

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0014601042](#)
Status: **Active**
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 28, 3.81µm (150µ") Tin/Lead (SnPb), 4 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

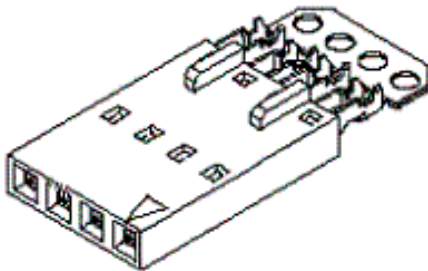
Circuits (Loaded) 4
Color - Resin Black
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester Alloy
Number of Rows 1
PCB Retention 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 28
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact 1.2A
Voltage - Maximum 250V

Material Info

Old Part Number 70400-0423



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
[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-70400-0421-0444

Wire Terminator for
SL - Rebuilt US*
Hawk™ Ribbon 0623003000
Cable Terminator for
SL without Break-off
Hawk™ Semi- 0623003100
Automatic Discrete
Wire Terminator for
SL
Hawk™ Flat Flex 0623005200
Cable Terminator for
SL with Break-off
Hawk™ Ribbon 0623005300
Cable Terminator
with for SL Break-off
Hawk™ Semi- 0623004900
Automatic Discrete
Wire Terminator
for SL - Rebuilt CE
Approved*

This document was generated on 03/30/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

OPTION D

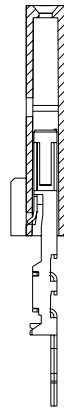
NOTES:

- 1) TO BE USED WITH (28) 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-**** (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-****

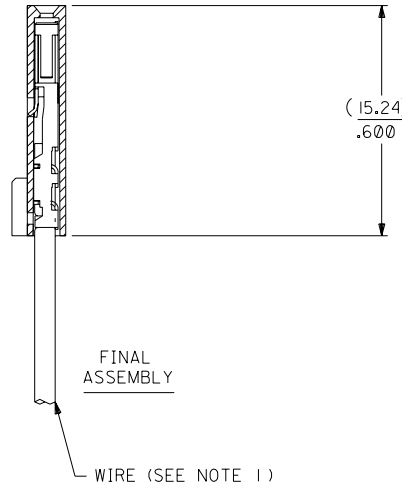
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY



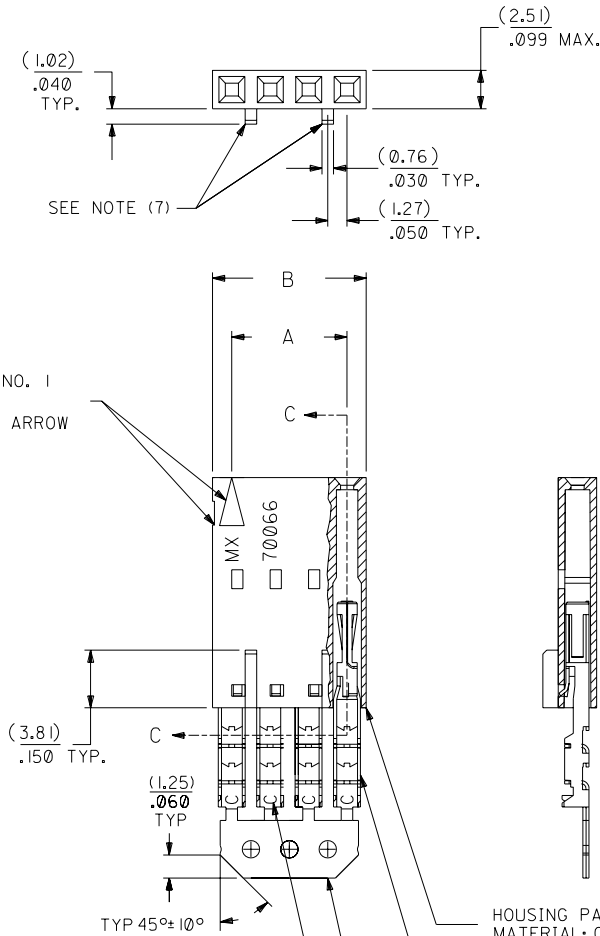
FINAL ASSEMBLY

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.

CIRCUIT NO. 1
SLOT OR ARROW



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
TIN	NONE

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-60-1022	A-70400-0421
3	(5.08) .200	(7.59) .299	14-60-1032	A-70400-0422
4	(7.62) .300	(10.13) .399	14-60-1042	A-70400-0423
5	(10.16) .400	(12.67) .499	14-60-1052	A-70400-0424
6	(12.70) .500	(15.21) .599	14-60-1062	A-70400-0425
7	(15.24) .600	(17.75) .699	14-60-1072	A-70400-0426
8	(17.78) .700	(20.29) .799	14-60-1082	A-70400-0427
9	(20.32) .800	(22.83) .899	14-60-1092	A-70400-0428
10	(22.86) .900	(25.37) .999	14-60-1102	A-70400-0429
11	(25.54) 1.000	(27.91) 1.099	14-60-1112	A-70400-0430
12	(27.94) 1.100	(30.45) 1.199	14-60-1122	A-70400-0431
13	(30.48) 1.200	(32.99) 1.299	14-60-1132	A-70400-0432
14	(33.02) 1.300	(35.53) 1.399	14-60-1142	A-70400-0433
15	(35.56) 1.400	(38.07) 1.499	14-60-1152	A-70400-0434
16	(38.01) 1.500	(40.61) 1.599	14-60-1162	A-70400-0435
17	(40.64) 1.600	(43.15) 1.699	14-60-1172	A-70400-0436
18	(43.18) 1.700	(45.69) 1.799	14-60-1182	A-70400-0437
19	(45.72) 1.800	(48.23) 1.899	14-60-1192	A-70400-0438
20	(48.26) 1.900	(50.77) 1.999	14-60-1202	A-70400-0439
21	(50.80) 2.000	(53.31) 2.099	14-60-1212	A-70400-0440
22	(53.34) 2.100	(55.85) 2.199	14-60-1222	A-70400-0441
23	(55.88) 2.200	(58.39) 2.299	14-60-1232	A-70400-0442
24	(58.42) 2.300	(60.93) 2.399	14-60-1242	A-70400-0443
25	(60.96) 2.400	(63.47) 2.499	14-60-1252	A-70400-0444

*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.

F	LEAD FREE UCP2004-1769 RWHITE 04/03/17		D	REVISED PER ECR NO. U82110 10-17-88 AAB		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM											
	ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH			REVISE PER ECR *U80110 2/3/88 MJM		<table><tr><th></th><th>INCH</th><th>METRIC</th></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																	
EI	164 PLATING WAS 102 PER ECR * U30941 07/13/93 REED		B	REDRAWN ON CAD ECR* 8842 5/8/86 W.Z.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 10/09/84	DATE 10/09/84								
E								PART NO. SEE CHART		SDA-70400-0421-0444									
L.T.R.		REVISIONS	L.T.R.		REVISIONS	DRWG. BY WAZ		CHK'D. BY WAZ		FILE NAME S70400DX3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DEV. DA	SIZE C					
						APP'D. BY		SCALE 4 : 1											