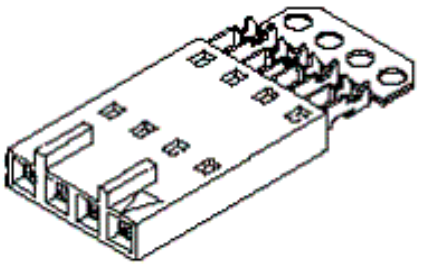
This document was generated on 05/21/2010

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

**Part Number:** 0014568180
**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 22, 0.76µm (30µ") Gold (Au), 18 Circuits



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Product Specification PS-70400 (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) | 18 |
| 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) | 0.75 |
| 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 | 22 |
| Wire/Cable Type | Discrete Wire, Ribbon Cable |

## Electrical

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

## Material Info

**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
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**

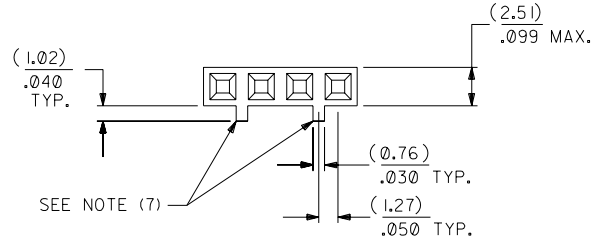
| Description | Product # |
|---|---|
| Hawk Semi-Automatice Discrete Wire Terminator for SL - Rebuilt US* | 0011201337 |

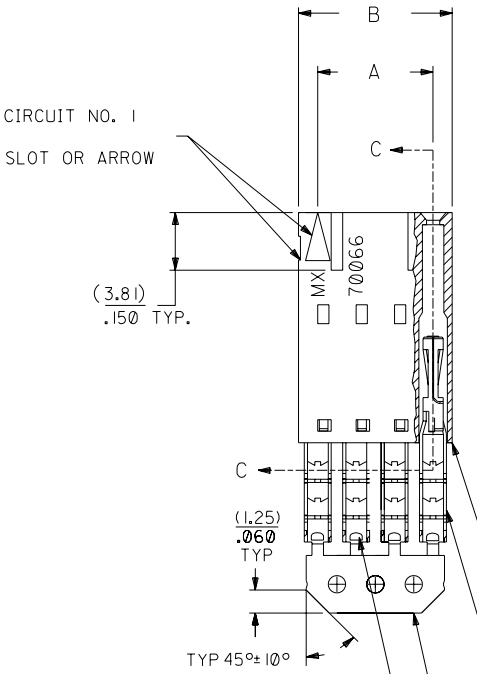
## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-70400 |
| Sales Drawing | SDA-70400-3385-3408 |

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

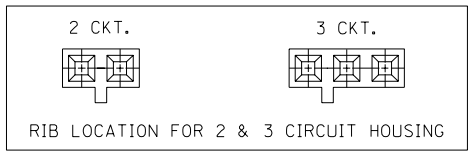
# OPTION C



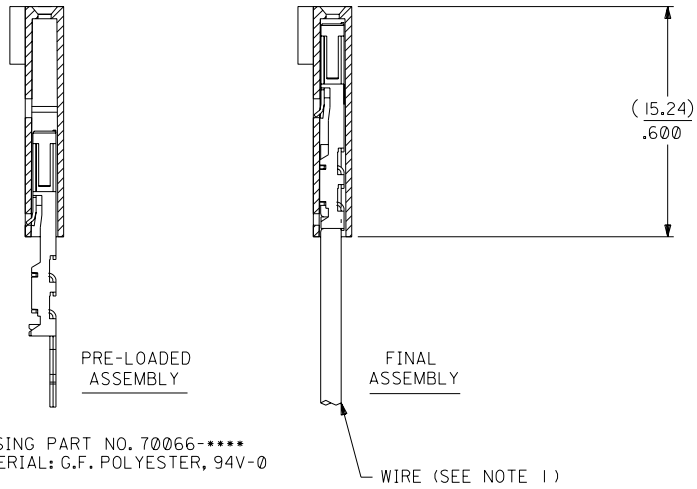




## NOTES:

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-70400
4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
5) REFER TO PRODUCT SPECIFICATION: PS-70400.
6) SEE DWG. SDA-70400-**** (SHT. 5) FOR OPTIONAL HOUSING DETAILS.
7) 4 CIRCUIT SHOWN. 4 - 25 CKT'S. HAVE (2) RIBS.
8) 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-****.
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.




