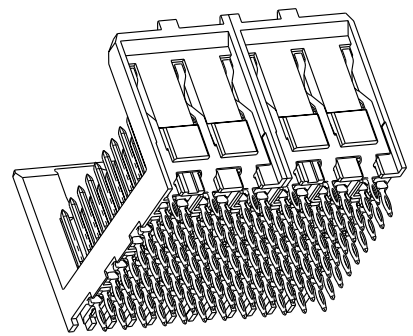
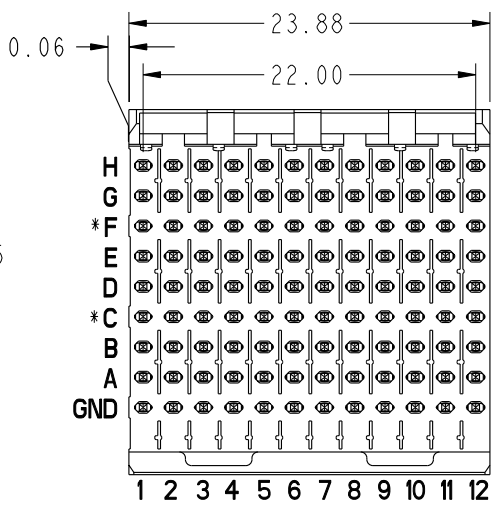
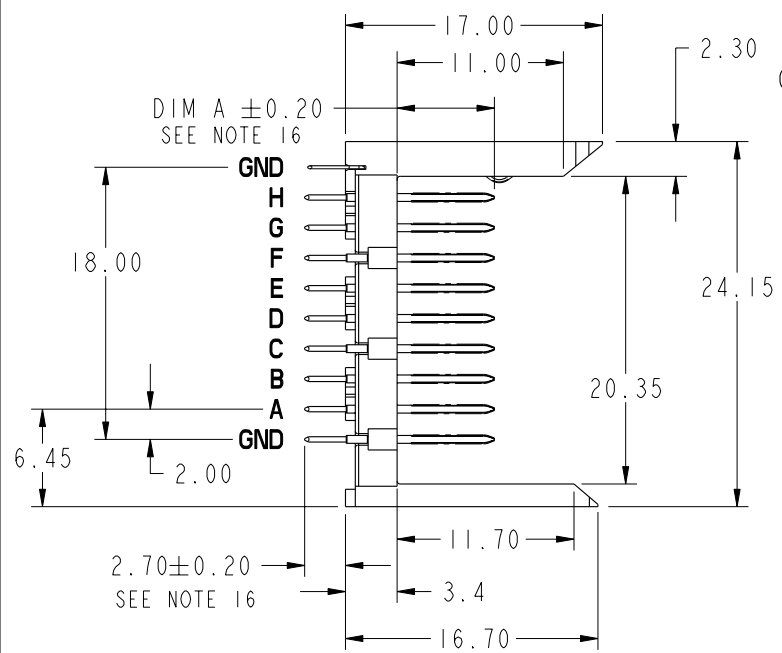
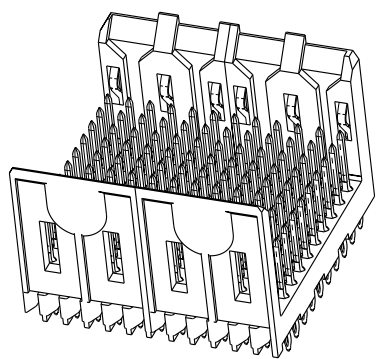
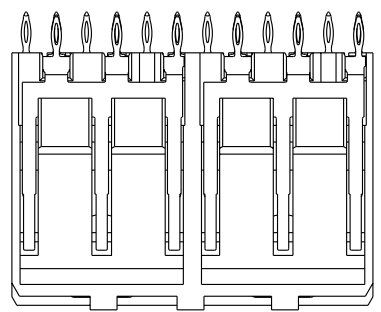


| PRODUCT NUMBER    | PLATING PERFORMANCE LEVEL | APPLICATION |
|-------------------|---------------------------|-------------|
| 10064100-502ZZZ   | TELCORDIA UE              | STANDARD    |
| 10064100-502ZZZLF |                           | LEAD FREE   |
| 10064100-902ZZZ   | TELCORDIA CO              | STANDARD    |
| 10064100-902ZZZLF |                           | LEAD FREE   |

