

## NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-003 FOR INSTRUCTIONS ON WIRE INSERTION AND ASSEMBLY OF COMPONENTS FOR CONNECTORS USING THESE SUB-ASSEMBLIES.
2. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
3. THESE PRODUCTS LISTED ON THIS DRAWING WILL NOT WITHSTAND WAVE SOLDER OR REFLOW OPERATIONS.
4. FOR LEAD FREE PART NUMBERS, ADD AN 'LF' SUFFIX. EXAMPLE: 72377-111LF.

## MATERIAL

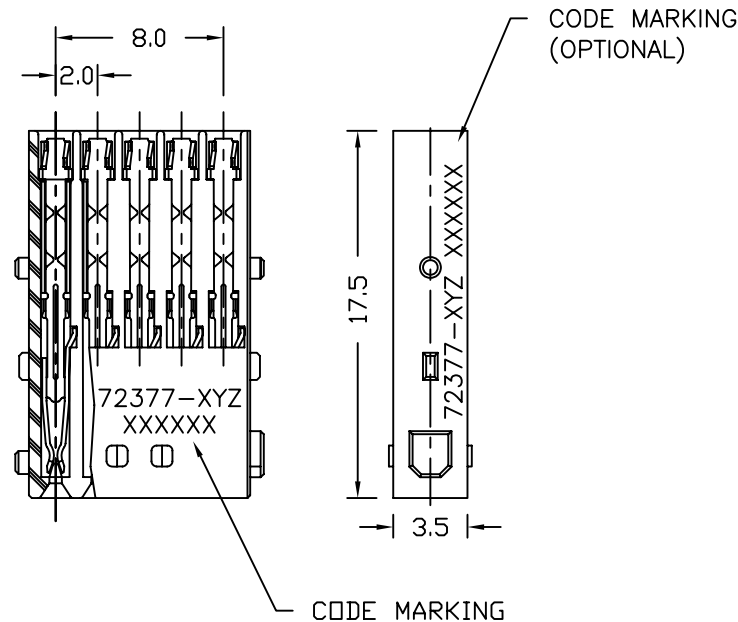
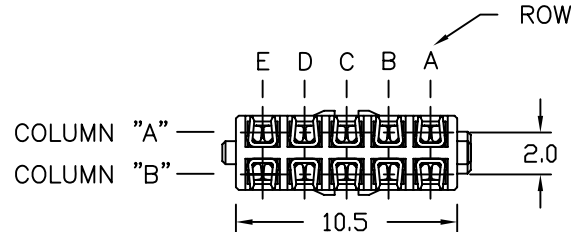
INSULATORS

GLASS FILLED 612 POLYAMIDE

CONTACTS

PHOSPHOR BRONZE

SOLDER FINISH ON IDC DIMPLES



|             |          |          |            |                                                                                       |                                                                                       |                         |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
|-------------|----------|----------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------------|-----------|--|----------------------------------------------------------------------------|--|--|
| mat'l. code |          |          |            | surface<br>ASME Y14.5 ✓                                                               |                                                                                       | tolerance<br>ASME Y14.5 |                                                                                       |  |        | product family<br>METRAL                                                              |              |           |  |                                                                            |  |  |
| ltr         | ecn no   | dr       | date       | tolerances unless otherwise specified                                                 |                                                                                       |                         |                                                                                       |                                                                                       |        |  |              |           |  |                                                                            |  |  |
| A           | V71586   | JRV      | 11/25/97   |  |  | X #3                    |                                                                                       |  |        |                                                                                       |              |           |  | 2X5 CONNECTOR SUB-ASSEM.<br>5 ROW METRAL SHIELDED<br>CABLE CONNECTOR ASSY. |  |  |
| B           | V12562   | CGD      | 10/22/01   |                                                                                       |                                                                                       | .XX #18                 |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
| C           | V21691   | TAB      | 10/28/02   |                                                                                       |                                                                                       | 0° ±2°                  |                                                                                       |                                                                                       |        | .XXX #051                                                                             |              | scale 1:1 |  |                                                                            |  |  |
| D           | V05-0598 | VS       | 08/10/05   | dr                                                                                    | J. VOLSTORF                                                                           | 11/26/97                |  |                                                                                       | dwg no |                                                                                       | sheet 1 of 2 |           |  | size<br>A4                                                                 |  |  |
| E           | V06-0613 | JRV      | 2006-06-22 | engr                                                                                  | J. VOLSTORF                                                                           | 11/26/97                |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
|             |          |          |            | chr                                                                                   | J. VOLSTORF                                                                           | 11/26/97                |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
|             |          |          |            | appd                                                                                  | J. VOLSTORF                                                                           | 11/26/97                |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
| sheet       |          | revision |            | E                                                                                     | E                                                                                     |                         |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
| index       |          | sheet    |            | 1                                                                                     | 2                                                                                     |                         |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
|             |          |          |            |                                                                                       |                                                                                       |                         |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |
|             |          |          |            |                                                                                       |                                                                                       |                         |                                                                                       |                                                                                       |        |                                                                                       |              |           |  |                                                                            |  |  |

