

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0014441611](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Male, Single Row, Version D, Back Ribs, for Wire Size 26, 0.38µm (15µ") Gold (Au), 11 Circuits

**Documents:**  
[3D Model](#) [Product Specification PS-70400 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family Ribbon Cable / Wire Trap Connectors  
Series [70475](#)  
Comments Terminals Preloaded  
Component Type Housing  
Glow-Wire Compliant No  
Overview [cgrid\\_sl\\_products](#)  
Product Name SL™

**Physical**

Circuits (Loaded) 11  
Durability (mating cycles max) 50  
Entry Angle Vertical  
Flammability 94V-0  
Lock to Mating Part None  
Number of Rows 1  
PCB Retention None  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.100 In  
Pitch - Mating Interface (mm) 2.54 mm  
Polarized to Mating Part No  
Stackable Yes  
Surface Mount Compatible (SMC) N/A  
Temperature Range - Operating -40°C to +105°C  
Wire Insulation Diameter 1.35mm (.053") max.  
Wire Size AWG 26  
Wire/Cable Type Discrete Wire, Ribbon Cable

**Electrical**

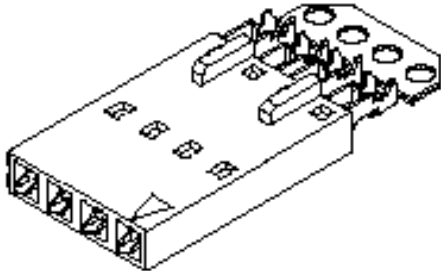
Current - Maximum per Contact 1.8A  
Voltage - Maximum 250V

**Material Info**

Old Part Number 70475-0780

**Reference - Drawing Numbers**

Product Specification PS-70400



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[70475Series](#)

**Mates With**

[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

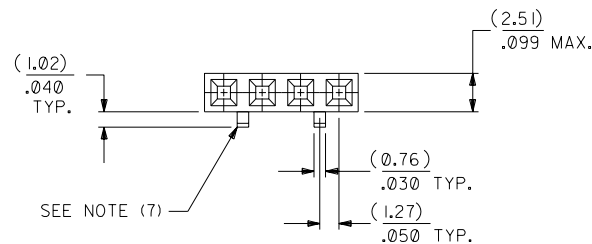
**Use With**

[7307](#) Tinned 28AWG, [7767](#) Topcoat 28AWG, [24241](#) Tinned 26AWG, [8996](#) Topcoat 26AWG, [24226](#) Tinned 24AWG, [8997](#) Topcoat 24AWG, [24369](#) High Flex 26AWG, [24389](#) High Flex 24AWG

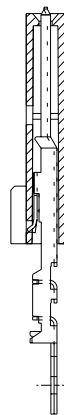
OPTION D

NOTES:

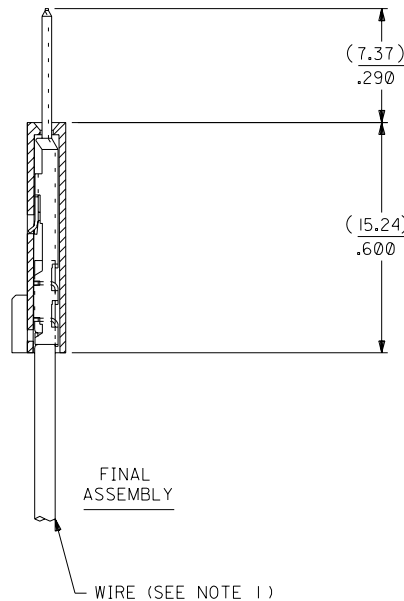
- 1) TO BE USED WITH (26 ) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70475.
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: PS-70475.
- 6) SEE DWG. SDA-70475-\*\*\*\* (SHT.3) FOR OPTIONAL HOUSING DETAILS.
- 7) 4 CIRCUIT SHOWN. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70018-\*\*\*\*, 70022-\*\*\*\*, 70104-\*\*\*\*.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



## SECTION C-C

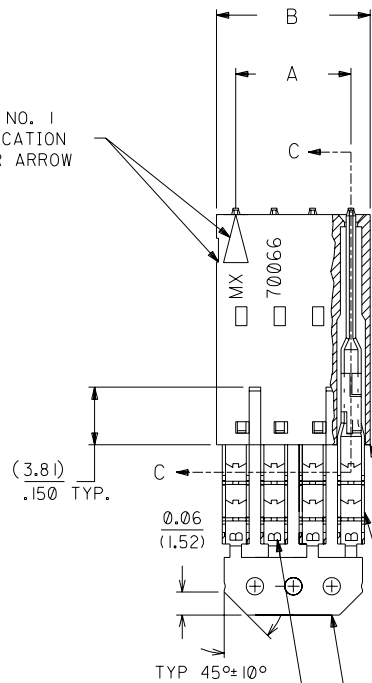
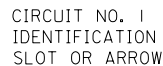


