

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0014445402  
**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 22, 0.76µm (30µ") Gold (Au), 2 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) 2  
Color - Resin Black  
Durability (mating cycles max) 50  
Entry Angle Vertical  
Flammability 94V-0  
Lock to Mating Part None  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin Polyester Alloy  
Number of Rows 1  
PCB Retention None  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.100 In  
Pitch - Mating Interface (mm) 2.54 mm  
Plating min: Mating (µin) 30  
Plating min: Mating (µm) 0.76  
Plating min: Termination (µin) 75  
Plating min: Termination (µm) 1.91  
Polarized to Mating Part No  
Stackable Yes  
Surface Mount Compatible (SMC) N/A  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style IDT or Pierce  
Wire Insulation Diameter 1.35mm (.053") max.  
Wire Size AWG 22  
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact 3A  
Voltage - Maximum 250V

Material Info

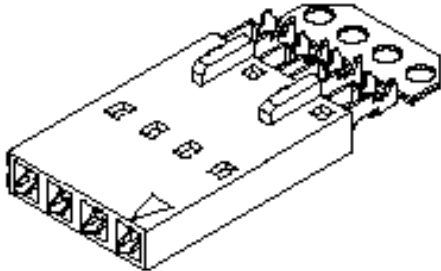


image - Reference only

Series

**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

Old Part Number

70475-2521

**Reference - Drawing Numbers**

Product Specification

PS-70400

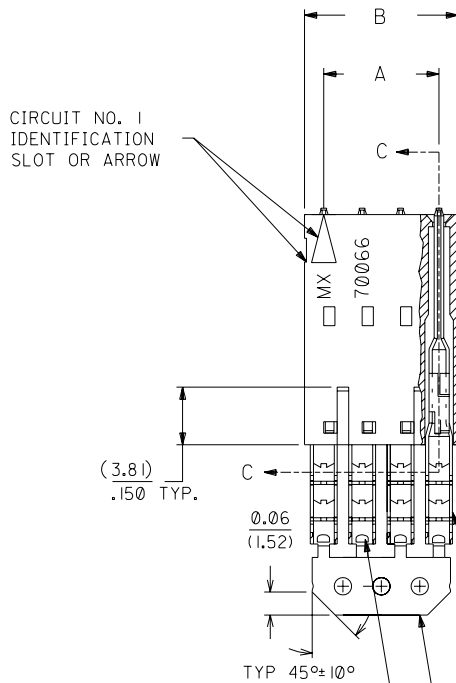
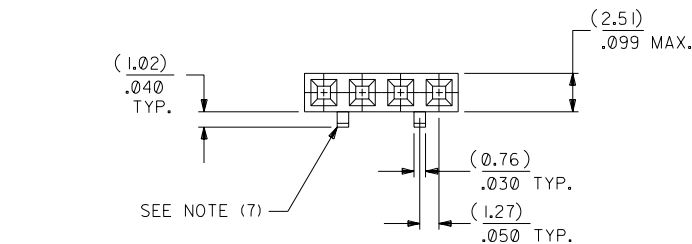
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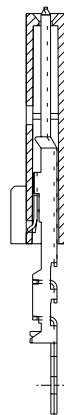
OPTION D

NOTES:

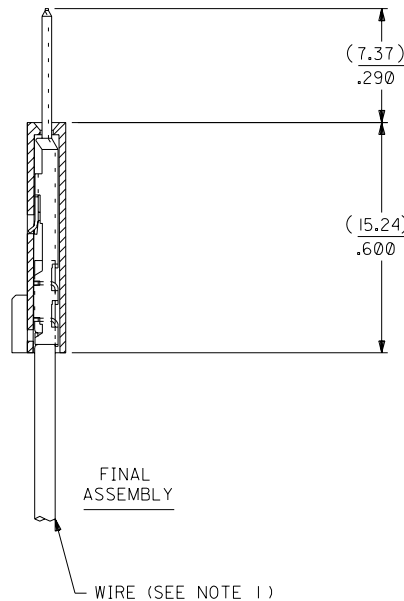
- 1) TO BE USED WITH (22 ) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70475.
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: 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)

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

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

30 GOLD - .000030 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 |
| D                                  | 22 AWG.    |

| PLATING CODE (STRIPE ON CARRIER STRIP) |       |
|----------------------------------------|-------|
| PLATING                                | COLOR |
| 30 GOLD                                | RED   |

|      |                                                             |  |      |                                                          |
|------|-------------------------------------------------------------|--|------|----------------------------------------------------------|
|      |                                                             |  | C    | REVISED PER<br>ECR NO. U82124<br>10-17-88<br>MGM         |
| D    | LEAD FREE<br>UCP2004-1769<br>RWHITE 04/03/24                |  | B    | REVISE PER<br>ECR #UB1370<br>5/20/88<br>MGM              |
| C1   | ADD CARRIER CHAMF<br>ECN #UDT1998-0280<br>05/20/98 LMCGRATH |  | A    | RELEASE FOR PROD<br>PER ECR NO. 25618<br>11-30-87<br>AAB |
| LTR. | REVISIONS                                                   |  | LTR. | REVISIONS                                                |

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED  
TOLERANCES: ANGULAR =  $1/2^\circ$

|         | INCH       | METRIC     |
|---------|------------|------------|
| 3 PLACE | $\pm .010$ | ---        |
| 2 PLACE | $\pm .014$ | $\pm 0.25$ |
| 1 PLACE | ---        | $\pm 0.35$ |

DRAFT WHERE APPLICABLE MUST  
REMAIN WITHIN DIMENSIONS

DRWG. BY: AAB CHK'D. BY:   
 APP'D. WAZ SCALE: 4 :

|                                                                                                                                                                                 |                                                                                                                        |                                 |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|
|  =  = |                                                                                                                        | REVISE ONLY ON CAD SYSTEM       |              |
| TITLE                                                                                                                                                                           |                                                                                                                        |                                 |              |
| ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW - (2.54) x .100 GRID)                                                                                                                     |                                                                                                                        |                                 |              |
|  MOLEK INCORPORATED<br>ESLJLL, 60932 U.S.A.                                                |                                                                                                                        | SHEET NO.                       | DATE         |
| PART NO.                                                                                                                                                                        |                                                                                                                        | 1                               | 11/30/87     |
| SEE CHART                                                                                                                                                                       |                                                                                                                        | DRAWING NO. SDA-70475-2521-2544 |              |
| FILE NAME<br>74752521<br>02521                                                                                                                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEK INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                 | DIV.<br>SIZE |