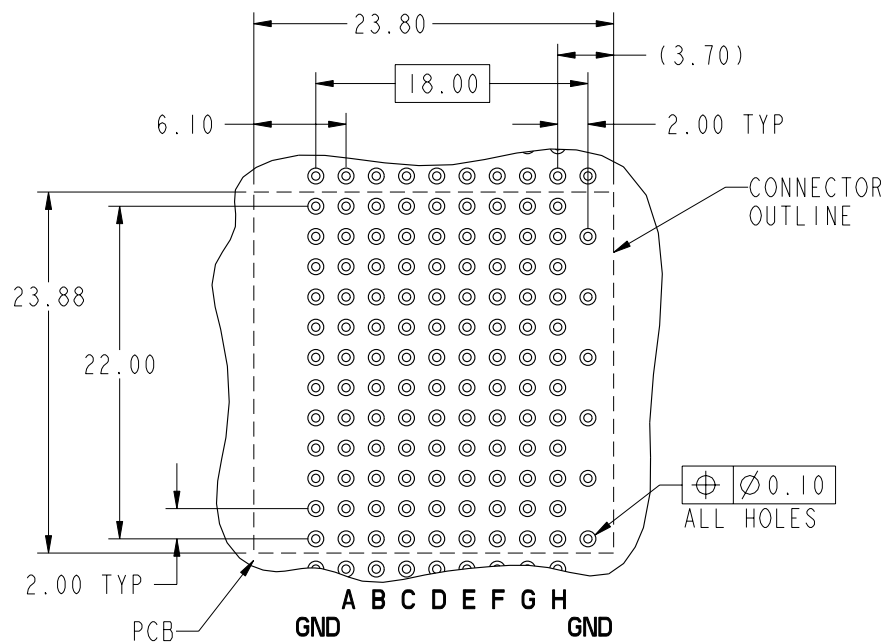


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|             |                |     |            |        |              |                                       |            |          |   |                    |          |
|-------------|----------------|-----|------------|--------|--------------|---------------------------------------|------------|----------|---|--------------------|----------|
| mat'l code  |                |     |            | --     |              | tolerances unless otherwise specified |            | CUSTOMER |   | www.fciconnect.com |          |
| ltr         | ecn no.        | dr  | date       | linear | .XX ± .01    |                                       | COPY       |          | title SIGNAL HEADER 2 MOD, 8 ROW<br>MINI PRESS-FIT, STD |                    |          |
| A           | V05-1105       | LP  | 12/8/05    |        | .XXX ± .005  |                                       | projection |          |   |                    |          |
| B           | V06-0492       | DCH | 2006-05-23 |        | .XXX ± .0020 |                                       |            |          |   |                    |          |
| C           | V07-0185       | DCH | 2007-4-23  | angles | 0° ± 2°      |                                       |            |          | product family METRAL 1000 code                         |                    |          |
|             |                |     |            | dr     | L. POTTEIGER | 12/8/05                               | MM         |          | size  |                    | 213      |
|             |                |     |            | enrg   | J. VOLSTORF  | 12/8/05                               | ← MM →     |          | dwg no  |                    | 1 of 4   |
|             |                |     |            | chr    | J. VOLSTORF  | 12/8/05                               | scale      |          | A   |                    | 10064100 |
|             |                |     |            | appd   | J. VOLSTORF  | 12/8/05                               | 2:1        |          |   |                    |          |
| sheet index | revision sheet | C   | C          | C      | C            | C                                     |            |          |   |                    |          |
|             |                | 1   | 2          | 3      | 4            | 5                                     |            |          |   |                    |          |

PRODUCT NUMBER  
SEE SHEET 1

| PRESS-FIT HOLES             | OPTION 1             | OPTION 2             |
|-----------------------------|----------------------|----------------------|
| HOLE DIAMETER AFTER PLATING | 0.45-0.55            | 0.48-0.57            |
| DRILLED HOLE                | 0.60±0.02            | 0.60±0.02            |
| COPPER PLATING              | 0.025 MIN-0.050 MAX. | 0.025 MIN-0.050 MAX. |
| SnPb PLATING                | 0.005-0.015          | ---                  |



**RECOMMENDED PCB HOLE PATTERN**  
(COMPONENT SIDE)  
SEE NOTE 10 & 14

|             |         |                |      |                                       |                      |            |  |   |  |
|-------------|---------|----------------|------|---------------------------------------|----------------------|------------|--|---|--|
| mat'l code  |         | --             |      | tolerances unless otherwise specified |                      | CUSTOMER   |  | <br>www.fciconnect.com                                  |  |
| ltr         | ecn no. | dr             | date | linear                                | .XX ±.01             | COPY       |  | title SIGNAL HEADER 2 MOD, 8 ROW<br>MINI PRESS-FIT, STD |  |
| C           | -       | -              | -    |                                       | .XXX ±.005           | projection |  |   |  |
|             |         |                |      |                                       | .XXXX ±.0020         |            |  |   |  |
|             |         |                |      | angles                                | 0° ±2°               | <br>MM     |  | product family METRAL 1000 code                         |  |
|             |         |                |      | dr                                    | L. POTTEIGER 12/8/05 | <br>2:1    |  | size  |  |
|             |         |                |      | enr                                   | J. VOLSTORF 12/8/05  | A          |  | dwg no  |  |
|             |         |                |      | chr                                   | J. VOLSTORF 12/8/05  | A          |  | 10064100  |  |
|             |         |                |      | appd                                  | J. VOLSTORF 12/8/05  |            |  | sheet   |  |
| sheet index |         | revision sheet |      |                                       |                      |            |  | 2   |  |
|             |         |                |      |                                       |                      |            |  | 2   |  |

