

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0014600127](#)
Status: **Active**
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 24, 3.81µm (150µ") Tin/Lead (SnPb), 12 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
Product Name SL™

Physical

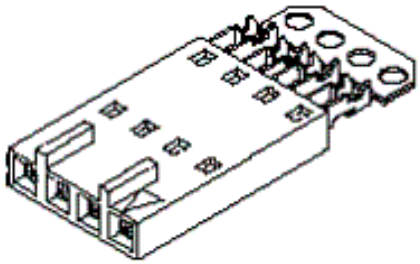
Circuits (Loaded) 12
Color - Resin Black
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester Alloy
Number of Rows 1
PCB Retention None
Packaging Type Tube
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Plating min: Mating (µin) 150
Plating min: Mating (µm) 3.75
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

Old Part Number 70400-0046



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

Hawk Semi-
Automatic Discrete
Wire Terminator for
SL - Rebuilt US*

Product #

[0011201337](#)

Reference - Drawing Numbers

Product Specification
Sales Drawing

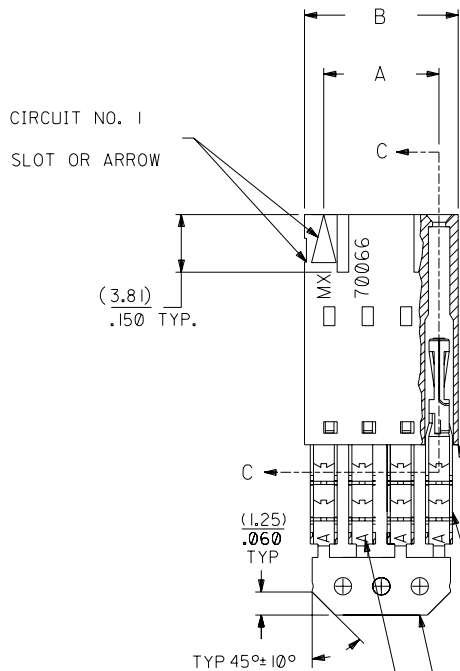
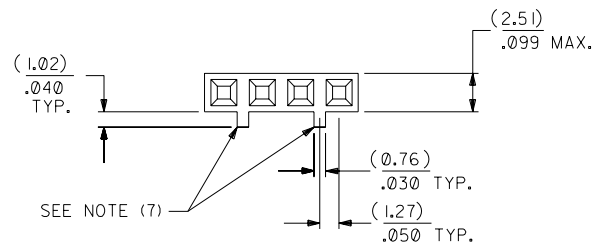
PS-70400
SDA-70400-0036-0059

Hawk™ Ribbon Cable Terminator for SL without Break-off	<u>0623003000</u>
Hawk™ Semi- Automatic Discrete Wire Terminator for SL	<u>0623003100</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>
Hawk™ Semi- Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved*	<u>0623004900</u>

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OPTION C



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
TIN	NONE

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

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

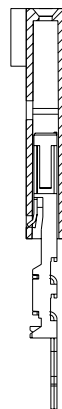
TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.

NOTES:

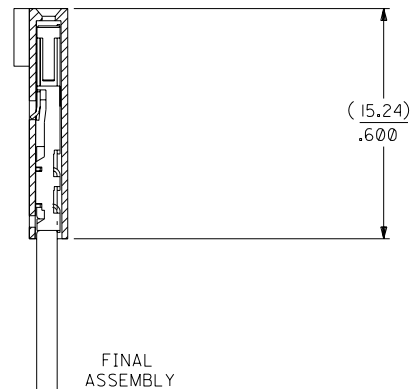
- 1) TO BE USED WITH (24) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE ,REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: PS-70400.
- 6) SEE DWG. SDA-70400-**** (SHT. 5) FOR OPTIONAL HOUSING DETAILS.
- 7) 4 CIRCUIT SHOWN. 4 - 25 CKT'S. HAVE (2) RIBS.
- 8) 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-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED
ASSEMBLY