SECTION C-C




| CKT. SIZE | A | B | EDP. NO. | ENG. NO. |
|---|---|---|---|---|
| 2 | (2.54) .100 | (5.05) .199 | 14-56-8020 | A-70400-3385 |
| 3 | (5.08) .200 | (7.59) .299 | 14-56-8030 | A-70400-3386 |
| 4 | (7.62) .300 | (10.13) .399 | 14-56-8040 | A-70400-3387 |
| 5 | (10.16) .400 | (12.67) .499 | 14-56-8050 | A-70400-3388 |
| 6 | (12.70) .500 | (15.21) .599 | 14-56-8060 | A-70400-3389 |
| 7 | (15.24) .600 | (17.75) .699 | 14-56-8070 | A-70400-3390 |
| 8 | (17.78) .700 | (20.29) .799 | 14-56-8080 | A-70400-3391 |
| 9 | (20.32) .800 | (22.83) .899 | 14-56-8090 | A-70400-3392 |
| 10 | (22.86) .900 | (25.37) .999 | 14-56-8100 | A-70400-3393 |
| 11 | (25.54) 1.000 | (27.91) 1.099 | 14-56-8110 | A-70400-3394 |
| 12 | (27.94) 1.100 | (30.45) 1.199 | 14-56-8120 | A-70400-3395 |
| 13 | (30.48) 1.200 | (32.99) 1.299 | 14-56-8130 | A-70400-3396 |
| 14 | (33.02) 1.300 | (35.53) 1.399 | 14-56-8140 | A-70400-3397 |
| 15 | (35.56) 1.400 | (38.07) 1.499 | 14-56-8150 | A-70400-3398 |
| 16 | (38.01) 1.500 | (40.61) 1.599 | 14-56-8160 | A-70400-3399 |
| 17 | (40.64) 1.600 | (43.15) 1.699 | 14-56-8170 | A-70400-3400 |
| 18 | (43.18) 1.700 | (45.69) 1.799 | 14-56-8180 | A-70400-3401 |
| 19 | (45.72) 1.800 | (48.23) 1.899 | 14-56-8190 | A-70400-3402 |
| 20 | (48.26) 1.900 | (50.77) 1.999 | 14-56-8200 | A-70400-3403 |
| 21 | (50.80) 2.000 | (53.31) 2.099 | 14-56-8210 | A-70400-3404 |
| 22 | (53.34) 2.100 | (55.85) 2.199 | 14-56-8220 | A-70400-3405 |
| 23 | (55.88) 2.200 | (58.39) 2.299 | 14-56-8230 | A-70400-3406 |
| 24 | (58.42) 2.300 | (60.93) 2.399 | 14-56-8240 | A-70400-3407 |
| 25 | (60.96) 2.400 | (63.47) 2.499 | 14-56-8250 | A-70400-3408 |

| 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 |

30 GOLD - .000030 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.

| LTR. | REVISIONS |
|---|---|
| | |
| D | LEAD FREE UCP2004-1769 RWHITE 04/03/22 |
| C1 | ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH |

| LTR. | REVISIONS |
|---|---|
| C | REVISED PER ECR NO. U82110 10-17-88 BJS |
| B | REVISE PER ECR #U80110 2/3/88 MJM |
| A | RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB |

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

| | INCH | METRIC |
|---|---|---|
| 3 PLACE | ± .010 | --- |
| 2 PLACE | ± .014 | ± 0.25 |
| 1 PLACE | --- | ± 0.35 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY AAB | CHK'D. BY WAZ | APP'D. BY | SCALE 4 : 1

MFG. | SH. | REV.

▽ = ▼ = REVISE ONLY ON CAD SYSTEM

TITLE: ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. | DATE 10/26/87

PART NO. SEE CHART

DRWG. NO. SDA-70400-3385-3408

FILE NAME 74003385.DGN

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DIV. DA | SIZE C

70400