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Part Number:

0014600067

Status:

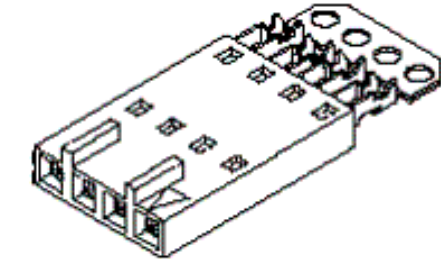
Active

Overview:

cgrid\_sl\_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 24, 3.81µm (150µ") Tin/Lead (SnPb), 6 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)              | 6                           |
| 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       | 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                  | 24                          |
| 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

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 |

**Material Info**

Old Part Number 70400-0040

**Reference - Drawing Numbers**

Product Specification PS-70400  
Sales Drawing SDA-70400-0036-0059

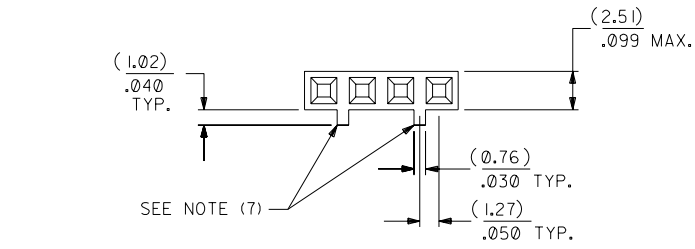
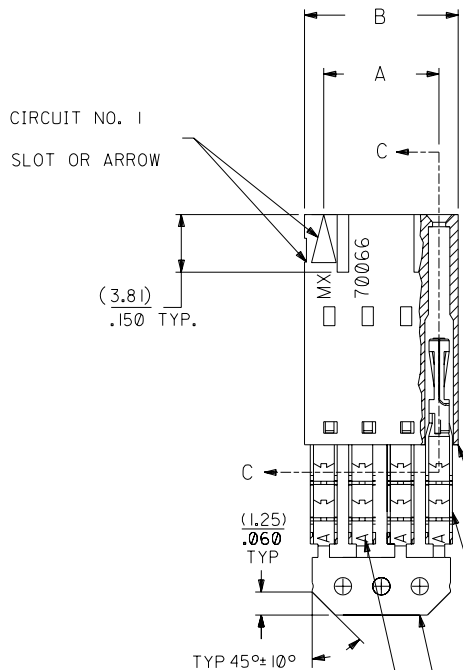
Hawk™ Ribbon Cable Terminator for SL without Break-off [0623003000](#)  
Hawk™ Semi-Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved\* [0623004900](#)  
Hawk™ Flat Flex Cable Terminator for SL with Break-off [0623005200](#)  
Hawk™ Ribbon Cable Terminator with for SL Break-off [0623005300](#)  
Hawk™ Semi-Automatic Discrete Wire Terminator for SL [0623003100](#)

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# OPTION C

## NOTES:

- 1) TO BE USED WITH (24) 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-\*\*\*\* (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.



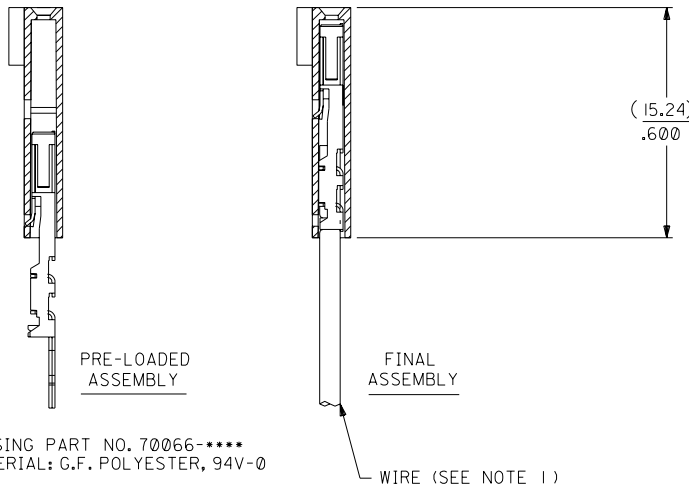
| I.D. SLOT CODE TO WIRE GAUGE CHART |            |
|------------------------------------|------------|
| I.D. SLOT CODE                     | WIRE GAUGE |
| A                                  | 24 AWG.    |

| PLATING CODE (STRIPE ON CARRIER STRIP) |       |
|----------------------------------------|-------|
| PLATING                                | COLOR |
| TIN                                    | NONE  |

TERMINAL PART NO. 70028-\*\*\*\*  
MATERIAL: PHOSPHOR BRONZE  
PLATING PER ES-88-\*\*\*  
TIN - .000150 MIN. TIN OVER  
.000050 MIN. NICKEL PLATE.



## SECTION C-C



| CKT. SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|-----------|--------------------|--------------------|------------|--------------|
| 2         | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-60-0027 | A-70400-0036 |
| 3         | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-60-0037 | A-70400-0037 |
| 4         | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-60-0047 | A-70400-0038 |
| 5         | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-60-0057 | A-70400-0039 |
| 6         | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-60-0067 | A-70400-0040 |
| 7         | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-60-0077 | A-70400-0041 |
| 8         | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-60-0087 | A-70400-0042 |
| 9         | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-60-0097 | A-70400-0043 |
| 10        | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-60-0107 | A-70400-0044 |
| 11        | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-60-0117 | A-70400-0045 |
| 12        | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-60-0127 | A-70400-0046 |
| 13        | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-60-0137 | A-70400-0047 |
| 14        | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-60-0147 | A-70400-0048 |
| 15        | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-60-0157 | A-70400-0049 |
| 16        | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-60-0167 | A-70400-0050 |
| 17        | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-60-0177 | A-70400-0051 |
| 18        | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-60-0187 | A-70400-0052 |
| 19        | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-60-0197 | A-70400-0053 |
| 20        | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-60-0207 | A-70400-0054 |
| 21        | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-60-0217 | A-70400-0055 |
| 22        | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-60-0227 | A-70400-0056 |
| 23        | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-60-0237 | A-70400-0057 |
| 24        | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-60-0247 | A-70400-0058 |
| 25        | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-60-0257 | A-70400-0059 |

\*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.

|                                                          |  |                                           |  |                                                                                      |  |                                                                                                                        |  |
|----------------------------------------------------------|--|-------------------------------------------|--|--------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| G LEAD FREE UCP2004-1769 RWHITE 04/03/17                 |  | E REVISED PER ECR NO. U82110 10-17-88 BJS |  | DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° |  | ▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM                                                                                  |  |
| F1 ADD CARRIER CHAMF ECR *UDT1998-0280 05/20/98 LMCGRATH |  | D REVISE PER ECR *U80110 2/3/88 MJM       |  | INCH METRIC<br>3 PLACE ± .010 ---<br>2 PLACE ± .014 ± 0.25<br>1 PLACE --- ± 0.35     |  | TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)                                                            |  |
| F 164 PLATING WAS 102 PER ECR * U30941 07/07/93 REED     |  | C REDRAWN ON CAD ECR* 8842 5/8/86 W.Z.    |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                 |  | MOLEX INCORPORATED SHEET NO. DATE 10/09/84                                                                             |  |
| LTR. REVISIONS                                           |  | LTR. REVISIONS                            |  | DRWG. BY WAZ CHK'D. BY WAZ                                                           |  | PART NO. SEE CHART SDA-70400-0036-0059                                                                                 |  |
|                                                          |  |                                           |  | APPR. BY SCALE 4:1                                                                   |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |