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Part Number: **0014563105**
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 24, 0.38µm (15µ") Gold (Au), 10 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) 10
 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 24
 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

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email 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*	0011201337

Old Part Number

A704000569

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-70400

SDA-70400-0561-0584

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

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OPTION C

NOTES:

- TO BE USED WITH (24) 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.

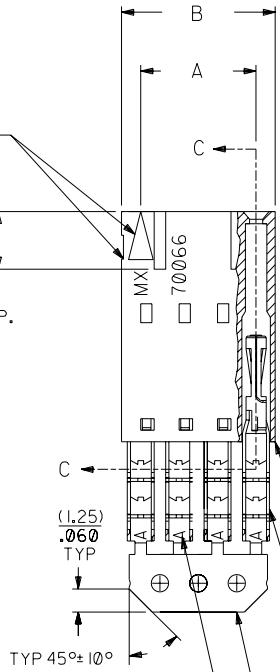


SECTION C-C



CIRCUIT NO. 1
SLOT OR ARROW

(3.81)
.150 TYP.



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.

I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
A	24 AWG.

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

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-3025	A-70400-0561
3	(5.08) .200	(7.59) .299	14-56-3035	A-70400-0562
4	(7.62) .300	(10.13) .399	14-56-3045	A-70400-0563
5	(10.16) .400	(12.67) .499	14-56-3055	A-70400-0564
6	(12.70) .500	(15.21) .599	14-56-3065	A-70400-0565
7	(15.24) .600	(17.75) .699	14-56-3075	A-70400-0566
8	(17.78) .700	(20.29) .799	14-56-3085	A-70400-0567
9	(20.32) .800	(22.83) .899	14-56-3095	A-70400-0568
10	(22.86) .900	(25.37) .999	14-56-3105	A-70400-0569
11	(25.54) 1.000	(27.91) 1.099	14-56-3115	A-70400-0570
12	(27.94) 1.100	(30.45) 1.199	14-56-3125	A-70400-0571
13	(30.48) 1.200	(32.99) 1.299	14-56-3135	A-70400-0572
14	(33.02) 1.300	(35.53) 1.399	14-56-3145	A-70400-0573
15	(35.56) 1.400	(38.07) 1.499	14-56-3155	A-70400-0574
16	(38.01) 1.500	(40.61) 1.599	14-56-3165	A-70400-0575
17	(40.64) 1.600	(43.15) 1.699	14-56-3175	A-70400-0576
18	(43.18) 1.700	(45.69) 1.799	14-56-3185	A-70400-0577
19	(45.72) 1.800	(48.23) 1.899	14-56-3195	A-70400-0578
20	(48.26) 1.900	(50.77) 1.999	14-56-3205	A-70400-0579
21	(50.80) 2.000	(53.31) 2.099	14-56-3215	A-70400-0580
22	(53.34) 2.100	(55.85) 2.199	14-56-3225	A-70400-0581
23	(55.88) 2.200	(58.39) 2.299	14-56-3235	A-70400-0582
24	(58.42) 2.300	(60.93) 2.399	14-56-3245	A-70400-0583
25	(60.96) 2.400	(63.47) 2.499	14-56-3255	A-70400-0584

LTR.	REVISIONS	LTR.	REVISIONS
E	REVISED PER ECR NO. U82110 10-17-88 BJS	D	REVISE PER ECR #U80110 2/3/88 MJM
F	LEAD FREE UCP2004-1769 RWHITE 04/03/17	C	REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.
EI	ADD CARRIER CHAMF ECR# UDT1998-0280 05/20/98 LMCCRATH		

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

MFG. SH. REV.		REVISE ONLY ON CAD SYSTEM	
TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)			
MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 10/09/84	DATE
PART NO. SDA-70400-0561-0584		DRWG. NO.	
SEE CHART		FILE NAME S70400CK4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			

LTR.	REVISIONS	LTR.	REVISIONS

DRWG. BY	CHK'D. BY	SCALE
WAZ	WAZ	4:1

APP'D. BY	SCALE	SIZE
		DA C