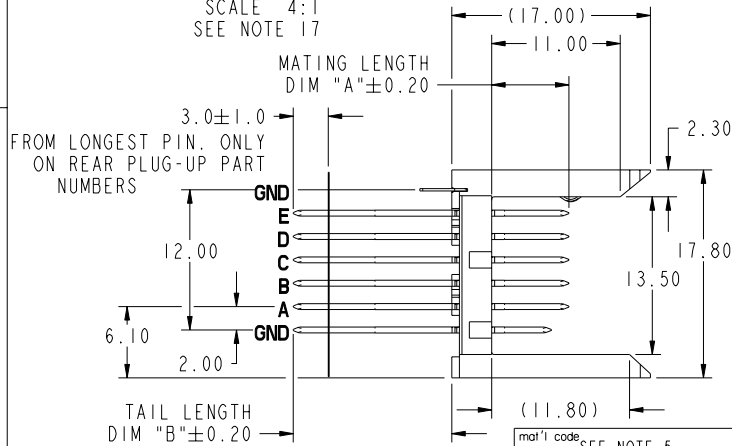
| PRODUCT NUMBER | PLATING PERFORMANCE LEVEL | FOR REAR PLUG-UP APPLICATIONS USE SHROUD |
|----------------|---------------------------|--|
| 63779-1ZZZ | TELCORDIA CO | 84818-104 |
| 63779-1ZZZLF | TELCORDIA CO | 84818-104LF |
| 63779-5ZZZ | TELCORDIA UE | 84818-504 |
| 63779-5ZZZLF | TELCORDIA UE | 84818-504LF |



SEE DETAIL A



DETAIL A
SCALE 4:1
SEE NOTE 17



| | | | | | | | | | | | |
|-----------------------|----------------|-----|------------|---------------------------------------|-------------|------------|------------|----------------|--|---------------------------|--|
| mat'l code SEE NOTE 5 | | | | tolerances unless otherwise specified | | | | CUSTOMER | | FCJ | |
| lfr | ecn no. | dr | date | dr | linear | 0.X ±0.3 | projection | COPY | | www.fciconnect.com | |
| M | V06-0498 | DCH | 2006-05-31 | | | 0.XX ±0.13 | | title | | VERTICAL SIGNAL HDR 5 ROW | |
| N | V07-0172 | DCH | 2007-03-29 | | | .XXX ±.051 | | P.F. | | 120 POS. SELECT LOAD STD | |
| P | V08-0003 | HTB | 2008-01-03 | | angles | 0° ±2° | | product family | | METRAL 1000 | |
| R | V08-0016 | HTB | 2008-01-14 | dr | E. KROPER. | 2001-09-24 | | size | | 213 | |
| S | V08-0051 | LP | 2008-02-18 | engr | J. VOLSTORF | 2001-09-24 | | dwg no | | sheet | |
| T | V08-0141 | LP | 2008-03-28 | chr | J. VOLSTORF | 2001-09-24 | | A | | 1 of 7 | |
| - | - | - | - | oppd | J. VOLSTORF | 2001-09-24 | | scale | | 63779 | |
| sheet index | revision sheet | T | T | T | T | T | T | 1:1 | | code | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | A | | 22526 | |



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REV E - 2008-04-18

PDM: Rev:T STATUS:Released Printed: Dec 17, 2009



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| PIN 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 |
| 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 |
| 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: SEE NOTE 5 | | | | tolerances unless otherwise specified | | CUSTOMER | | FCI | | | | | |
| lfr | ecm no. | dr | date | linear | 0.X ± 0.3 | projection | COPY | www.fciconnect.com | | | | | |
| | | | | angles | 0.XX ± 0.13 | | title | VERTICAL SIGNAL HDR 5 ROW | | | | | |
| | | | | | .XXX ± .051 | | | P.F. 120 POS. SELECT LOAD STD | | | | | |
| | | | | dr | 0° ± 2° | MM scale 1:1 | product family | METRAL 1000 | | | | | |
| | | | | engr | E. KROPER. 2001-09-24 | | | size | dwg no | code | | | |
| | | | | ctr | J. VOLSTORF 2001-09-24 | | | | | A | 63779 | 213 | |
| | | | | appd | J. VOLSTORF 2001-09-24 | | | | | | | sheet | |
| sheet index | revision sheet | | | | | | | | | | | 2 | |
| | | | | | | | | | | | | | |



