

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014563073

Status:

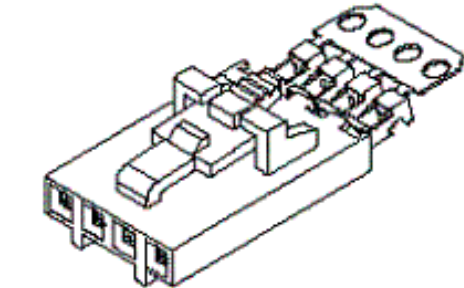
Active

Overview:

cgrid\_sl\_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 28, 0.76µm (30µ") Gold (Au), 7 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)              | 7                           |
| Color - Resin                  | Black                       |
| Durability (mating cycles max) | 50                          |
| Entry Angle                    | Vertical                    |
| Flammability                   | 94V-0                       |
| Lock to Mating Part            | Yes                         |
| 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                  | 28                          |
| 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](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  
[70018](#) , [70107A/B](#), [70543](#), [70545](#) , [70553](#) , [70555](#)

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-         | <a href="#">0011201337</a> |
| Automatic Discrete |                            |

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-70400

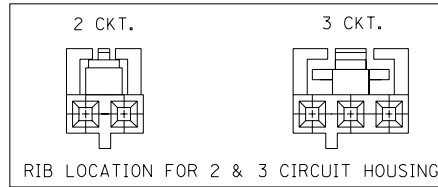
SDA-70400-1541-1564

Wire Terminator for  
SL - Rebuilt US\*  
Hawk™ Ribbon0623003000  
Cable Terminator for  
SL without Break-off  
Hawk™ Semi-0623004900  
Automatic Discrete  
Wire Terminator  
for SL - Rebuilt CE  
Approved\*  
Hawk™ Flat Flex0623005200  
Cable Terminator for  
SL with Break-off  
Hawk™ Ribbon0623005300  
Cable Terminator  
with for SL Break-off  
IDT Discrete0621000700  
Handtool Module for  
SL™  
Hawk™ Semi-0623003100  
Automatic Discrete  
Wire Terminator for  
SL

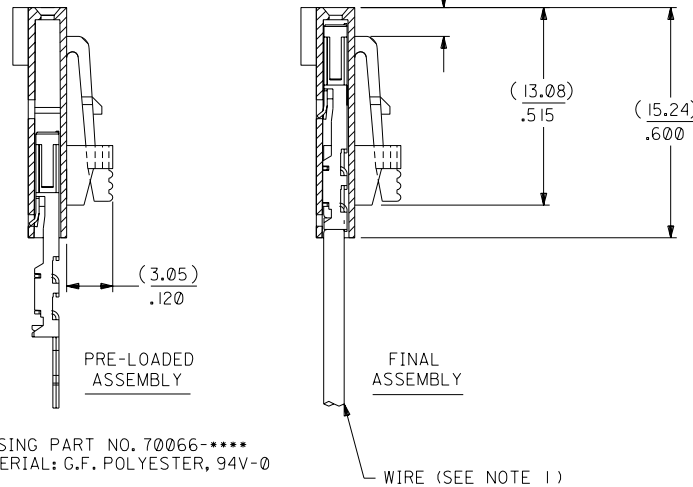
# OPTION G

## NOTES:

- 1) TO BE USED WITH (28) 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 ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: PS-70400.
- 6) SEE DWG. SDA-70400-0001 (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-70373-0001, A-70375-0001, A-70389-0001, A-70391-0001, A-70407-0001, A-70418-0001, A-70543-0001, A-70553-0001, A-70541-0001, A-70551-0001, A-70545-0001, A-70555-0001.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



