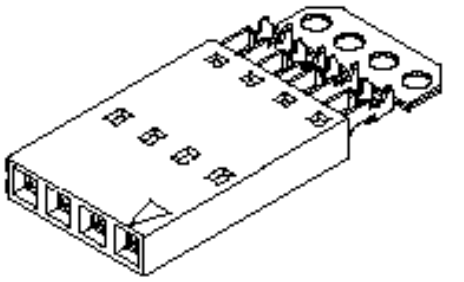
This document was generated on 05/21/2010

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

**Part Number:** 0014562239
**Status:** Active
**Overview:** cgrid__sl_products
**Description:** 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 26, 0.76µm (30µ") Gold (Au), 23 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) | 23 |
| 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 | 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 | 26 |
| Wire/Cable Type | Discrete Wire, Ribbon Cable |

## Electrical

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

**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**
Single Row headers and housings, 8624 , 70203 , 42375 , 42377

**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 | 0011201337 |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-70400 |

| | |
|---|---|
| Wire Terminator for SL - Rebuilt US* | |
| 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 |

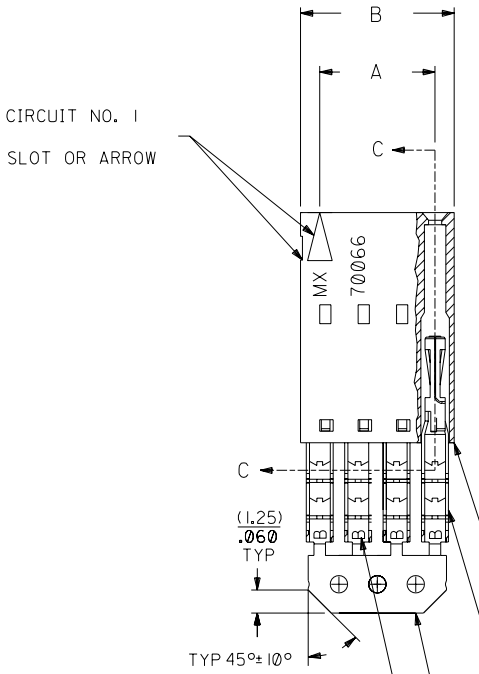
# OPTION A



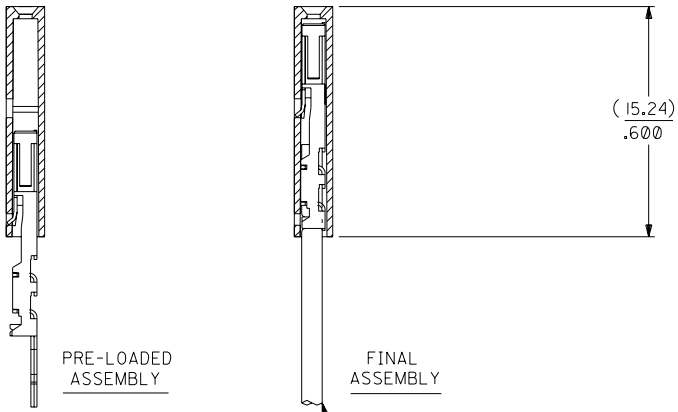

## NOTES:

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-70400
4) PARTS STACKABLE END TO END AND SIDE BY SIDE 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.
8) TO MATE WITH MOLEX (2.54)/.100 CENTERLINE HEADERS.
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.

| CKT. SIZE | A | B | EDP. NO. | ENG. NO. |
|---|---|---|---|---|
| 2 | ( 2.54 ) .100 | ( 5.05 ) .199 | 14-56-2029 | A-70400-1226 |
| 3 | ( 5.08 ) .200 | ( 7.59 ) .299 | 14-56-2039 | A-70400-1227 |
| 4 | ( 7.62 ) .300 | ( 10.13 ) .399 | 14-56-2049 | A-70400-1228 |
| 5 | ( 10.16 ) .400 | ( 12.67 ) .499 | 14-56-2059 | A-70400-1229 |
| 6 | ( 12.70 ) .500 | ( 15.21 ) .599 | 14-56-2069 | A-70400-1230 |
| 7 | ( 15.24 ) .600 | ( 17.75 ) .699 | 14-56-2079 | A-70400-1231 |
| 8 | ( 17.78 ) .700 | ( 20.29 ) .799 | 14-56-2089 | A-70400-1232 |
| 9 | ( 20.32 ) .800 | ( 22.83 ) .899 | 14-56-2099 | A-70400-1233 |
| 10 | ( 22.86 ) .900 | ( 25.37 ) .999 | 14-56-2109 | A-70400-1234 |
| 11 | ( 25.54 ) 1.000 | ( 27.91 ) 1.099 | 14-56-2119 | A-70400-1235 |
| 12 | ( 27.94 ) 1.100 | ( 30.45 ) 1.199 | 14-56-2129 | A-70400-1236 |
| 13 | ( 30.48 ) 1.200 | ( 32.99 ) 1.299 | 14-56-2139 | A-70400-1237 |
| 14 | ( 33.02 ) 1.300 | ( 35.53 ) 1.399 | 14-56-2149 | A-70400-1238 |
| 15 | ( 35.56 ) 1.400 | ( 38.07 ) 1.499 | 14-56-2159 | A-70400-1239 |
| 16 | ( 38.01 ) 1.500 | ( 40.61 ) 1.599 | 14-56-2169 | A-70400-1240 |
| 17 | ( 40.64 ) 1.600 | ( 43.15 ) 1.699 | 14-56-2179 | A-70400-1241 |
| 18 | ( 43.18 ) 1.700 | ( 45.69 ) 1.799 | 14-56-2189 | A-70400-1242 |
| 19 | ( 45.72 ) 1.800 | ( 48.23 ) 1.899 | 14-56-2199 | A-70400-1243 |
| 20 | ( 48.26 ) 1.900 | ( 50.77 ) 1.999 | 14-56-2209 | A-70400-1244 |
| 21 | ( 50.80 ) 2.000 | ( 53.31 ) 2.099 | 14-56-2219 | A-70400-1245 |
| 22 | ( 53.34 ) 2.100 | ( 55.85 ) 2.199 | 14-56-2229 | A-70400-1246 |
| 23 | ( 55.88 ) 2.200 | ( 58.39 ) 2.299 | 14-56-2239 | A-70400-1247 |
| 24 | ( 58.42 ) 2.300 | ( 60.93 ) 2.399 | 14-56-2249 | A-70400-1248 |
| 25 | ( 60.96 ) 2.400 | ( 63.47 ) 2.499 | 14-56-2259 | A-70400-1249 |




SECTION C-C




| 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 |
| 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 | LTR. | REVISIONS |
|---|---|---|---|
| | | E | REVISED PER ECR NO. U82110 10-17-88 AAB |
| F | LEAD FREE UCP2004-1769 RWHITE 04/03/17 | D | REVISE PER ECR #U80110 2/3/88 MJM |
| E1 | ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH | C | REDRAWN ON CAD ECR# 8842 5/7/86 W.Z. |

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 WAZ | 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 10/10/84

PART NO. SEE CHART | DRWG. NO. SDA-70400-1226-1249

FILE NAME S70400AX8

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DIV. DA | SIZE C

70400