

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0014564174**  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 28, 0.76µm (30µ") Gold (Au), 17 Circuits

**Documents:**

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

**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) 17  
 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 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 28  
 Wire/Cable Type Discrete Wire, Ribbon Cable

**Electrical**

Current - Maximum per Contact 3A  
 Voltage - Maximum 250V

**Material Info**



Series

image - Reference only

**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**

[70544](#), [70546](#), [70554](#) , [70556](#)

**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 Wire Terminator for SL - Rebuilt US*	<a href="#">0011201337</a>

## Reference - Drawing Numbers

Product Specification  
Sales Drawing

PS-70400  
SDA-70400-1436-1459

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

This document was generated on 05/21/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# OPTION C

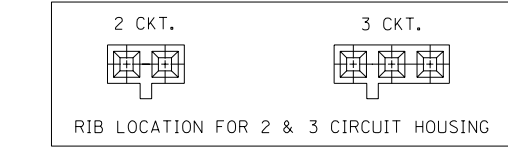
## NOTES:

- TO BE USED WITH (28) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- SEE CHART FOR CIRCUIT SIZES.
- STANDARD PACKAGING PER PK-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE , REQUEST DWG. PK-70400
- PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- REFER TO PRODUCT SPECIFICATION: PS-70400.
- SEE DWG. SDA-70400-\*\*\*\* (SHT. 5) FOR OPTIONAL HOUSING DETAILS.
- 4 CIRCUIT SHOWN. 4 - 25 CKT.'S. HAVE (2) RIBS.
- TO MATE WITH MOLEX PART NO.'S.: A-70374-\*\*\*\*, A-70376-\*\*\*\*, A-70390-\*\*\*\*, A-70392-\*\*\*\*, A-70544-\*\*\*\*, A-70554-\*\*\*\*, A-70542-\*\*\*\*, A-70552-\*\*\*\*, A-70546-\*\*\*\*, A-70556-\*\*\*\*.
- 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.

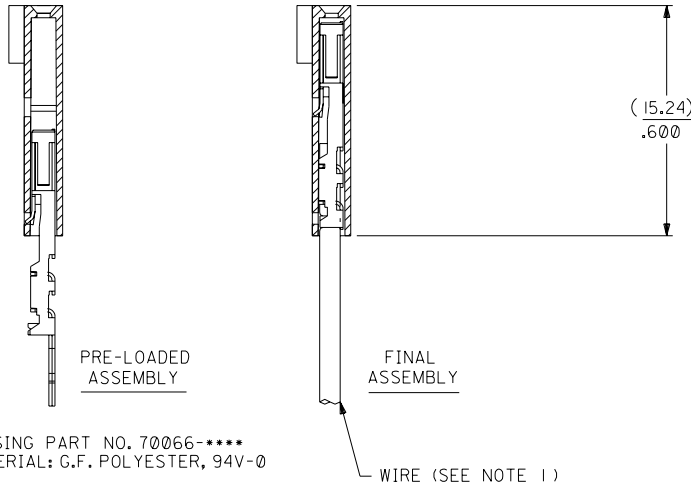


I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
C	28 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
30 GOLD	RED



## SECTION C-C



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.

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	( 2.54 ) .100	( 5.05 ) .199	14-56-4024	A-70400-1436
3	( 5.08 ) .200	( 7.59 ) .299	14-56-4034	A-70400-1437
4	( 7.62 ) .300	( 10.13 ) .399	14-56-4044	A-70400-1438
5	( 10.16 ) .400	( 12.67 ) .499	14-56-4054	A-70400-1439
6	( 12.70 ) .500	( 15.21 ) .599	14-56-4064	A-70400-1440
7	( 15.24 ) .600	( 17.75 ) .699	14-56-4074	A-70400-1441
8	( 17.78 ) .700	( 20.29 ) .799	14-56-4084	A-70400-1442
9	( 20.32 ) .800	( 22.83 ) .899	14-56-4094	A-70400-1443
10	( 22.86 ) .900	( 25.37 ) .999	14-56-4104	A-70400-1444
11	( 25.54 ) 1.000	( 27.91 ) 1.099	14-56-4114	A-70400-1445
12	( 27.94 ) 1.100	( 30.45 ) 1.199	14-56-4124	A-70400-1446
13	( 30.48 ) 1.200	( 32.99 ) 1.299	14-56-4134	A-70400-1447
14	( 33.02 ) 1.300	( 35.53 ) 1.399	14-56-4144	A-70400-1448
15	( 35.56 ) 1.400	( 38.07 ) 1.499	14-56-4154	A-70400-1449
16	( 38.01 ) 1.500	( 40.61 ) 1.599	14-56-4164	A-70400-1450
17	( 40.64 ) 1.600	( 43.15 ) 1.699	14-56-4174	A-70400-1451
18	( 43.18 ) 1.700	( 45.69 ) 1.799	14-56-4184	A-70400-1452
19	( 45.72 ) 1.800	( 48.23 ) 1.899	14-56-4194	A-70400-1453
20	( 48.26 ) 1.900	( 50.77 ) 1.999	14-56-4204	A-70400-1454
21	( 50.80 ) 2.000	( 53.31 ) 2.099	14-56-4214	A-70400-1455
22	( 53.34 ) 2.100	( 55.85 ) 2.199	14-56-4224	A-70400-1456
23	( 55.88 ) 2.200	( 58.39 ) 2.299	14-56-4234	A-70400-1457
24	( 58.42 ) 2.300	( 60.93 ) 2.399	14-56-4244	A-70400-1458
25	( 60.96 ) 2.400	( 63.47 ) 2.499	14-56-4254	A-70400-1459

LTR.	REVISIONS	LTR.	REVISIONS

REVISED PER ECR NO. U82110 10-17-88 BJS	REVISIONS	E
LEAD FREE LCP2004-1769 RWHITE 04/03/22	REVISIONS	D
ADD CARRIER CHAMF ECR# UDT1998-0280 05/20/98 LMCGRATH	REVISIONS	C
REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.	REVISIONS	

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS	
3 PLACE ± .010	INCH	SEE CHART	REVISIONS
2 PLACE ± .014 ± 0.25	METRIC	SEE CHART	REVISIONS
1 PLACE --- ± 0.35		SEE CHART	REVISIONS
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING NO. SDA-70400-1436-1459	
DRWG. BY: WAZ		DATE: 10/11/84	
CHK'D. BY: WAZ		SHEET NO. 60532	
SCALE: 4:1		PART NO. SDA-70400-1436-1459	
FILE NAME: S70400CX9		MOLEX INCORPORATED	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		LITSE, ILL. 60532 U.S.A.	

MFG. SH. REV.

REVISIONS

REVISIONS

REVISIONS

REVISIONS

REVISIONS