

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0014563118**  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 28, 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 [70400](#)  
 Comments Terminals Preloaded  
 Component Type Housing  
 Glow-Wire Compliant No  
 Overview [cgrid\\_sl\\_products](#)  
 Product Name SL™

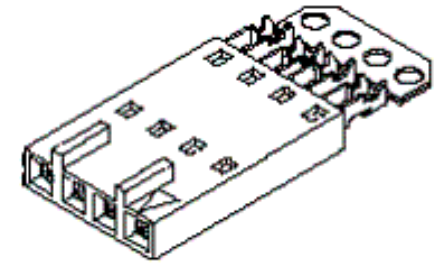
**Physical**

Circuits (Loaded) 11  
 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) 15  
 Plating min: Mating (µm) 0.375  
 Plating min: Termination (µin) 75  
 Plating min: Termination (µm) 1.875  
 Polarized to Mating Part Yes  
 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 28  
 Wire/Cable Type Discrete Wire, Ribbon Cable

**Electrical**

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

**Material Info**



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**

[70400Series](#)

**Mates With**

[70544](#), [70546](#), [70554](#) , [70556](#)

**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

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description   | Product #                  |
|---|----------------------------|
| Hawk Semi-Automatic Discrete Wire Terminator for SL - Rebuilt US* | <a href="#">0011201337</a> |

## Reference - Drawing Numbers

Product Specification  
Sales Drawing

PS-70400  
SDA-70400-0911-0934

|  |                   |
|--|-------------------|
| Hawk™ Ribbon<br>Cable Terminator for<br>SL without Break-off                             | <u>0623003000</u> |
| Hawk™ Semi-<br>Automatic Discrete<br>Wire Terminator<br>for SL - Rebuilt CE<br>Approved* | <u>0623004900</u> |
| Hawk™ Flat Flex<br>Cable Terminator for<br>SL with Break-off                             | <u>0623005200</u> |
| Hawk™ Ribbon<br>Cable Terminator<br>with for SL Break-off                                | <u>0623005300</u> |
| IDT Discrete<br>Handtool Module for<br>SL™   | <u>0621000700</u> |
| Hawk™ Semi-<br>Automatic Discrete<br>Wire Terminator for<br>SL                           | <u>0623003100</u> |

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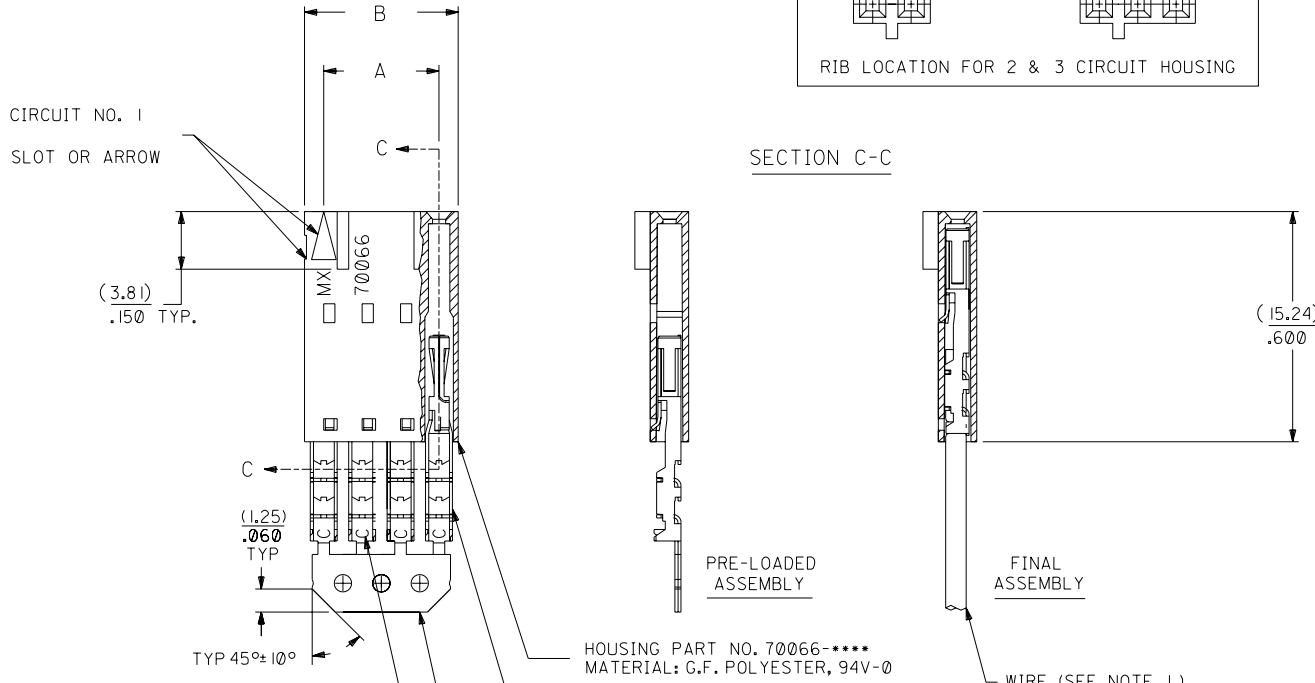
# OPTION C

