

PRODUCT NO.  
72476-WXY1  
72476-WXY1LF

PRODUCT NO.  
72476-W1Y1

PRODUCT NO.  
72476-W2Y1

STANDARD LATCH

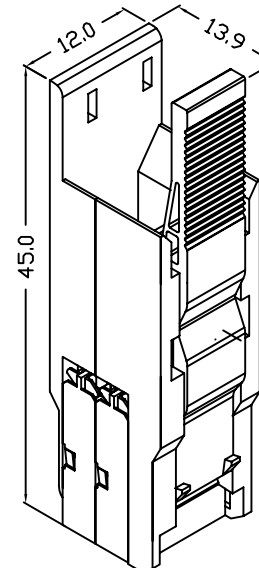
SHORT LATCH

COVER LATCH SIDE

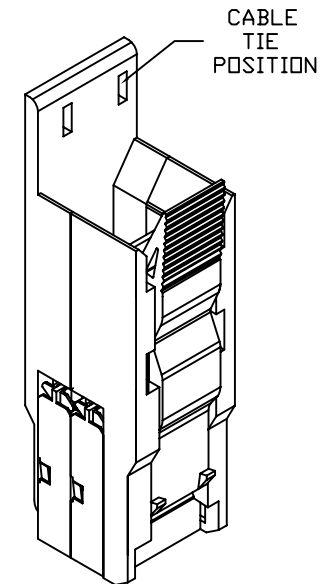
OPTIONAL CODING KEY

COVER NON-LATCH SIDE

CONNECTOR SUB-ASSEMBLY



STANDARD LATCH FINGER  
FOR CABLE TIE BELOW  
LATCH FINGER AND EASIEST  
ACCESS TO LATCH FINGER



SHORT LATCH FINGER  
FOR CABLE TIE ABOVE  
LATCH FINGER AND LARGER  
CABLE SIZE CAPACITY

| mat'l. code |          |     |            | surface    |      | tolerance                             | projection | product family      |  |
|-------------|----------|-----|------------|------------|------|---------------------------------------|------------|---------------------|--|
| SEE NOTES   |          |     |            | ASME Y14.5 |      | ASME Y14.5                            |            | METRAL CABLE        |  |
| ltr         | ec'n no  | dr  | date       | angles     | line | tolerances unless otherwise specified | MM         | title               |  |
| A           | V71561   | JRV | 11/5/97    |            |      | X ±3                                  |            | 4X6 UNSHIELDED      |  |
| B           | V12695   | EPK | 11/14/01   |            |      | XX ±18                                |            | CABLE CONNECTOR KIT |  |
| C           | V05-0599 | VS  | 09/08/05   | 0° ±2°     |      | XXX ±051                              | scale 1:1  | dwg no              |  |
| D           | V06-0613 | JRV | 2006-06-22 |            | dr   | J.VOLSTROF                            | 11/5/97    | sheet 1 of 3        |  |
|             |          |     |            |            | engr | J.VOLSTROF                            | 11/5/97    | 72476               |  |
|             |          |     |            |            | chr  | J.VOLSTROF                            | 11/5/97    | size                |  |
|             |          |     |            |            | appd | J.VOLSTROF                            | 11/5/97    | A4                  |  |
| sheet       | revision | D   | D          | D          |      |                                       |            | type                |  |
| index       | sheet    | 1   | 2          | 3          |      |                                       |            | CUSTOMER Drawing    |  |

