

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014562259

Status:

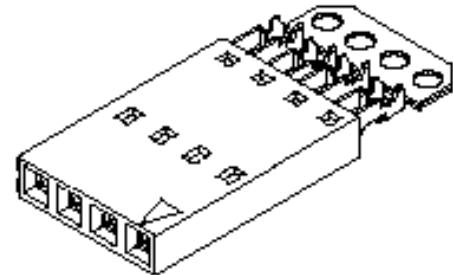
Active

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), 25 Circuits



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-70400 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Comments

Component Type

Glow-Wire Compliant

Overview

Product Name

Ribbon Cable / Wire Trap Connectors

70400

Terminals Preloaded

Housing

No

cgrid\_sl\_products

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

25

Black

50

Vertical

94V-0

None

Phosphor Bronze

Gold

Tin

Polyester Alloy

1

None

Tube

0.100 In

2.54 mm

30

0.75

75

1.875

No

Yes

N/A

-40°C to +105°C

IDT or Pierce

1.35mm (.053") max.

26

Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Not Reviewed  
Halogen-Free  
Status

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> |

Material Info

Reference - Drawing Numbers

Product Specification

PS-70400

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

This document was generated on 05/21/2010  
PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

OPTION A

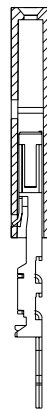
NOTES:

- 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-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.

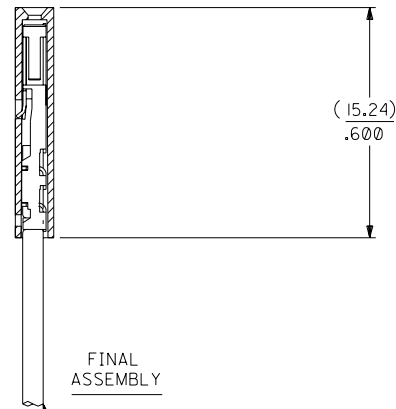
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



## SECTION C-C



PRE-LOADED  
ASSEMBLY

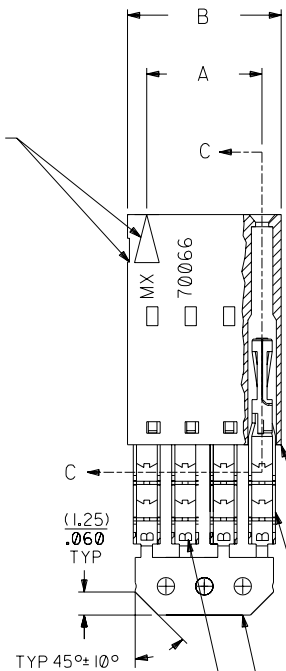


FINAL  
ASSEMBLY

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-\*\*\*

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   |

|      |  |      |  |                                                              |  |                                                                                                                           |  |                                                                                                                                                                |  |
|------|--|------|--|--------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|      |  | E    |  | REVISED PER<br>ECR NO. UB2110<br>10-17-88 AAB                |  | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR $\pm 1/2^\circ$                       |  | <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div> <div>REVISE ONLY ON CAD SYSTEM</div> |  |
| F    |  | D    |  | LEAD FREE<br>UCP2004-1769<br>RWHITE 04/03/17                 |  | REVISE PER<br>ECR #J58110<br>2/3/88 MJM                                                                                   |  | TITLE<br>ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW- (2,54)"/100 GRID)                                                                                              |  |
| E    |  | C    |  | ADD CARRIER CHAMF<br>ECN # UDT1998-0280<br>05/20/98 LMCGRATH |  | REDRAWN ON CAD<br>ECN # 8842<br>5/7/86 W.Z.                                                                               |  | MOLEX INCORPORATED<br>LISLE, ILL. 60532 U.S.A.                                                                                                                 |  |
| LTR. |  | LTR. |  | REVISIONS                                                    |  | REVISIONS                                                                                                                 |  | SHEET NO. DATE<br>10/10/84                                                                                                                                     |  |
|      |  |      |  | DRWG. BY: WAZ                                                |  | DRWG. BY: WAZ                                                                                                             |  | PART NO. DRWG. NO.                                                                                                                                             |  |
|      |  |      |  | APPROV. BY:                                                  |  | SCALE: 4:1                                                                                                                |  | SEE CHART SDA-70400-1226-1249                                                                                                                                  |  |
|      |  |      |  | FILE NAME<br>S70400A.XB                                      |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  | DIV. Dwg. SIZE                                                                                                                                                 |  |