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| SPECIAL LOAD PRODUCT #                                | ROW | PIN CODES |
|---|-----|-----------|
| 10064100-X02001<br>SEE NOTE 18<br>LEAD FREE<br>OPTION | H   | I         |
|   | G   |           |
|   | F   |           |
|   | E   |           |
|   | D   |           |
|   | C   |           |
|   | B   |           |
|   | A   |           |
|   | GND | I         |

| DIM A | PIN CODES |
|-------|-----------|
| 5.00  | 1         |
| 5.75  | 2         |
| 6.50  | 3         |
| 7.25  | 4         |
| 8.00  | *19       |

\* CURRENTLY NOT AVAILABLE

NOTES:

- SEE APPLICATION SPECIFICATION GS-20-014 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS. SEE PRODUCT SPECIFICATION GS-12-185.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994
- 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
- PLATING INFORMATION: PLATING IN CONTACT AREA MEETS PERFORMANCE LEVEL SHOWN IN TABLE ON SHEET I. PLATING ON "LF" TAILS IS Sn ONLY; OTHERS ARE SnPb.
- DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
  - FOR USE WITH METRAL 4000 RECEPTACLES.  
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A,B,D,E,G,H
  - FOR USE WITH METRAL 1000 RECEPTACLES/  
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A,B,C,D,E,F,G,H
  - FOR ROW GND  
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND
- THE MIN PCB THICKNESS FOR FRONT PLUG-UP APPLICATIONS IS 1.6mm.
- 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.
- CURRENT RATING : 1 AMP PER PIN
- TEMPERATURE RANGE : -55°C TO +105°C
- P/N 10064100-X 02 ZZZ

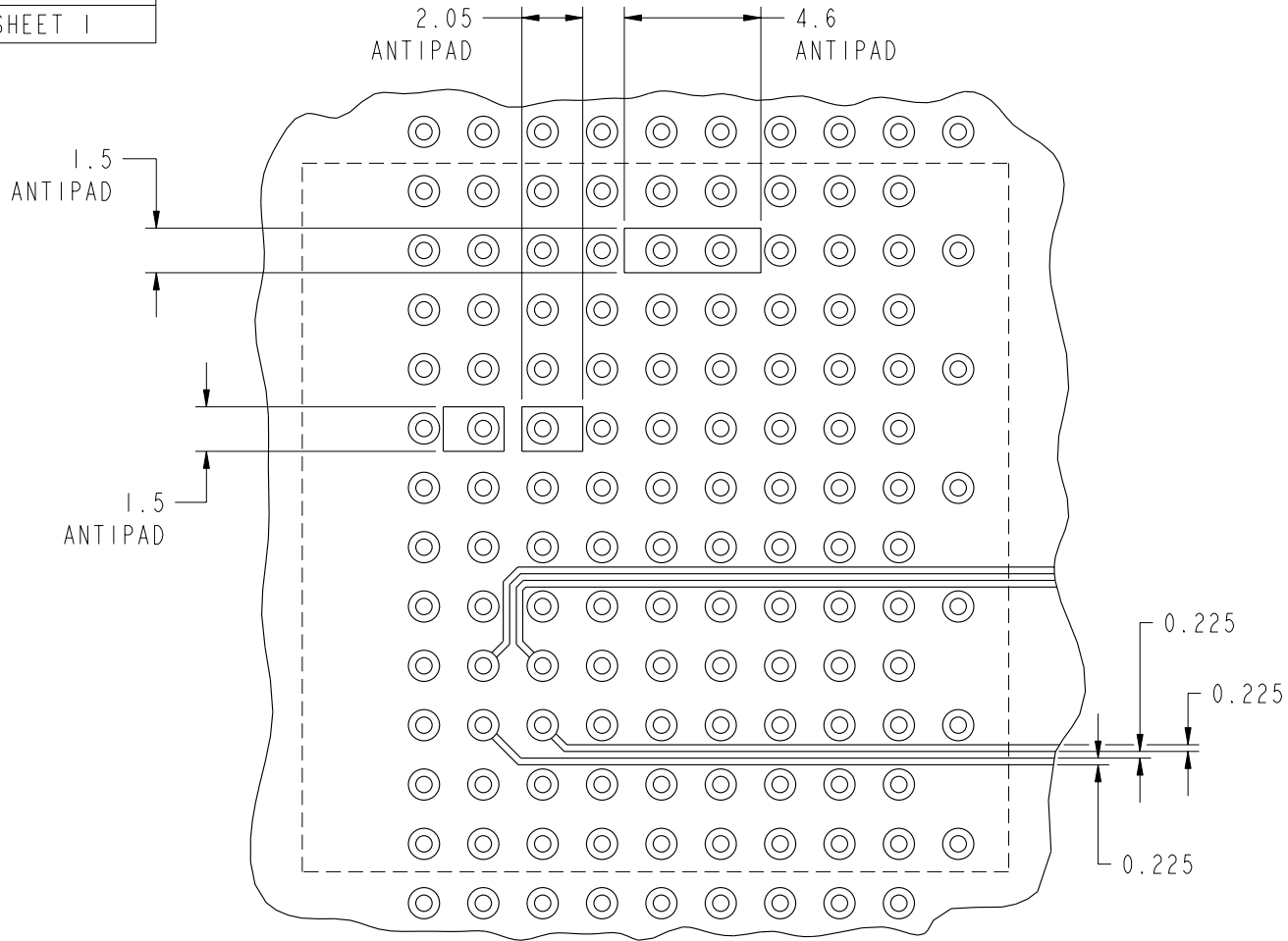


- AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELDS.
- FOR FRONT PLUG-UP APPLICATIONS, IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY 1 AMP.
- AFTER INSERTION INTO, CIRCUIT BOARD WITH QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- FOR LEAD FREE PART NUMBERS, ADD AN 'LF' SUFFIX. EXAMPLE: 10064100-X02001LF.

| mat'l code  |                |    |      | tolerances unless otherwise specified |                      | CUSTOMER | FCi<br>www.fciconnect.com |  |          |
|-------------|----------------|----|------|---------------------------------------|----------------------|----------|---------------------------|--|----------|
| ltr         | ecr no.        | dr | date | linear                                | .XX ±.01             | COPY     | projection                | title<br>SIGNAL HEADER 2 MOD, 8 ROW<br>MINI PRESS-FIT, STD |          |
| C           | -              | -  | -    |                                       | .XXX ±.005           | MM       |                           |  |          |
|             |                |    |      |                                       | .XXXX ±.0020         |          |                           |  |          |
|             |                |    |      | angles                                | 0° ±2°               | scale    | product family            | METRAL 1000  |          |
|             |                |    |      | dr                                    | L. POTTEIGER 12/8/05 | 2:1      | code                      | 213  |          |
|             |                |    |      | enrg                                  | J. VOLSTORF 12/8/05  |          | size                      | dwg no   | 10064100 |
|             |                |    |      | chr                                   | J. VOLSTORF 12/8/05  |          | sheet                     | 3  |          |
|             |                |    |      | appd                                  | J. VOLSTORF 12/8/05  |          |                           |  |          |
| sheet index | revision sheet |    |      |                                       |                      |          |                           |  |          |

PRODUCT NUMBER

SEE SHEET 1



RECOMMENDED TRACK AND ANTIPAD DIMENSIONS  
SCALE 4:1

|             |                |    |      |                                       |                      |            |  |   |  |
|-------------|----------------|----|------|---------------------------------------|----------------------|------------|--|---|--|
| mat'l code  |                |    |      | tolerances unless otherwise specified |                      | CUSTOMER   |  | FCj<br>www.fciconnect.com                               |  |
| ltr         | ecr no.        | dr | date | linear                                | .XX ±.01             | COPY       |  | title SIGNAL HEADER 2 MOD, 8 ROW<br>MINI PRESS-FIT, STD |  |
| C           | -              | -  | -    |                                       | .XXX ±.005           | projection |  |   |  |
|             |                |    |      |                                       | .XXX ±.0020          |            |  |   |  |
|             |                |    |      | angles                                | 0° ±2°               |            |  | product family METRAL 1000 code                         |  |
|             |                |    |      | dr                                    | L. POTTEIGER 12/8/05 | MM         |  | size  |  |
|             |                |    |      | enr                                   | J. VOLSTORF 12/8/05  |            |  | dwg no  |  |
|             |                |    |      | chr                                   | J. VOLSTORF 12/8/05  | 2:1        |  | A   |  |
|             |                |    |      | appd                                  | J. VOLSTORF 12/8/05  |            |  | 10064100  |  |
| sheet index | revision sheet |    |      |                                       |                      |            |  | cage code   |  |
|             |                |    |      |                                       |                      |            |  | 22526   |  |

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