## ORDERING INFORMATION

ORDER PARTS 72377-XYZ1 WHERE  
PLATING ON CONTACT TINES.

X=1 FOR 0.8 um GOLD  
X=2 FOR 2.0 um GOLD  
X=3 FOR 1.3 um GOLD  
X=9 FOR 0.8 um GXT

## COPPER WIRE SIZE

Z=1 FOR 26 TO 24 GAGE  
Z=2 FOR 30 TO 28 GAGE

## INSULATOR TYPE

Y=1 END POSITION  
1 REQ'D FOR ALL CABEL  
CONNECTORS  
Y=2 REQ'D FOR ALL REMAINING  
POSITIONS IN CABEL  
CONNECTOR

IDC AREA PLATING SnPb

## ORDERING INFORMATION

ORDER PARTS 72377-XYZ1LF WHERE  
PLATING ON CONTACT TINES.

X=1 FOR 0.8 um GOLD  
X=2 FOR 2.0 um GOLD  
X=3 FOR 1.3 um GOLD  
X=9 FOR 0.8 um GXT

## COPPER WIRE SIZE

Z=1 FOR 26 TO 24 GAGE  
Z=2 FOR 30 TO 28 GAGE

## INSULATOR TYPE

Y=1 END POSITION  
1 REQ'D FOR ALL CABEL  
CONNECTORS  
Y=2 REQ'D FOR ALL REMAINING  
POSITIONS IN CABEL  
CONNECTOR

IDC AREA PLATING Sn (LEAD FREE)

|             |                |    |      |                                       |             |                         |                                                                                       |                                                                                                     |              |                                                                                     |                  |
|-------------|----------------|----|------|---------------------------------------|-------------|-------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|------------------|
| mat'l. code |                |    |      | surface<br>ASME Y14.5                 |             | tolerance<br>ASME Y14.5 |                                                                                       | projection<br> |              | product family<br>METRAL                                                            |                  |
| ltr         | ecr no         | dr | date | tolerances unless otherwise specified |             |                         |                                                                                       | MM<br>         |              | title<br>2X5 CONNECTOR SUB-ASSEM.<br>5 ROW METRAL SHIELDED<br>CABLE CONNECTOR ASSY. |                  |
| E           |                |    |      | angles                                | line        | fe                      | X #3<br>XX #18<br>XXX #051                                                            |                                                                                                     |              |                                                                                     |                  |
|             |                |    |      | 0" ±2"                                |             |                         |                                                                                       | scale 1:1                                                                                           |              | dwg no                                                                              |                  |
|             |                |    |      | dr                                    | J. VOLSTORF | 11/26/97                |  |                                                                                                     | sheet 2 of 2 |                                                                                     | size             |
|             |                |    |      | engr                                  | J. VOLSTORF | 11/26/97                |                                                                                       |                                                                                                     | 72377        |                                                                                     | A4               |
|             |                |    |      | chr                                   | J. VOLSTORF | 11/26/97                |                                                                                       |                                                                                                     | type         |                                                                                     | CUSTOMER Drawing |
|             |                |    |      | appd                                  | J. VOLSTORF | 11/26/97                |                                                                                       |                                                                                                     |              |                                                                                     |                  |
| sheet index | revision sheet |    |      |                                       |             |                         |                                                                                       |                                                                                                     |              |                                                                                     |                  |