FINAL
ASSEMBLY

WIRE (SEE NOTE 1)

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) 1.100	(5.05) 1.199	14-60-0027	A-70400-0036
3	(5.08) 2.200	(7.59) 2.299	14-60-0037	A-70400-0037
4	(7.62) 3.300	(10.13) 3.399	14-60-0047	A-70400-0038
5	(10.16) 4.400	(12.67) 4.499	14-60-0057	A-70400-0039
6	(12.70) 5.500	(15.21) 5.599	14-60-0067	A-70400-0040
7	(15.24) 6.600	(17.75) 6.699	14-60-0077	A-70400-0041
8	(17.78) 7.700	(20.29) 7.799	14-60-0087	A-70400-0042
9	(20.32) 8.800	(22.83) 8.899	14-60-0097	A-70400-0043
10	(22.86) 9.900	(25.37) 9.999	14-60-0107	A-70400-0044
11	(25.54) 1.000	(27.91) 1.099	14-60-0117	A-70400-0045
12	(27.94) 1.100	(30.45) 1.199	14-60-0127	A-70400-0046
13	(30.48) 1.200	(32.99) 1.299	14-60-0137	A-70400-0047
14	(33.02) 1.300	(35.53) 1.399	14-60-0147	A-70400-0048
15	(35.56) 1.400	(38.07) 1.499	14-60-0157	A-70400-0049
16	(38.01) 1.500	(40.61) 1.599	14-60-0167	A-70400-0050
17	(40.64) 1.600	(43.15) 1.699	14-60-0177	A-70400-0051
18	(43.18) 1.700	(45.69) 1.799	14-60-0187	A-70400-0052
19	(45.72) 1.800	(48.23) 1.899	14-60-0197	A-70400-0053
20	(48.26) 1.900	(50.77) 1.999	14-60-0207	A-70400-0054
21	(50.80) 2.000	(53.31) 2.099	14-60-0217	A-70400-0055
22	(53.34) 2.100	(55.85) 2.199	14-60-0227	A-70400-0056
23	(55.88) 2.200	(58.39) 2.299	14-60-0237	A-70400-0057
24	(58.42) 2.300	(60.93) 2.399	14-60-0247	A-70400-0058
25	(60.96) 2.400	(63.47) 2.499	14-60-0257	A-70400-0059

*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.

G	LEAD FREE UCP2004-1769 RWHITE 04/03/17		E	REVISED PER ECR NO. U82110 10-17-88 BJS		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR: 1/2°		▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM											
	ADD CARRIER CHAMF ECN #UDT1998-0280 06/20/98 LMCGRATH			REVISE PER ECR #U80110 2/3/88 MJM		<table><tr><td></td><td>INCH</td><td>METRIC</td></tr><tr><td>3 PLACE</td><td>± .010</td><td>---</td></tr><tr><td>2 PLACE</td><td>± .014</td><td>± 0.25</td></tr><tr><td>1 PLACE</td><td>---</td><td>± 0.35</td></tr></table>			INCH	METRIC	3 PLACE	± .010	---	2 PLACE	± .014	± 0.25	1 PLACE	---	± 0.35
	INCH	METRIC																	
3 PLACE	± .010	---																	
2 PLACE	± .014	± 0.25																	
1 PLACE	---	± 0.35																	
F	164 PLATING WAS 102 PER ECR # U30941 07/07/93 REED		C	REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.		MOLEX INCORPORATED LISE, ILL. U.S.A. 68932		SHEET NO.	DATE										
						PART NO. SEE CHART		DRWG. NO. SDA-70400-0036-0059	10/09/84										
L.T.R.	REVISIONS		L.T.R.	REVISIONS		DRWG. BY: WAZ APP'D. BY: CHD SCALED: 4 : 1		FILE NAME 704000X1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DA DIV.	SIZE								