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Part Number:

0014567024

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, 0.38µm (15µ") Gold (Au), 2 Circuits

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Documents:                    |                                                      |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-70400 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

|                                |                                     |
|--------------------------------|-------------------------------------|
| 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)              | 2                                   |
| 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)      | 15                                  |
| Plating min: Mating (µm)       | 0.375                               |
| 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                                |
| 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](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

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 | <a href="#">0011201337</a> |

|                                    |                     |                                                     |
|------------------------------------|---------------------|-----------------------------------------------------|
| Old Part Number                    | 70400-3175          | Wire Terminator for<br>SL - Rebuilt US*             |
| <b>Reference - Drawing Numbers</b> |                     | Hawk™ Ribbon <u>0623003000</u>                      |
| Product Specification              | PS-70400            | Cable Terminator for<br>SL without Break-off        |
| Sales Drawing                      | SDA-70400-3175-3198 | Hawk™ Semi- <u>0623004900</u><br>Automatic Discrete |
|                                    |                     | Wire Terminator<br>for SL - Rebuilt CE              |
|                                    |                     | Approved*                                           |
|                                    |                     | Hawk™ Flat Flex <u>0623005200</u>                   |
|                                    |                     | Cable Terminator for<br>SL with Break-off           |
|                                    |                     | Hawk™ Ribbon <u>0623005300</u>                      |
|                                    |                     | Cable Terminator<br>with for SL Break-off           |
|                                    |                     | IDT Discrete <u>0621000700</u>                      |
|                                    |                     | Handtool Module for<br>SL™                          |
|                                    |                     | Hawk™ Semi- <u>0623003100</u><br>Automatic Discrete |
|                                    |                     | Wire Terminator for<br>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-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.

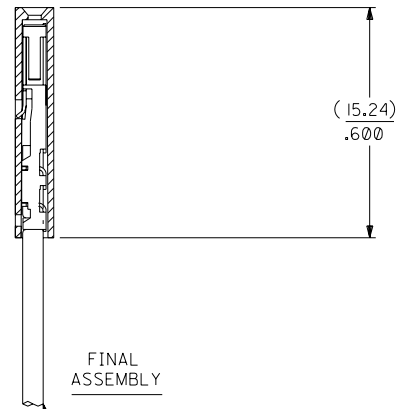
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



## SECTION C-C



PRE-LOADED  
ASSEMBLY

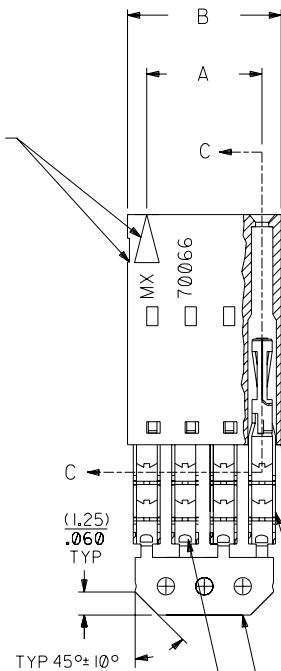


FINAL  
ASSEMBLY

WIRE (SEE NOTE 1)

CIRCUIT NO. 1

SLOT OR ARROW



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

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

15 GOLD - .000015 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.

| 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  |
| 15 GOLD                                | YELLOW |

|      |                                                            |           |   |                                                                                   |  |                                                                                                     |  |                    |  |                                                           |  |                           |      |                                                                                                                        |  |        |        |
|------|------------------------------------------------------------|-----------|---|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------|--|-----------------------------------------------------------|--|---------------------------|------|------------------------------------------------------------------------------------------------------------------------|--|--------|--------|
|      |                                                            | C         |   | REVISED PER<br>ECR NO. U8210<br>10-17-88 AAB                                      |  | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR $\pm 1/2^\circ$ |  |                    |  | ▽ = ▽ =<br>TITLE                                          |  | REVISE ONLY ON CAD SYSTEM |      |                                                                                                                        |  |        |        |
| D    | LEAD FREE<br>UCP2004-1769<br>RWWHITE 04/03/22              |           | B | REVISE PER<br>ECR #U80110<br>2/3/88 MJM                                           |  | INCH                                                                                                |  | METRIC             |  | ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW- (2.54)"/.100 GRID) |  |                           |      |                                                                                                                        |  |        |        |
|      |                                                            |           |   | 1 PLACE $\pm .010$ ---<br>2 PLACE $\pm .014$ $\pm 0.25$<br>1 PLACE --- $\pm 0.35$ |  |                                                                                                     |  |                    |  |                                                           |  |                           |      |                                                                                                                        |  |        |        |
| CI   | ADD CARRIER CHAMF<br>ECN #UDI998-0280<br>05/20/98 LMCGRATH |           | A | RELEASE FOR PROD.<br>PER ERO NO. 25421<br>10-26-87 AAB                            |  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                                             |  |                    |  | MOLEX INCORPORATED<br>LISE,ILL. 69532 U.S.A.              |  | SHEET NO.                 | DATE |                                                                                                                        |  |        |        |
|      |                                                            |           |   |                                                                                   |  |                                                                                                     |  | PART NO. SEE CHART |  | DRWG. NO. SDA-70400-3175-3198                             |  | 10/26/87                  |      |                                                                                                                        |  |        |        |
| LTR. |                                                            | REVISIONS |   | LTR.                                                                              |  | REVISIONS                                                                                           |  | DRWG. BY: AAB      |  | CHK'D. BY: WAZ                                            |  | FILE NO. 70400-3175       |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  | DIV. A | SIZE C |
|      |                                                            |           |   |                                                                                   |  |                                                                                                     |  | APP'D. BY: AAB     |  | SCALE: 4 : 1                                              |  |                           |      |                                                                                                                        |  |        |        |