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Part Number:

0014567072

Status:

Active

Overview:

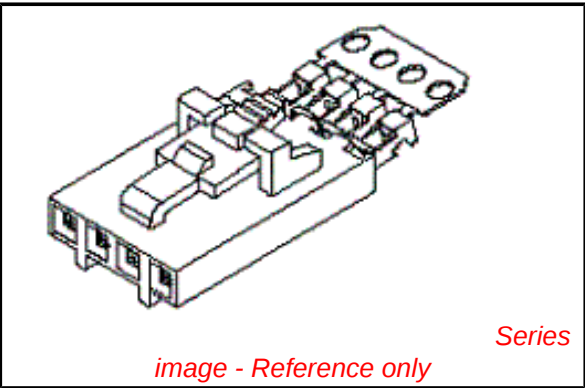
cgrid\_sl\_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 22, 3.81µm (150µ") Tin/Lead (SnPb), 7 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)              | 7                                   |
| Color - Resin                  | Black                               |
| Durability (mating cycles max) | 25                                  |
| Entry Angle                    | Vertical                            |
| Flammability                   | 94V-0                               |
| Lock to Mating Part            | Yes                                 |
| 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                  | 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

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-Automatic Discrete | 0011201337 |

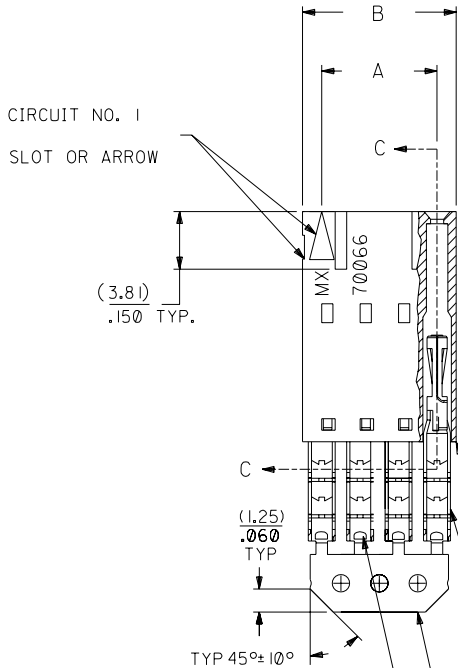
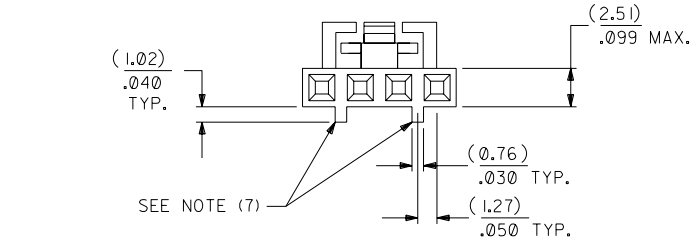
**Material Info**

|                                    |                     |
|------------------------------------|---------------------|
| Old Part Number                    | 70400-3145          |
| <b>Reference - Drawing Numbers</b> |                     |
| Product Specification              | PS-70400            |
| Sales Drawing                      | SDA-70400-3140-3163 |

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| Wire Terminator for<br>SL - Rebuilt US*             |                   |
| Hawk™ Ribbon                                        | <u>0623003000</u> |
| Cable Terminator for<br>SL without Break-off        |                   |
| Hawk™ Semi-<br>Automatic Discrete                   | <u>0623004900</u> |
| Wire Terminator<br>for SL - Rebuilt CE<br>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-<br>Automatic Discrete                   | <u>0623003100</u> |
| Wire Terminator for<br>SL                           |                   |

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OPTION G



| 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  |

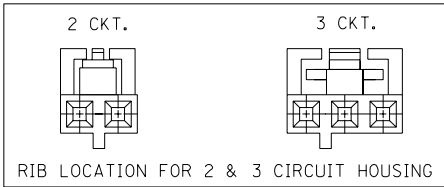
HOUSING PART NO. 70066-\*\*\*\*  
MATERIAL: G.F. POLYESTER, 94V-0

