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Part Number: [0014564224](#)
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), 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™

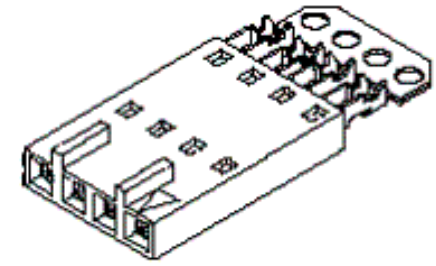
Physical

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) 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
 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

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>

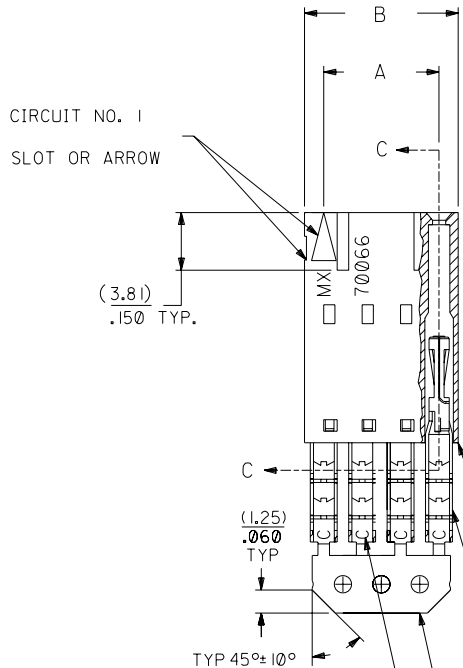
This document was generated on 05/21/2010

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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.

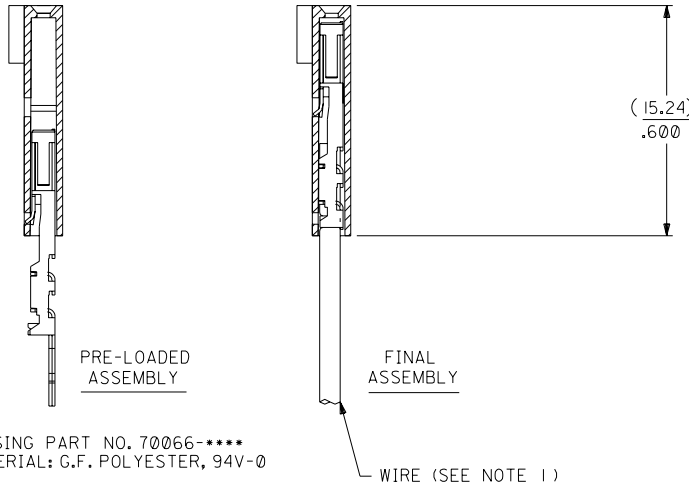
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
30 GOLD	RED

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.



SECTION C-C



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	REVISIONS	
2 PLACE ± .014 ± 0.25	METRIC		
1 PLACE --- ± 0.35			
DRAWING INFORMATION		DRAWING INFORMATION	
DRWG. BY: WAZ	CHK'D. BY: WAZ	SCALE: 4:1	
APP'D. BY:			

MFG. SH. REV.		REVISE ONLY ON CAD SYSTEM	
TITLE: ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)			
MOLEX INCORPORATED		SHEET NO.	DATE
LITSE,ILL. 60532		U.S.A.	10/11/84
PART NO. SDA-70400-1436-1459		DRWG. NO.	
SEE CHART		FILE NAME	DIV.
570400CX9		570400CX9	DA
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