

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

**Part Number:** **0014567225**  
**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 22, 0.38µm (15µ") Gold (Au), 22 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) 22  
 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) 15  
 Plating min: Mating (µm) 0.375  
 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

**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-70400-3210-3233

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>

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# OPTION C

## NOTES:

- TO BE USED WITH (22) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- SEE CHART FOR CIRCUIT SIZES.
- STANDARD PACKAGING PER PK-70873-0001. 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
D	22 AWG.

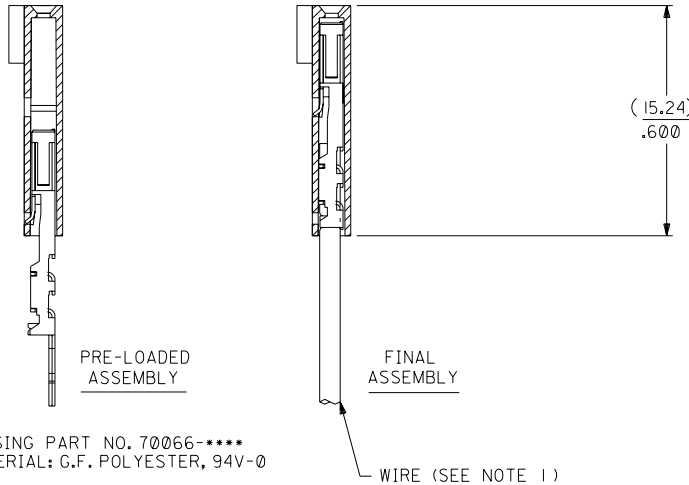
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
15 GOLD	YELLOW

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.



## SECTION C-C



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

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

WIRE (SEE NOTE 1)

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	( 2.54 ) .100	( 5.05 ) .199	14-56-7025	A-70400-3210
3	( 5.08 ) .200	( 7.59 ) .299	14-56-7035	A-70400-3211
4	( 7.62 ) .300	( 10.13 ) .399	14-56-7045	A-70400-3212
5	( 10.16 ) .400	( 12.67 ) .499	14-56-7055	A-70400-3213
6	( 12.70 ) .500	( 15.21 ) .599	14-56-7065	A-70400-3214
7	( 15.24 ) .600	( 17.75 ) .699	14-56-7075	A-70400-3215
8	( 17.78 ) .700	( 20.29 ) .799	14-56-7085	A-70400-3216
9	( 20.32 ) .800	( 22.83 ) .899	14-56-7095	A-70400-3217
10	( 22.86 ) .900	( 25.37 ) .999	14-56-7105	A-70400-3218
11	( 25.54 ) 1.000	( 27.91 ) 1.099	14-56-7115	A-70400-3219
12	( 27.94 ) 1.100	( 30.45 ) 1.199	14-56-7125	A-70400-3220
13	( 30.48 ) 1.200	( 32.99 ) 1.299	14-56-7135	A-70400-3221
14	( 33.02 ) 1.300	( 35.53 ) 1.399	14-56-7145	A-70400-3222
15	( 35.56 ) 1.400	( 38.07 ) 1.499	14-56-7155	A-70400-3223
16	( 38.01 ) 1.500	( 40.61 ) 1.599	14-56-7165	A-70400-3224
17	( 40.64 ) 1.600	( 43.15 ) 1.699	14-56-7175	A-70400-3225
18	( 43.18 ) 1.700	( 45.69 ) 1.799	14-56-7185	A-70400-3226
19	( 45.72 ) 1.800	( 48.23 ) 1.899	14-56-7195	A-70400-3227
20	( 48.26 ) 1.900	( 50.77 ) 1.999	14-56-7205	A-70400-3228
21	( 50.80 ) 2.000	( 53.31 ) 2.099	14-56-7215	A-70400-3229
22	( 53.34 ) 2.100	( 55.85 ) 2.199	14-56-7225	A-70400-3230
23	( 55.88 ) 2.200	( 58.39 ) 2.299	14-56-7235	A-70400-3231
24	( 58.42 ) 2.300	( 60.93 ) 2.399	14-56-7245	A-70400-3232
25	( 60.96 ) 2.400	( 63.47 ) 2.499	14-56-7255	A-70400-3233

REV.	DATE	BY	REVISIONS
C			REVISED PER ECR NO. U82110 10-17-88 BJS
D			LEAD FREE LCP2004-1769 RWHTIE 04/03/22
B			REVISE PER ECR #U80110 2/3/88 MJM
C1			ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH
A			RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB
LTR.			REVISIONS

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		
3 PLACE	INCH	METRIC
± .010	---	---
± .014	± 0.25	---
---	± 0.35	---

MFG. SH. REV.	
REVISE ONLY ON CAD SYSTEM	TITLE
	ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)
MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.	SHEET NO. DATE 10/26/87
PART NO. SDA-70400-3210-3233	DRWG. NO. SDA-70400-3210-3233
FILE NAME 740032 ID DCN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
DRWG. BY AAB	CHK'D BY WAZ
APP'D BY	SCALE 4:1
DA	DA