PRE-LOADED  
- ASSEMBLY



FINAL  
ASSEMBLY

WIRE (SEE NOTE 1)



TYP  $45^{\circ} \pm 10^{\circ}$

HOUSING PART NO. 70066-\*\*\*\*  
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70110-\*\*\*\*  
MATERIAL: PHOSPHOR BRONZE  
PLATING PER ES-88-\*\*\*

15 GOLD - .000015 MINIMUM GOLD IN SELECT AREA WITH  
.000075 MINIMUM TIN  
IN SELECT AREA OVER .000050 MINIMUM NICKEL  
OVER-ALL.

\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

| I.D. SLOT CODE TO WIRE GAUGE CHART |            |
|------------------------------------|------------|
| I.D. SLOT CODE                     | WIRE GAUGE |
| B                                  | 26 AWG.    |

| PLATING CODE (STRIPE ON CARRIER STRIP) |        |
|----------------------------------------|--------|
| PLATING                                | COLOR  |
| I5 GOLD                                | YELLOW |

| CKT.<br>SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|--------------|--------------------|--------------------|------------|--------------|
| 2            | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-44-1602 | A-70475-0771 |
| 3            | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-44-1603 | A-70475-0772 |
| 4            | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-44-1604 | A-70475-0773 |
| 5            | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-44-1605 | A-70475-0774 |
| 6            | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-44-1606 | A-70475-0775 |
| 7            | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-44-1607 | A-70475-0776 |
| 8            | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-44-1608 | A-70475-0777 |
| 9            | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-44-1609 | A-70475-0778 |
| 10           | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-44-1610 | A-70475-0779 |
| 11           | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-44-1611 | A-70475-0780 |
| 12           | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-44-1612 | A-70475-0781 |
| 13           | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-44-1613 | A-70475-0782 |
| 14           | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-44-1614 | A-70475-0783 |
| 15           | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-44-1615 | A-70475-0784 |
| 16           | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-44-1616 | A-70475-0785 |
| 17           | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-44-1617 | A-70475-0786 |
| 18           | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-44-1618 | A-70475-0787 |
| 19           | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-44-1619 | A-70475-0788 |
| 20           | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-44-1620 | A-70475-0789 |
| 21           | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-44-1621 | A-70475-0790 |
| 22           | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-44-1622 | A-70475-0791 |
| 23           | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-44-1623 | A-70475-0792 |
| 24           | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-44-1624 | A-70475-0793 |
| 25           | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-44-1625 | A-70475-0794 |

|        |  |        |  |                                                              |  |                                                                   |  |                                                                                                                        |  |
|--------|--|--------|--|--------------------------------------------------------------|--|-------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
|        |  | E      |  | REVISED PER<br>ECR NO. U82124<br>10-17-88 MGB                |  | DIMENSIONS SHOWN METRIC INCH                                      |  | ▽ = ▽ = REVISE ONLY ON CAD SYSTEM                                                                                      |  |
| F      |  | D      |  | LEAD FREE<br>UCP2004-1769<br>RWWHITE 04/03/24                |  | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 1/2°          |  | TITLE                                                                                                                  |  |
|        |  |        |  | D                                                            |  | INCH METRIC                                                       |  | ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW- (2.54) x .100 GRID)                                                             |  |
|        |  |        |  | C                                                            |  | 3 PLACE ± .010 ---<br>2 PLACE ± .014 ± 0.25<br>1 PLACE --- ± 0.35 |  |                                                                                                                        |  |
| E I    |  | C      |  | ADD CARRIER CHAMF<br>ECR = UDT1998-0280<br>05/20/98 LMCGRATH |  | DRAWING WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS         |  | MOLEX INCORPORATED<br>LITTLE ROCK, AR 68052 U.S.A.                                                                     |  |
|        |  |        |  | L.T.R.                                                       |  | REVISIONS                                                         |  | SHEET NO. 1 DATE 10/13/84                                                                                              |  |
|        |  |        |  | L.T.R.                                                       |  | REVISIONS                                                         |  | PART NO. SEE CHART DRWG. NO. SDA-70475-0771-0794                                                                       |  |
| L.T.R. |  | L.T.R. |  | REVISIONS                                                    |  | REVISIONS                                                         |  | FILE NAME S704750X5                                                                                                    |  |
|        |  |        |  | L.T.R.                                                       |  | REVISIONS                                                         |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |
|        |  |        |  | L.T.R.                                                       |  | REVISIONS                                                         |  | DIV. SIZE                                                                                                              |  |