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Part Number: [0014566089](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 22, 3.81µm (150µ") Tin/Lead (SnPb), 8 Circuits

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

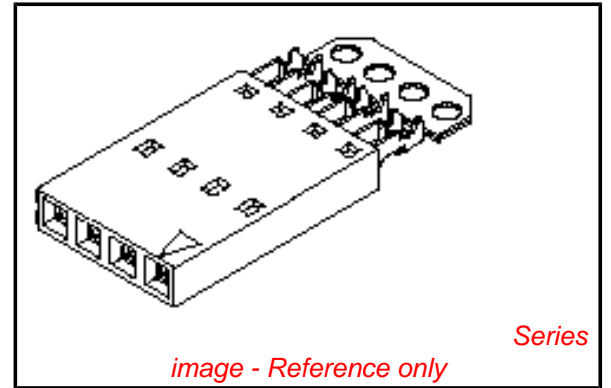
Product Family Ribbon Cable / Wire Trap Connectors
 Series [70400](#)
 Comments Terminals Preloaded
 Component Type Housing
 Glow-Wire Compliant No
 Overview [cgrid_sl_products](#)
 Product Name SL™

Physical

Circuits (Loaded) 8
 Color - Resin Black
 Durability (mating cycles max) 25
 Entry Angle Vertical
 Flammability 94V-0
 Lock to Mating Part None
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 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) 150
 Plating min: Mating (µm) 3.75
 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 22
 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**

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- Automatic Discrete | 0011201337 |

Material Info

Old Part Number

A704003006

Reference - Drawing Numbers

Product Specification

PS-70400

Sales Drawing

SDA-70400-3000-3023

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

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OPTION A

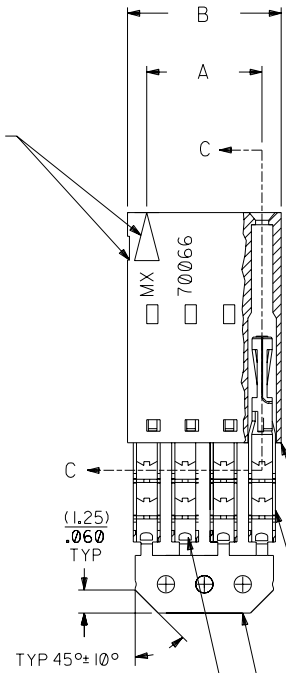
NOTES:

- 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-70400-0001. 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.



CIRCUIT NO. 1
SLOT OR ARROW



SECTION C-C



PRE-LOADED ASSEMBLY



FINAL ASSEMBLY

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

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

TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.

| 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 |
| TIN | NONE |

*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 | DIMENSIONS (INCH) | | EDP. NO. | ENG. NO. |
|-----------|--------------------|--------------------|------------|--------------|
| | A | B | | |
| 2 | (2.54) .100 | (5.05) .199 | 14-56-6029 | A-70400-3000 |
| 3 | (5.08) .200 | (7.59) .299 | 14-56-6039 | A-70400-3001 |
| 4 | (7.62) .300 | (10.13) .399 | 14-56-6049 | A-70400-3002 |
| 5 | (10.16) .400 | (12.67) .499 | 14-56-6059 | A-70400-3003 |
| 6 | (12.70) .500 | (15.21) .599 | 14-56-6069 | A-70400-3004 |
| 7 | (15.24) .600 | (17.75) .699 | 14-56-6079 | A-70400-3005 |
| 8 | (17.78) .700 | (20.29) .799 | 14-56-6089 | A-70400-3006 |
| 9 | (20.32) .800 | (22.83) .899 | 14-56-6099 | A-70400-3007 |
| 10 | (22.86) .900 | (25.37) .999 | 14-56-6109 | A-70400-3008 |
| 11 | (25.54) 1.000 | (27.91) 1.099 | 14-56-6119 | A-70400-3009 |
| 12 | (27.94) 1.100 | (30.45) 1.199 | 14-56-6129 | A-70400-3010 |
| 13 | (30.48) 1.200 | (32.99) 1.299 | 14-56-6139 | A-70400-3011 |
| 14 | (33.02) 1.300 | (35.53) 1.399 | 14-56-6149 | A-70400-3012 |
| 15 | (35.56) 1.400 | (38.07) 1.499 | 14-56-6159 | A-70400-3013 |
| 16 | (38.01) 1.500 | (40.61) 1.599 | 14-56-6169 | A-70400-3014 |
| 17 | (40.64) 1.600 | (43.15) 1.699 | 14-56-6179 | A-70400-3015 |
| 18 | (43.18) 1.700 | (45.69) 1.799 | 14-56-6189 | A-70400-3016 |
| 19 | (45.72) 1.800 | (48.23) 1.899 | 14-56-6199 | A-70400-3017 |
| 20 | (48.26) 1.900 | (50.77) 1.999 | 14-56-6209 | A-70400-3018 |
| 21 | (50.80) 2.000 | (53.31) 2.099 | 14-56-6219 | A-70400-3019 |
| 22 | (53.34) 2.100 | (55.85) 2.199 | 14-56-6229 | A-70400-3020 |
| 23 | (55.88) 2.200 | (58.39) 2.299 | 14-56-6239 | A-70400-3021 |
| 24 | (58.42) 2.300 | (60.93) 2.399 | 14-56-6249 | A-70400-3022 |
| 25 | (60.96) 2.400 | (63.47) 2.499 | 14-56-6259 | A-70400-3023 |

| DIMENSIONS SHOWN (METRIC) INCH | | UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° | | MFG. SH. REV. | |
|---|--|---|-----------|--|-----------------------|
| E | LEAD FREE UCP2004-1769 RWHITE 04/03/22 | B | REVISIONS | 3 PLACE ± .010 | 2 PLACE ± .014 ± 0.25 |
| D | 164 PLATING WAS 102 PER ECR # U30941 07/07/93 REED | A | REVISIONS | 1 PLACE --- ± 0.35 | 1 PLACE --- ± 0.35 |
| LTR. REVISIONS | | LTR. REVISIONS | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |
| REVISED PER ECR NO. U82110 10-17-88 AAB | | REVISED PER ECR #U80110 2/3/88 MJM | | DRWG. NO. SEE CHART | |
| RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB | | DRWG. BY WAZ | | SDA-70400-3000-3023 | |
| MATERIAL: PHOSPHOR BRONZE PLATING PER ES-88-*** | | SCALE 4:1 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. | |
| TIN - .000150 MIN. TIN OVER .000050 MIN. NICKEL PLATE. | | FILE NAME 74003000 DGN | | SHEET NO. 10/26/87 | |
| *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. | | TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID) | | PART NO. SDA-70400-3000-3023 | |