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

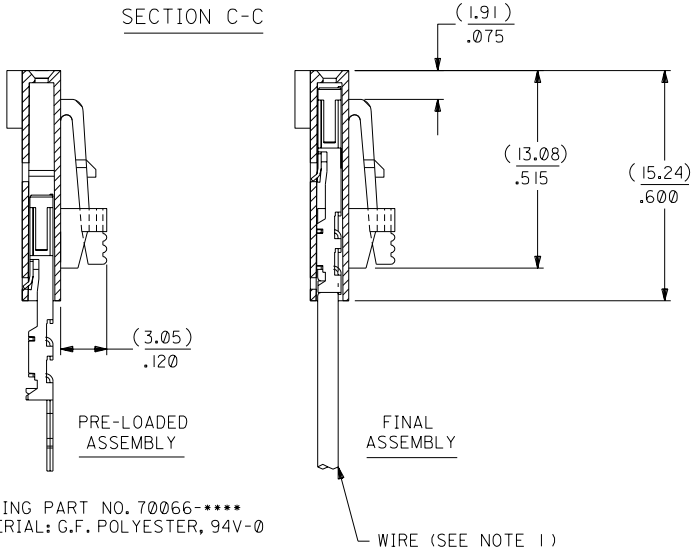
TIN - .000150 MIN. TIN OVER  
.000050 MIN. NICKEL PLATE.

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 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-70373-\*\*\*\*, A-70375-\*\*\*\*, A-70389-\*\*\*\*, A-70391-\*\*\*\*, 70107-\*\*\*\*, 70018-\*\*\*\*, A-70543-\*\*\*\*, A-70553-\*\*\*\*, A-70541-\*\*\*\*, A-70551-\*\*\*\*, A-70545-\*\*\*\*, A-70555-\*\*\*\*.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



## SECTION C-C



\*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.<br>SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|--------------|--------------------|--------------------|------------|--------------|
| 2            | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-56-7022 | A-70400-3140 |
| 3            | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-56-7032 | A-70400-3141 |
| 4            | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-56-7042 | A-70400-3142 |
| 5            | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-56-7052 | A-70400-3143 |
| 6            | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-56-7062 | A-70400-3144 |
| 7            | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-56-7072 | A-70400-3145 |
| 8            | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-56-7082 | A-70400-3146 |
| 9            | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-56-7092 | A-70400-3147 |
| 10           | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-56-7102 | A-70400-3148 |
| 11           | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-56-7112 | A-70400-3149 |
| 12           | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-56-7122 | A-70400-3150 |
| 13           | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-56-7132 | A-70400-3151 |
| 14           | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-56-7142 | A-70400-3152 |
| 15           | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-56-7152 | A-70400-3153 |
| 16           | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-56-7162 | A-70400-3154 |
| 17           | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-56-7172 | A-70400-3155 |
| 18           | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-56-7182 | A-70400-3156 |
| 19           | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-56-7192 | A-70400-3157 |
| 20           | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-56-7202 | A-70400-3158 |
| 21           | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-56-7212 | A-70400-3159 |
| 22           | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-56-7222 | A-70400-3160 |
| 23           | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-56-7232 | A-70400-3161 |
| 24           | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-56-7242 | A-70400-3162 |
| 25           | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-56-7252 | A-70400-3163 |

|        |                                              |        |                                                             |                                                                                            |                                                                                                                           |                                                                   |                              |
|--------|----------------------------------------------|--------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------|
| G      | LEAD FREE<br>UCP2004-1769<br>RWHITE 04/03/22 | F      | ADD CARTER CHAMF<br>ECN # JDT1998-0280<br>05/20/98 LMCGRATH | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR: 1/2°  |                                                                                                                           | ▽ = 0   ▽ = 0   REVISE ONLY ON CAD SYSTEM                         |                              |
|        |                                              |        | 164 PLATING WAS<br>102<br>PER ECR # U30941<br>07/14/93 REED | INCH   METRIC<br>3 PLACE ± .010   ---<br>2 PLACE ± .014   ± 0.25<br>1 PLACE   ---   ± 0.35 |                                                                                                                           | TITLE<br>ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW- (2.54)/.100 GRID) |                              |
|        |                                              | E      | REVISED PER<br>ECR # U00049<br>9-29-90 MGB                  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                                    |                                                                                                                           | PDR MOLEX INCORPORATED<br>LISLE, ILL.   60532   U.S.A.            | SHEET NO.   DATE<br>10/26/87 |
|        |                                              |        |                                                             | DRWG. BY   AAB   CHK'D BY   WAZ<br>APP'D. BY   SCALE   4 : 1                               | PART NO.   DRWG. NO.<br>SEE CHART   SDA-70400-3140-3163                                                                   |                                                                   |                              |
| L.T.R. | REVISIONS                                    | L.T.R. | REVISIONS                                                   | FILE NAME<br>74003140                                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                   | DIV.   SIZE<br>D   C         |