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| PIN 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 |
| 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 otherwise specified | | CUSTOMER | | FCJ www.fcjconnect.com | |
| ltr | ecm no. | dr | date | linear | 0.X ±0.3 | projection | COPY | | |
| | | | | angles | 0.XX ±0.13 | | title VERTICAL SIGNAL HDR 5 ROW | | |
| | | | | | .XXX ±.051 | | P.F. 120 POS. SELECT LOAD STD | | |
| | | | | dr | 0° ±2° | scale | product family METRAL 1000 | | code |
| | | | | engr | E. KROPER. 2001-09-24 | 1:1 | size | | 213 |
| | | | | chr | J. VOLSTORF 2001-09-24 | | dwg no | | sheet |
| | | | | oppd | J. VOLSTORF 2001-09-24 | | 63779 | | 3 |
| sheet index | revision sheet | | | | | | cage code | | |
| | | | | | | | 22526 | | |

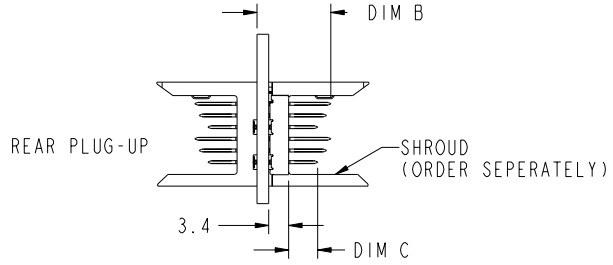
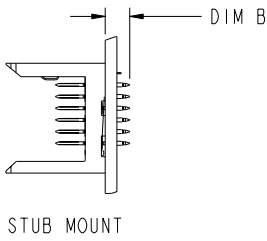
REV E - 2004-04-18

PDM: Rev:T STATUS:Released Printed: Dec 17, 2009



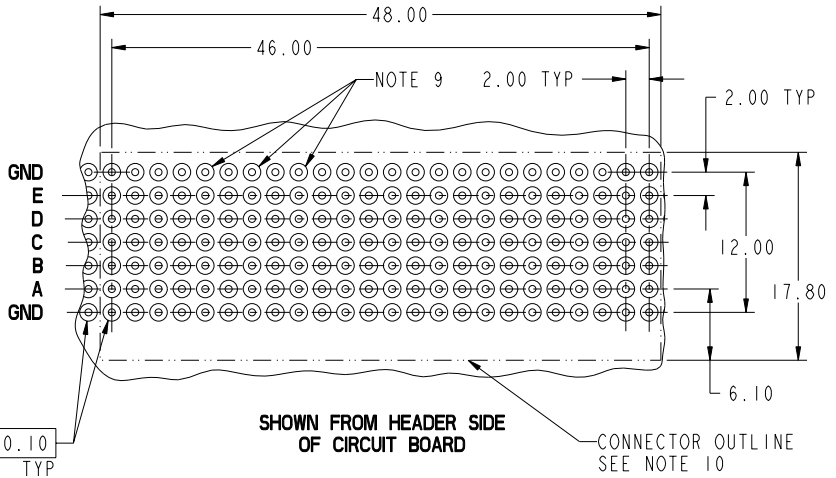
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PRODUCT NUMBER
SEE SHEET 1



| 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.



$\varnothing 0.10$
TYP

| | | | | | | | | | |
|-----------------------|----------------|----|------|---------------------------------------|------------------------|-----------------------|--|---------------------------|--|
| mat'l code SEE NOTE 5 | | | | tolerances unless otherwise specified | | CUSTOMER | | FCJ www.fcjconnect.com | |
| lfr | ecm no. | dr | date | linear | 0.X ± 0.3 | projection | COPY | | |
| T | | | | | 0.XX ± 0.13 | | title VERTICAL SIGNAL HDR 5 ROW P.F. 120 POS. SELECT LOAD STD | | |
| | | | | angles | .XXX ± .051 | $0^\circ \pm 2^\circ$ | product family METRAL 1000 code 213 | | |
| | | | | dr | E. KROPER. 2001-09-24 | MM | size dwg no 63779 sheet 4 | | |
| | | | | engr | J. VOLSTORF 2001-09-24 | scale | code | | |
| | | | | chr | J. VOLSTORF 2001-09-24 | 1:1 | sheet 4 | | |
| | | | | appd | J. VOLSTORF 2001-09-24 | | code | | |
| sheet index | revision sheet | | | | | | cage code 22526 4 | | |

REV E - 2004-04-18

PDM: Rev:T

STATUS: Released

Printed: Dec 17, 2009

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| SELECT LOAD PATTERNS | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| PRODUCT # | ROW | COLUMN | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 63779-X001 SEE NOTE 16 LEAD FREE OPTION | E | 03 | 02 | 02 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 03 |
| | D | 03 | 02 | 02 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 03 |
| | C | 03 | 02 | 02 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 02 | 02 | 03 |
| | B | 03 | 02 | 02 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 03 |
| | A | 03 | 02 | 02 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 03 |
| | GND | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |
| PRODUCT # | ROW | COLUMN | | | | | | | | | | | | | | | | | | | | | | | |
| 63779-X002 SEE NOTE 14 *RPU** SEE NOTE 16 LEAD FREE OPTION | E | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | |
| | D | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | |
| | C | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | |
| | B | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | |
| | A | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | |
| | GND | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | |
| PRODUCT # | ROW | COLUMN | | | | | | | | | | | | | | | | | | | | | | | |
| 63779-X003 SEE NOTE 14 *RPU** SEE NOTE 16 LEAD FREE OPTION | E | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | |
| | D | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | |
| | C | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | |
| | B | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | |
| | A | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | |
| | GND | 55 | 55 | 02 | 02 | 02 | 02 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 02 | 02 | 02 | 02 | 55 | |

** NOT A POSSIBLE METRAL
1000 OR 4000 REAR PLUG-UP
PART NUMBER,
SPECIAL APPLICATION.

** NOT A POSSIBLE METRAL
1000 OR 4000 REAR PLUG-UP
PART NUMBER,
SPECIAL APPLICATION.

*REAR PLUG-UP PART NUMBER

| | | | | | | | | | |
|------------------------|----------------|----|------|---------------------------------------|------------------------|------------|--|---------------------------------|--|
| mat'l code: SEE NOTE 5 | | | | tolerances unless otherwise specified | | CUSTOMER | | FCJ | |
| lfr | ecm no. | dr | date | linear | 0.X ± 0.3 | COPY | | www.fcjconnect.com | |
| T | | | | | 0.XX ± 0.13 | projection | | title VERTICAL SIGNAL HDR 5 ROW | |
| | | | | angles | .XXX ± .051 | | | P.F. 120 POS. SELECT LOAD STD | |
| | | | | | 0° ± 2° | | | product family METRAL 1000 | |
| | | | | dr | E. KROPER. 2001-09-24 | scale | | size | |
| | | | | eng | J. VOLSTORF 2001-09-24 | 1:1 | | dwg no | |
| | | | | chr | J. VOLSTORF 2001-09-24 | | | 63779 | |
| | | | | oppd | J. VOLSTORF 2001-09-24 | | | code | |
| sheet index | revision sheet | | | | | | | 213 | |
| | | | | | | | | sheet | |
| | | | | | | | | 5 | |
| | | | | | | | | cage code | |
| | | | | | | | | 22526 | |
| | | | | | | | | 4 | |

