

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014567137

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, 0.38µm (15µ") Gold (Au), 13 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-70400 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Comments

Component Type

Glow-Wire Compliant

Overview

Product Name

Ribbon Cable / Wire Trap Connectors

70400

Terminals Preloaded

Housing

No

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SL™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Entry Angle

Flammability

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire/Cable Type

13

Black

50

Vertical

94V-0

Yes

Phosphor Bronze

Gold

Tin

Polyester Alloy

1

None

Tube

0.100 In

2.54 mm

15

0.375

75

1.875

Yes

Yes

N/A

-40°C to +105°C

IDT or Pierce

1.35mm (.053") max.

22

Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V

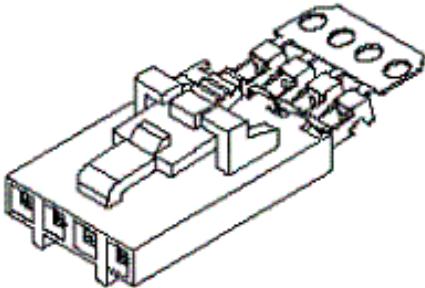


image - Reference only

Series

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

Material Info

Reference - Drawing Numbers

Product Specification  
Sales Drawing

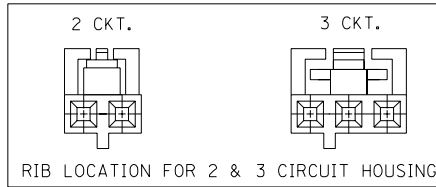
PS-70400  
SDA-70400-2976-2999

Wire Terminator for  
SL - Rebuilt US\*  
Hawk™ Ribbon 0623003000  
Cable Terminator for  
SL without Break-off  
Hawk™ Semi- 0623004900  
Automatic Discrete  
Wire Terminator  
for SL - Rebuilt CE  
Approved\*  
Hawk™ Flat Flex 0623005200  
Cable Terminator for  
SL with Break-off  
Hawk™ Ribbon 0623005300  
Cable Terminator  
with for SL Break-off  
IDT Discrete 0621000700  
Handtool Module for  
SL™  
Hawk™ Semi- 0623003100  
Automatic Discrete  
Wire Terminator for  
SL

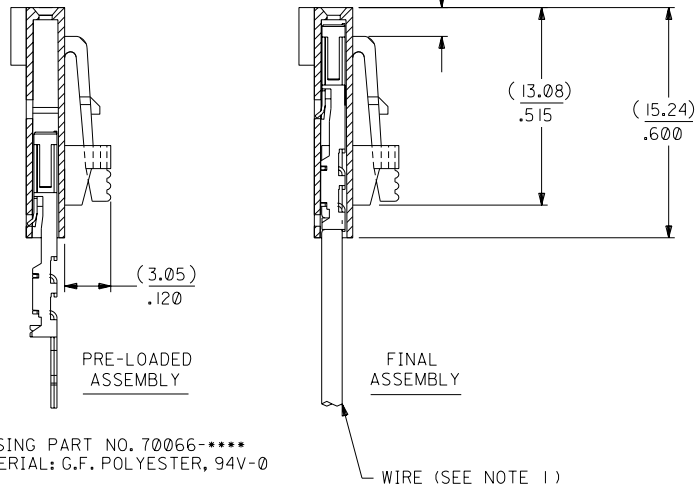
# OPTION G

## 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



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.

CIRCUIT NO. 1  
SLOT OR ARROW

| 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 |

| CKT. SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|-----------|--------------------|--------------------|------------|--------------|
| 2         | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-56-7027 | A-70400-2976 |
| 3         | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-56-7037 | A-70400-2977 |
| 4         | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-56-7047 | A-70400-2978 |
| 5         | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-56-7057 | A-70400-2979 |
| 6         | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-56-7067 | A-70400-2980 |
| 7         | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-56-7077 | A-70400-2981 |
| 8         | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-56-7087 | A-70400-2982 |
| 9         | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-56-7097 | A-70400-2983 |
| 10        | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-56-7107 | A-70400-2984 |
| 11        | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-56-7117 | A-70400-2985 |
| 12        | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-56-7127 | A-70400-2986 |
| 13        | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-56-7137 | A-70400-2987 |
| 14        | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-56-7147 | A-70400-2988 |
| 15        | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-56-7157 | A-70400-2989 |
| 16        | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-56-7167 | A-70400-2990 |
| 17        | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-56-7177 | A-70400-2991 |
| 18        | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-56-7187 | A-70400-2992 |
| 19        | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-56-7197 | A-70400-2993 |
| 20        | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-56-7207 | A-70400-2994 |
| 21        | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-56-7217 | A-70400-2995 |
| 22        | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-56-7227 | A-70400-2996 |
| 23        | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-56-7237 | A-70400-2997 |
| 24        | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-56-7247 | A-70400-2998 |
| 25        | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-56-7257 | A-70400-2999 |

|                                                             |  |                                                                                            |  |                                                                                                                        |  |
|-------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| ADD CARRIER CHAMF<br>ECN *UDT1998-0280<br>05/20/98 LMCCRATH |  | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 1/2° |  | REVISIONS ONLY ON CAD SYSTEM                                                                                           |  |
| REVISED PER<br>ECR* U00049<br>9-29-90 MGB                   |  | INCH METRIC<br>3 PLACE ± .010 ---<br>2 PLACE ± .014 ± 0.25<br>1 PLACE --- ± 0.35           |  | MOLEX INCORPORATED<br>LITSE,ILL. 60532 U.S.A.                                                                          |  |
| REVISED PER<br>ECN* U90726<br>7-10-89 MGB                   |  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                                    |  | SHEET NO. 10/26/87                                                                                                     |  |
| LEAD FREE<br>UCP2004-1769<br>RWHITE 04/03/22                |  | DRAWG. BY AAB CHK'D. BY WAZ<br>APPRO. BY SCALE 4:1                                         |  | PART NO. SEE CHART SDA-70400-2976-2999                                                                                 |  |
| LTR. REVISIONS                                              |  | LTR. REVISIONS                                                                             |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |

MFG. SH. REV.

ASSEMBLY, SL CONNECTOR  
(SINGLE ROW- (2.54)/.100 GRID)

FILE NAME 74002976.DWG  
DIV. DA