PRODUCT NO.  
 72476-WXY1

## NOTES:

- SEE APPLICATION SPECIFICATION GS-20-002 FOR INSTRUCTIONS ON WIRE INSERTION AND ASSEMBLY OF COMPONENTS FOR CONNECTORS.
- PLUGS INTO STANDARD METRAL 4-ROW HEADERS AND SHROUDS.
- MAXIMUM CABLE DIAMETER  
STANDARD LATCH = 6.0mm  
SHORT LATCH = 9.0mm  
\* THE USE OF MULTIPLE CABLES OR THE STRIPPING OF THE CABLE JACKET WILL ALLOW THE USER TO OVERCOME SOME RESTRICTIONS.
- THE PRODUCTS WHERE THE PART NUMBERS END IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THESE PRODUCTS LISTED ON THIS DRAWING WILL NOT WITHSTAND WAVE SOLDER OR REFLOW OPERATIONS.
- FOR LEAD FREE PART NUMBERS, ADD AN 'LF' SUFFIX.  
EXAMPLE: 72476-WXY1LF

ORDERING INFORMATION FOR KITS AND PARTS  
 EACH KIT (CONNECTOR) CONSISTS OF:  
 2 CONNECTOR SUB-ASSEMBLIES  
 1 COVER, NON-LATCH SIDE  
 1 COVER, LATCH SIDE  
 1 LATCH FINGER

ORDER KITS 72476-WXY1 WHERE  
 PLATING ON CONTACT AREA.  
 W=1 FOR 0.8 um GOLD  
 W=2 FOR 2.0 um GOLD  
 W=3 FOR 1.3 um GOLD  
 W=9 FOR 0.8 um GXT

LATCH FINGER SIZE  
 X=1 FOR STANDARD LATCH FINGER  
 X=2 FOR SHORT LATCH FINGER  
 COPPER WIRE SIZE  
 Y=1 FOR 26 TO 24 GAGE  
 Y=2 FOR 30 TO 28 GAGE

## MATERIAL

INSULATORS, COVERS AND KEYS  
 GLASS FILLED 612 POLYAMIDE (UL 94 V-0)  
 LATCH FINGERS  
 POLYETHERIMIDE (UL 94 V-0)  
 CONTACTS  
 PHOSPHOR BRONZE  
 SnPb FINISH ON IDC DIMPLES

## OPTIONAL CODING KEYS

PART NUMBER 72388-0AA1  
 18 VARIETIES AA = 01 TO 18  
 USE IN CONJUNCTIONS WITH HEADER CODING  
 KEYS 70274-001 KEYS 1 TO 18 RESPECTIVELY

## COMPONENT PART NUMBERS AND INFORMATION

CONNECTOR SUBASSEMBLY  
 PART NUMBER 72394-W1Y1  
 \* 2 REQUIRED PER CONNECTOR  
 PLATING ON CONTACT AREA.  
 W=1 FOR 0.8 um GOLD  
 W=2 FOR 2.0 um GOLD  
 W=3 FOR 1.3 um GOLD  
 W=9 FOR 0.8 um GXT  
 COPPER WIRE SIZE  
 Y=1 FOR 26 TO 24 GAGE  
 Y=2 FOR 30 TO 28 GAGE

COVER, LATCH SIDE  
 PART NUMBER 72395-0021  
 COVER, NON-LATCH SIDE  
 PART NUMBER 72395-0011  
 SHORT LATCH FINGER  
 PART NUMBER 72389-0011  
 STANDARD LATCH FINGER  
 PART NUMBER 70289-001

| mat'l. code<br>SEE NOTES |          |    |      | surface<br>ASME Y14.5                 | tolerance<br>ASME Y14.5    | projection                                                                                               | product family<br>METRAL CABLE        |  |  |
|--------------------------|----------|----|------|---------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------|--|--|
| ltr                      | ecr no   | dr | date | tolerances unless otherwise specified |                            | <br>MM<br>scale 1:1 | title                                 |  |  |
| d                        |          |    |      | angles                                | X ±3<br>XX ±18<br>XXX ±051 |                                                                                                          | 4X6 UNSHIELDED<br>CABLE CONNECTOR KIT |  |  |
|                          |          |    |      | dr                                    | J.VOLSTROF                 | 11/5/97                                                                                                  | dwg no                                |  |  |
|                          |          |    |      | engr                                  | J.VOLSTROF                 | 11/5/97                                                                                                  | sheet 2 of 3                          |  |  |
|                          |          |    |      | chr                                   | J.VOLSTROF                 | 11/5/97                                                                                                  | 72476                                 |  |  |
|                          |          |    |      | appd                                  | J.VOLSTROF                 | 11/5/97                                                                                                  | type                                  |  |  |
| sheet                    | revision |    |      |                                       |                            |                                                                                                          | CUSTOMER Drawing                      |  |  |
| index                    | sheet    |    |      |                                       |                            |                                                                                                          |                                       |  |  |