## SECTION C-C



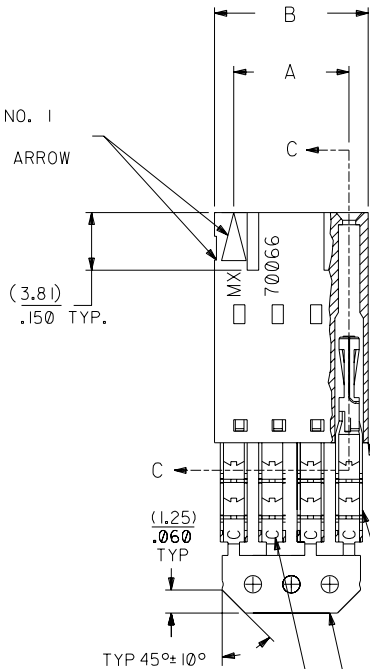
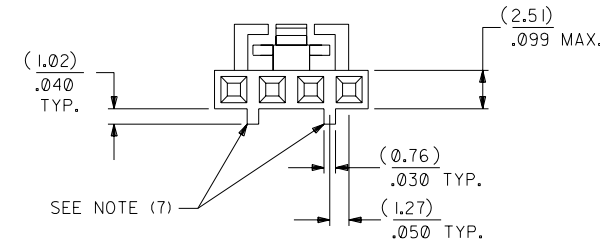
HOUSING PART NO. 70066-0001  
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70028-0001  
MATERIAL: PHOSPHOR BRONZE  
PLATING PER ES-88-000

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.

CIRCUIT NO. 1  
SLOT OR ARROW



| 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 |
| 30 GOLD                                | RED   |

| CKT. SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|-----------|--------------------|--------------------|------------|--------------|
| 2         | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-56-3023 | A-70400-1541 |
| 3         | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-56-3033 | A-70400-1542 |
| 4         | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-56-3043 | A-70400-1543 |
| 5         | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-56-3053 | A-70400-1544 |
| 6         | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-56-3063 | A-70400-1545 |
| 7         | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-56-3073 | A-70400-1546 |
| 8         | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-56-3083 | A-70400-1547 |
| 9         | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-56-3093 | A-70400-1548 |
| 10        | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-56-3103 | A-70400-1549 |
| 11        | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-56-3113 | A-70400-1550 |
| 12        | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-56-3123 | A-70400-1551 |
| 13        | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-56-3133 | A-70400-1552 |
| 14        | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-56-3143 | A-70400-1553 |
| 15        | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-56-3153 | A-70400-1554 |
| 16        | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-56-3163 | A-70400-1555 |
| 17        | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-56-3173 | A-70400-1556 |
| 18        | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-56-3183 | A-70400-1557 |
| 19        | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-56-3193 | A-70400-1558 |
| 20        | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-56-3203 | A-70400-1559 |
| 21        | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-56-3213 | A-70400-1560 |
| 22        | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-56-3223 | A-70400-1561 |
| 23        | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-56-3233 | A-70400-1562 |
| 24        | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-56-3243 | A-70400-1563 |
| 25        | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-56-3253 | A-70400-1564 |

|      |           |                                                             |
|------|-----------|-------------------------------------------------------------|
|      | GI        | ADD CARRIER CHAMF<br>ECN #UDT1998-0280<br>05/20/98 LMCGRATH |
|      | G         | REVISED PER<br>ECR# U00049<br>9-26-90 MGB                   |
| H    | F         | REVISED PER<br>ECN# U90726<br>7-10-89 MGB                   |
| LTR. | REVISIONS | LTR.                                                        |

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

|                                                |  |                                                                                                                        |  |
|------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| REVISIONS                                      |  | REVISIONS                                                                                                              |  |
| MFG. SH. REV.                                  |  | REVISE ONLY ON CAD SYSTEM                                                                                              |  |
| TITLE                                          |  | ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW- (2.54)/.100 GRID)                                                               |  |
| MOLEX INCORPORATED<br>LITSE, ILL. 60532 U.S.A. |  | SHEET NO. 10 / 11 / 4                                                                                                  |  |
| PART NO. SEE CHART                             |  | DWG. NO. SDA-70400-1541-1564                                                                                           |  |
| FILE NAME S70400GX9                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |
| DA                                             |  | SIZE                                                                                                                   |  |