## NOTES:

- TO BE USED WITH (28) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- SEE CHART FOR CIRCUIT SIZES.
- STANDARD PACKAGING PER PK-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70400
- PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- REFER TO PRODUCT SPECIFICATION: PS-70400.
- SEE DWG. SDA-70400-\*\*\*\*\* (SHT. 5) FOR OPTIONAL HOUSING DETAILS.
- 4 CIRCUIT SHOWN. 4 - 25 CKT.'S. HAVE (2) RIBS.
- TO MATE WITH MOLEX PART NO.'S.: A-70374-\*\*\*\*, A-70376-\*\*\*\*, A-70390-\*\*\*\*, A-70392-\*\*\*\*, A-70544-\*\*\*\*, A-70554-\*\*\*\*, A-70542-\*\*\*\*, A-70552-\*\*\*\*, A-70546-\*\*\*\*, A-70556-\*\*\*\*.
- 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



## SECTION C-C



| I.D. SLOT CODE TO WIRE GAUGE CHART |            |
|------------------------------------|------------|
| I.D. SLOT CODE                     | WIRE GAUGE |
| C                                  | 28 AWG.    |

| PLATING CODE (STRIPE ON CARRIER STRIP) |        |
|--|--------|
| PLATING                                | COLOR  |
| 15 GOLD                                | YELLOW |

TERMINAL PART NO. 70028-\*\*\*\*\*  
MATERIAL: PHOSPHOR BRONZE  
PLATING PER ES-88-\*\*\*

15 GOLD - .000015 MIN. GOLD IN SELECT AREA WITH  
.000075 MIN. TIN  
IN SELECT AREA OVER .000050 MIN. 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.

| CKT. SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|-----------|--------------------|--------------------|------------|--------------|
| 2         | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-56-3028 | A-70400-0911 |
| 3         | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-56-3038 | A-70400-0912 |
| 4         | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-56-3048 | A-70400-0913 |
| 5         | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-56-3058 | A-70400-0914 |
| 6         | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-56-3068 | A-70400-0915 |
| 7         | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-56-3078 | A-70400-0916 |
| 8         | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-56-3088 | A-70400-0917 |
| 9         | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-56-3098 | A-70400-0918 |
| 10        | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-56-3108 | A-70400-0919 |
| 11        | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-56-3118 | A-70400-0920 |
| 12        | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-56-3128 | A-70400-0921 |
| 13        | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-56-3138 | A-70400-0922 |
| 14        | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-56-3148 | A-70400-0923 |
| 15        | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-56-3158 | A-70400-0924 |
| 16        | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-56-3168 | A-70400-0925 |
| 17        | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-56-3178 | A-70400-0926 |
| 18        | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-56-3188 | A-70400-0927 |
| 19        | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-56-3198 | A-70400-0928 |
| 20        | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-56-3208 | A-70400-0929 |
| 21        | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-56-3218 | A-70400-0930 |
| 22        | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-56-3228 | A-70400-0931 |
| 23        | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-56-3238 | A-70400-0932 |
| 24        | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-56-3248 | A-70400-0933 |
| 25        | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-56-3258 | A-70400-0934 |

| REV. | DATE | DESCRIPTION                                   | BY   | CHK'D.    |
|------|------|---|------|-----------|
| E    |      | REVISED PER ECR NO. U82110 10-17-88 BJS       |      |           |
| F    |      | LEAD FREE UCP2004-1769 RWHITE 04/03/17        |      |           |
| D    |      | REVISE PER ECR #U80110 2/3/88 MJM             |      |           |
| EI   |      | ADD CARRIER CHAMF ECR# 8842 05/20/98 LMCGRATH |      |           |
| C    |      | REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.          |      |           |
| LTR. |      | REVISIONS                                     | LTR. | REVISIONS |

| DIMENSIONS SHOWN (METRIC) INCH                        |                |
|---|----------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° |                |
| 3 PLACE   | ± .010         |
| 2 PLACE   | ± .014 ± 0.25  |
| 1 PLACE   | ± 0.35         |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                |
| DRWG. BY: WAZ   | CHK'D. BY: WAZ |
| APP'D. BY:  | SCALE: 4:1     |

| REVISE ONLY ON CAD SYSTEM                      |  |
|--|--|
| TITLE  | ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)  |
| MOLEX INCORPORATED<br>LITSE, ILL. 60532 U.S.A. | SHEET NO. 10 / 11/84   |
| PART NO. SDA-70400-0911-0934                   | DRWG. NO. SDA-70400-0911-0934  |
| FILE NAME: S70400CK6                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |
| MFG. SH. REV.                                  | DA C   |