PRODUCT NO.  
 72476-WXY1LF

SEE NOTE 6

ORDERING INFORMATION FOR KITS AND PARTS  
 EACH KIT (CONNECTOR) CONSISTS OF:  
 2 CONNECTOR SUB-ASSEMBLIES  
 1 COVER, NON-LATCH SIDE  
 1 COVER, LATCH SIDE  
 1 LATCH FINGER

ORDER KITS 72476-WXY1LF WHERE  
 PLATING ON CONTACT AREA.

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

LATCH FINGER SIZE

X=1 FOR STANDARD LATCH FINGER  
 X=2 FOR SHORT LATCH FINGER

COPPER WIRE SIZE

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

## MATERIAL

INSULATORS, COVERS AND KEYS  
 GLASS FILLED 612 POLYAMIDE (UL 94 V-0)  
 LATCH FINGERS  
 POLYETHERIMIDE (UL 94 V-0)  
 CONTACTS  
 PHOSPHOR BRONZE  
 SN SOLDER FINISH ON IDC DIMPLES (LEAD FREE)

## OPTIONAL CODING KEYS

PART NUMBER 72388-OAA1LF  
 18 VARIETIES AA = 01 TO 18  
 USE IN CONJUNCTIONS WITH HEADER CODING  
 KEYS 70274-001 KEYS 1 TO 18 RESPECTIVELY

## COMPONENT PART NUMBERS AND INFORMATION

## CONNECTOR SUBASSEMBLY

PART NUMBER 72394-W1Y1LF  
 \* 2 REQUIRED PER CONNECTOR

PLATING ON CONTACT AREA.

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

COPPER WIRE SIZE

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

COVER, LATCH SIDE

PART NUMBER 72395-0021LF

COVER, NON-LATCH SIDE

PART NUMBER 72395-0011LF

SHORT LATCH FINGER

PART NUMBER 72389-0011LF

STANDARD LATCH FINGER

PART NUMBER 70289-001LF

| mat'l. code |          |    |      | surface                               |            | tolerance  | projection                                                                            | product family                        |  |
|-------------|----------|----|------|---------------------------------------|------------|------------|---------------------------------------------------------------------------------------|---------------------------------------|--|
| SEE NOTES   |          |    |      | ASME Y14.5                            | ASME Y14.5 | ASME Y14.5 |                                                                                       | METRAL CABLE                          |  |
| ltr         | ecr no   | dr | date | tolerances unless otherwise specified |            |            | MM                                                                                    | title                                 |  |
| D           |          |    |      | angles                                | XX ±3      | XX ±18     |                                                                                       | 4X6 UNSHIELDED<br>CABLE CONNECTOR KIT |  |
|             |          |    |      | 0° ±2°                                | XXX ±051   |            | scale 1:1                                                                             | dwg no                                |  |
|             |          |    |      | dr                                    | J.VOLSTROF | 11/5/97    |  | sheet 3 of 3                          |  |
|             |          |    |      | engr                                  | J.VOLSTROF | 11/5/97    |                                                                                       | 72476                                 |  |
|             |          |    |      | chr                                   | J.VOLSTROF | 11/5/97    |                                                                                       | A4                                    |  |
|             |          |    |      | appd                                  | J.VOLSTROF | 11/5/97    |                                                                                       | type CUSTOMER Drawing                 |  |
| sheet       | revision |    |      | index                                 | sheet      |            |                                                                                       |                                       |  |