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Part Number:

0014562029

Status:

Active

Overview:

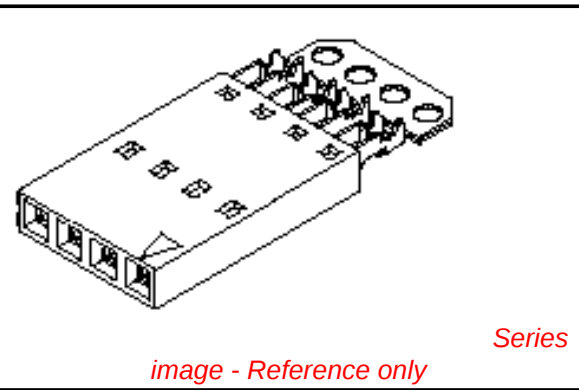
cgrid\_sl\_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 26, 0.76µm (30µ") Gold (Au), 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)      | 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                                |
| 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.

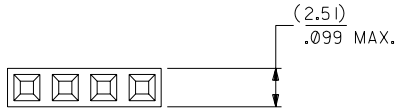
Global

| Description                  | Product #                  |
|------------------------------|----------------------------|
| Hawk Semi-Automatic Discrete | <a href="#">0011201337</a> |

|                                    |                     |                                                     |
|------------------------------------|---------------------|-----------------------------------------------------|
| Old Part Number                    | 70400-1226          | 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-70400-1226-1249 | 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

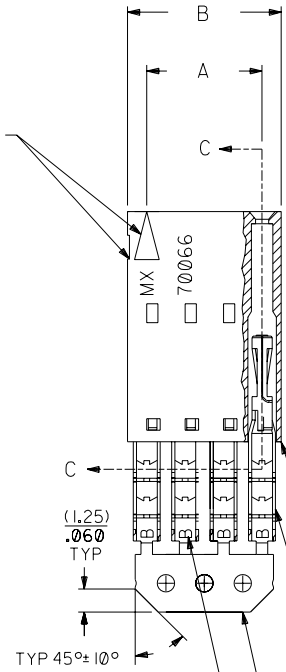


## NOTES:

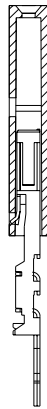
- 1) TO BE USED WITH (26) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTERS.
- 5) REFER 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.

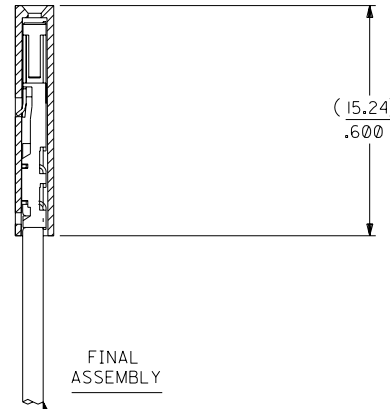
CIRCUIT NO. 1  
SLOT OR ARROW



## 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-\*\*\*

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.

| 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   |

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

|      |  |  |           |                                         |                                                                                      |  |                               |  |                                                                                                                        |  |
|------|--|--|-----------|-----------------------------------------|--------------------------------------------------------------------------------------|--|-------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| F    |  |  | E         | REVISED PER ECR NO. U82110 10-17-88 AAB | DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° |  | REVISIONS                     |  | MFG. SH. REV.                                                                                                          |  |
| F    |  |  | D         | REVISE PER ECR #U80110 2/3/88 MJM       | INCH METRIC                                                                          |  | 3 PLACE ± .010 ---            |  | TITLE                                                                                                                  |  |
| E1   |  |  | C         | REDRAWN ON CAD ECR# 8842 5/7/86 W.Z.    | 2 PLACE ± .014 ± 0.25                                                                |  | 1 PLACE --- ± 0.35            |  | ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)                                                                  |  |
| LTR. |  |  | REVISIONS | REVISIONS                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                 |  | DRWG. NO. SDA-70400-1226-1249 |  | PART NO. SEE CHART                                                                                                     |  |
| LTR. |  |  | REVISIONS | REVISIONS                               | DRWG. BY WAZ                                                                         |  | SCALE 4:1                     |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |