

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0014562024](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 26, 0.38µm (15µ") Gold (Au), 2 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

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

Agency Certification

CSA LR19980
UL E29179

General

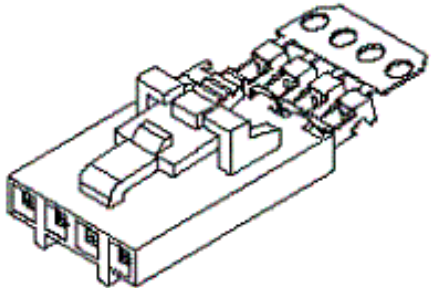
Product Family Ribbon Cable / Wire Trap Connectors
Series [70400](#)
Comments Terminals Preloaded
Component Type Housing
Glow-Wire Compliant No
Overview [cgrid_sl_products](#)
Product Name SL™

Physical

Circuits (Loaded) 2
Color - Resin Black
Durability (mating cycles max) 50
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part Yes
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 26
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

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



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

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

[70018](#) , [70107A/B](#), [70543](#), [70545](#) , [70553](#) , [70555](#)

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

Hawk Semi-
Automatic Discrete

Product #

[0011201337](#)

Material Info

Old Part Number	70400-0841
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-0841-0864

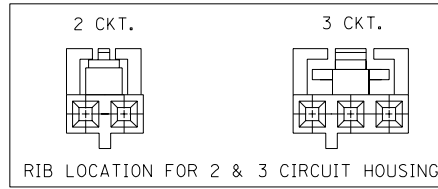
Wire Terminator for SL - Rebuilt US*	
Hawk™ Ribbon	<u>0623003000</u>
Cable Terminator for SL without Break-off	
Hawk™ Semi- Automatic Discrete	<u>0623004900</u>
Wire Terminator for SL - Rebuilt CE Approved*	
Hawk™ Flat Flex	<u>0623005200</u>
Cable Terminator for SL with Break-off	
Hawk™ Ribbon	<u>0623005300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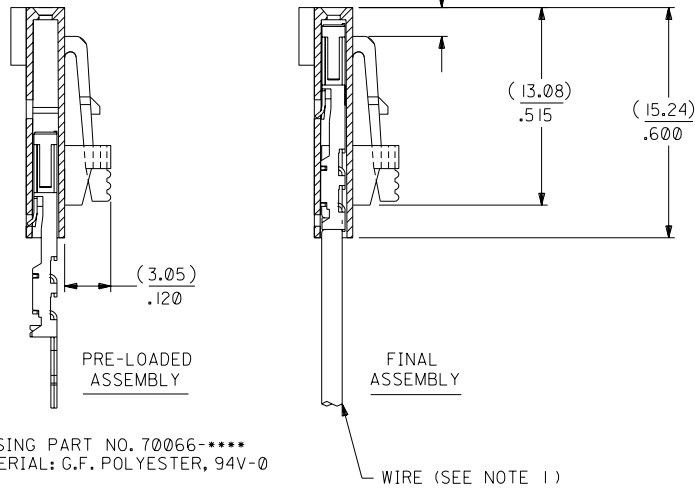
OPTION G

NOTES:

- 1) TO BE USED WITH (26) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70400-0001. 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-70400-0001 (SHT. 5) FOR OPTIONAL HOUSING DETAILS.
- 7) 4 CIRCUIT SHOWN. 4 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: A-70373-0001, A-70375-0001, A-70389-0001, A-70391-0001, A-70107-0001, A-70108-0001, A-70543-0001, A-70553-0001, A-70541-0001, A-70551-0001, A-70545-0001, A-70555-0001.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



HOUSING PART NO. 70066-0001
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70028-0001
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-000

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.

CIRCUIT NO. 1
SLOT OR ARROW

I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
B	26 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	14-56-2024	A-70400-0841
3	(5.08) .200	(7.59) .299	14-56-2034	A-70400-0842
4	(7.62) .300	(10.13) .399	14-56-2044	A-70400-0843
5	(10.16) .400	(12.67) .499	14-56-2054	A-70400-0844
6	(12.70) .500	(15.21) .599	14-56-2064	A-70400-0845
7	(15.24) .600	(17.75) .699	14-56-2074	A-70400-0846
8	(17.78) .700	(20.29) .799	14-56-2084	A-70400-0847
9	(20.32) .800	(22.83) .899	14-56-2094	A-70400-0848
10	(22.86) .900	(25.37) .999	14-56-2104	A-70400-0849
11	(25.54) 1.000	(27.91) 1.099	14-56-2114	A-70400-0850
12	(27.94) 1.100	(30.45) 1.199	14-56-2124	A-70400-0851
13	(30.48) 1.200	(32.99) 1.299	14-56-2134	A-70400-0852
14	(33.02) 1.300	(35.53) 1.399	14-56-2144	A-70400-0853
15	(35.56) 1.400	(38.07) 1.499	14-56-2154	A-70400-0854
16	(38.01) 1.500	(40.61) 1.599	14-56-2164	A-70400-0855
17	(40.64) 1.600	(43.15) 1.699	14-56-2174	A-70400-0856
18	(43.18) 1.700	(45.69) 1.799	14-56-2184	A-70400-0857
19	(45.72) 1.800	(48.23) 1.899	14-56-2194	A-70400-0858
20	(48.26) 1.900	(50.77) 1.999	14-56-2204	A-70400-0859
21	(50.80) 2.000	(53.31) 2.099	14-56-2214	A-70400-0860
22	(53.34) 2.100	(55.85) 2.199	14-56-2224	A-70400-0861
23	(55.88) 2.200	(58.39) 2.299	14-56-2234	A-70400-0862
24	(58.42) 2.300	(60.93) 2.399	14-56-2244	A-70400-0863
25	(60.96) 2.400	(63.47) 2.499	14-56-2254	A-70400-0864

ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS	
REVISED PER ECR* U00049 9-26-90 MGB		INCH METRIC 3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
REVISED PER ECN* U90726 7-10-89 MGB		DRAWG. BY WAZ CHK'D. BY WAZ APPR'D. BY SCALE 4:1		PART NO. SEE CHART FILE NAME S70400GK5	
LTR. REVISIONS		LTR. REVISIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	

MFG. SH. REV.		REVISE ONLY ON CAD SYSTEM	
TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)		SHEET NO. 10/10/84	
MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.		DATE 10/10/84	
PART NO. SEE CHART		DWG. NO. SDA-70400-0841-0864	
FILE NAME S70400GK5		DIV. DA	