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REV E - 2004-04-18

1 | 2

Pro/E

3 |

cage code 22526

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| SELECT LOAD PATTERNS | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| PRODUCT # | ROW | COLUMN | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 63779-X004 SEE NOTE 16 LEAD FREE OPTION | E | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| | D | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| | C | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 04 | 04 |
| | B | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| | A | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| | GND | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 |
| PRODUCT # | ROW | COLUMN | | | | | | | | | | | | | | | | | | | | | | | |
| 63779-X005 SEE NOTE 16 LEAD FREE OPTION | E | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | |
| | D | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | |
| | C | 04 | 02 | 02 | 02 | 02 | 02 | 04 | 02 | 02 | 02 | 02 | 02 | 01 | 02 | 02 | 02 | 02 | 02 | 04 | 02 | 02 | 02 | 02 | |
| | B | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | |
| | A | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | |
| | GND | - | 02 | 02 | 02 | 02 | - | - | 02 | 02 | 02 | 02 | - | - | 02 | 02 | 02 | 02 | - | - | 02 | 02 | 02 | 02 | |
| PRODUCT # | ROW | COLUMN | | | | | | | | | | | | | | | | | | | | | | | |
| 63779-X006 *RPU SEE NOTE 16 LEAD FREE OPTION | E | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 01 | 01 | 01 | |
| | D | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 01 | 01 | 01 | |
| | C | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 01 | 01 | 01 | |
| | B | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | |
| | A | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | |
| | GND | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | |

*REAR PLUG-UP PART NUMBER

| | | | | | | | | | |
|------------------------|----------------|----|------|---------------------------------------|------------------------|------------|--|-------------------------------|--|
| mat'l code: SEE NOTE 5 | | | | tolerances unless otherwise specified | | CUSTOMER | | FCI www.fciconnect.com | |
| ltr | ecm no. | dr | date | linear | 0.X ±0.3 | COPY | | title | |
| T | | | | | 0.XX ±0.13 | projection | | VERTICAL SIGNAL HDR 5 ROW | |
| | | | | angles | .XXX ±.051 | | | P.F. 120 POS. SELECT LOAD STD | |
| | | | | dr | 0° ±2° | | | product family METRAL 1000 | |
| | | | | engr | E. KROPER 2001-09-24 | | | code 213 | |
| | | | | chr | J. VOLSTORF 2001-09-24 | | | sheet 6 | |
| | | | | appd | J. VOLSTORF 2001-09-24 | | | size 63779 | |
| sheet index | revision sheet | | | | | scale 1:1 | | dwg no | |
| | | | | | | | | 22526 | |

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PDM: Rev:T STATUS:Released Printed: Dec 17, 2009

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 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
3. SEE FCI PUBLICATION 950511-029 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: PHOSPHER BRONZE
GROUND SPRING MATERIAL: PHOSPHER BRONZE
6. PLATING ON CONTACT TO MEET PERFORMANCE LEVEL AS SPECIFIED 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 COMPLIANT 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. CURRENT RATING: 1 AMP PER PIN
12. TEMPERATURE RANGE: -55 C TO +105 C
13. P/N 63779-XZZZLF
LEAD FREE (OPTIONAL)
SELECT LOAD PATTERN
PLATING CODE
14. PIN CODE 55 CANNOT BE USED WITH METRAL 1000 SHROUDS. PIN CODE 55 HAS A DIM A=5.75mm, DIM B=11.55mm.
15. 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
16. FOR LEAD FREE PART NUMBERS ADD 'LF' SUFFIX. EXAMPLE: 63779-XYYYLF
17. 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 | | FCI www.fciconnect.com | |
| ltr | ecm no. | dr | date | linear | 0.X ±0.3 | projection | COPY | | |
| T | | | | | 0.XX ±0.13 | | title VERTICAL SIGNAL HDR 5 ROW P.F. 120 POS. SELECT LOAD STD | | |
| | | | | angles | .XXX ±.051 | | product family METRAL 1000 code 213 | | |
| | | | | dr | 0° ±2° | scale | size dwg no 63779 sheet 7 | | |
| | | | | eng | E. KROPER 2001-09-24 | 1:1 | A | | |
| | | | | chr | J. VOLSTORF 2001-09-24 | | | | |
| | | | | appd | J. VOLSTORF 2001-09-24 | | | | |
| sheet index | revision sheet | | | | | | | | |

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cage code 22526