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Part Number: [0014564091](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 24, 0.76µm (30µ") Gold (Au), 9 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) 9
 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 24
 Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

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

Material Info



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

[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

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-	0011201337
Automatic Discrete	

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-1121-1144

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

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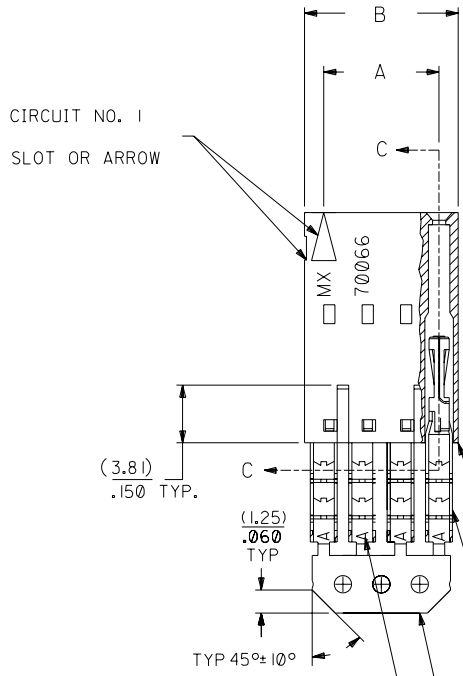
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OPTION D

NOTES:

- 1) TO BE USED WITH (24) 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 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. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70004-****, 70013-****

9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.

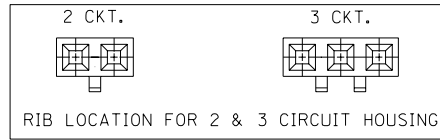


I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
A	24 AWG.

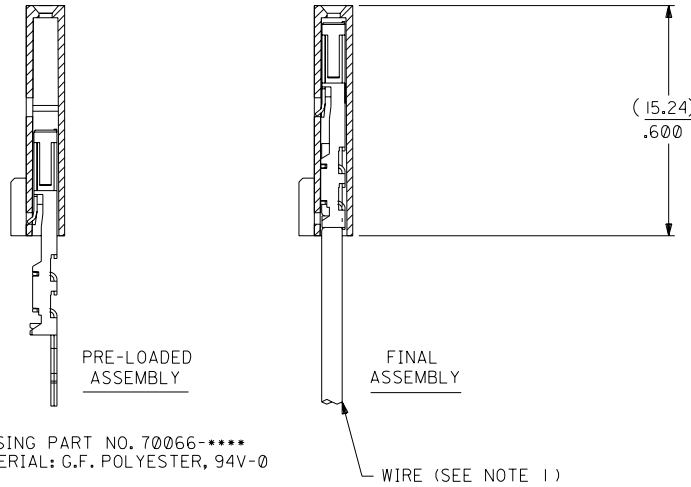
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
30 GOLD	RED

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



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	14-56-4021	A-70400-1121
3	(5.08) .200	(7.59) .299	14-56-4031	A-70400-1122
4	(7.62) .300	(10.13) .399	14-56-4041	A-70400-1123
5	(10.16) .400	(12.67) .499	14-56-4051	A-70400-1124
6	(12.70) .500	(15.21) .599	14-56-4061	A-70400-1125
7	(15.24) .600	(17.75) .699	14-56-4071	A-70400-1126
8	(17.78) .700	(20.29) .799	14-56-4081	A-70400-1127
9	(20.32) .800	(22.83) .899	14-56-4091	A-70400-1128
10	(22.86) .900	(25.37) .999	14-56-4101	A-70400-1129
11	(25.54) 1.000	(27.91) 1.099	14-56-4111	A-70400-1130
12	(27.94) 1.100	(30.45) 1.199	14-56-4121	A-70400-1131
13	(30.48) 1.200	(32.99) 1.299	14-56-4131	A-70400-1132
14	(33.02) 1.300	(35.53) 1.399	14-56-4141	A-70400-1133
15	(35.56) 1.400	(38.07) 1.499	14-56-4151	A-70400-1134
16	(38.01) 1.500	(40.61) 1.599	14-56-4161	A-70400-1135
17	(40.64) 1.600	(43.15) 1.699	14-56-4171	A-70400-1136
18	(43.18) 1.700	(45.69) 1.799	14-56-4181	A-70400-1137
19	(45.72) 1.800	(48.23) 1.899	14-56-4191	A-70400-1138
20	(48.26) 1.900	(50.77) 1.999	14-56-4201	A-70400-1139
21	(50.80) 2.000	(53.31) 2.099	14-56-4211	A-70400-1140
22	(53.34) 2.100	(55.85) 2.199	14-56-4221	A-70400-1141
23	(55.88) 2.200	(58.39) 2.299	14-56-4231	A-70400-1142
24	(58.42) 2.300	(60.93) 2.399	14-56-4241	A-70400-1143
25	(60.96) 2.400	(63.47) 2.499	14-56-4251	A-70400-1144

LTR.	REVISIONS	LTR.	REVISIONS

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

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISE ONLY ON CAD SYSTEM	
3 PLACE ± .010	METRIC ---	TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
2 PLACE ± .014	± 0.25	MOLEX INCORPORATED SHEET NO. DATE 10/10/84	
1 PLACE ---	± 0.35	PART NO. SDA-70400-1121-1144	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FILE NAME S10400DX7	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE DA C	