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Part Number: [0014567101](#)
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 22, 3.81µm (150µ") Tin/Lead (SnPb), 10 Circuits

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

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

Agency Certification

CSA LR19980
UL E29179

General

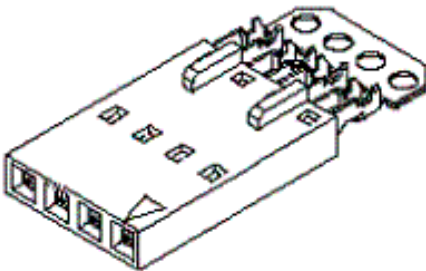
Product Family Ribbon Cable / Wire Trap Connectors
Series [70400](#)
Comments Terminals Preloaded
Component Type Housing
Glow-Wire Compliant No
Overview [cgrid_sl_products](#)
Product Name SL™

Physical

Circuits (Loaded) 10
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 22
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 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-Automatic Discrete	0011201337

Material Info

Old Part Number	70400-3078
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-3070-3093

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 D

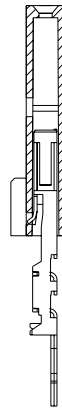
NOTES:

- 1) TO BE USED WITH (22) 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-****

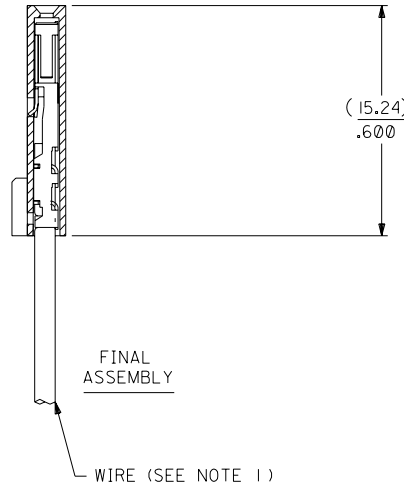
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY



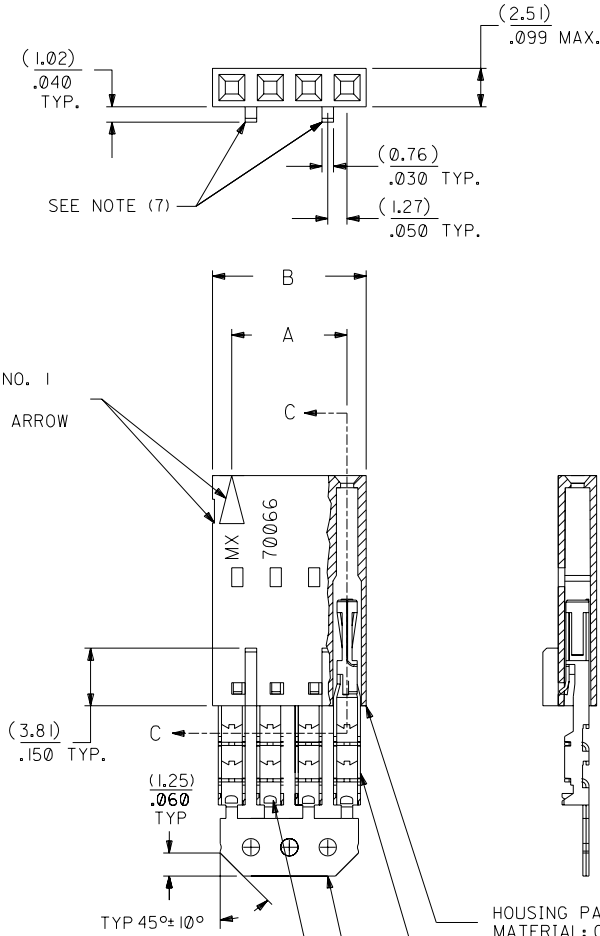
FINAL ASSEMBLY

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
D	22 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	14-56-7021	A-70400-3070
3	(5.08) .200	(7.59) .299	14-56-7031	A-70400-3071
4	(7.62) .300	(10.13) .399	14-56-7041	A-70400-3072
5	(10.16) .400	(12.67) .499	14-56-7051	A-70400-3073
6	(12.70) .500	(15.21) .599	14-56-7061	A-70400-3074
7	(15.24) .600	(17.75) .699	14-56-7071	A-70400-3075
8	(17.78) .700	(20.29) .799	14-56-7081	A-70400-3076
9	(20.32) .800	(22.83) .899	14-56-7091	A-70400-3077
10	(22.86) .900	(25.37) .999	14-56-7101	A-70400-3078
11	(25.54) 1.000	(27.91) 1.099	14-56-7111	A-70400-3079
12	(27.94) 1.100	(30.45) 1.199	14-56-7121	A-70400-3080
13	(30.48) 1.200	(32.99) 1.299	14-56-7131	A-70400-3081
14	(33.02) 1.300	(35.53) 1.399	14-56-7141	A-70400-3082
15	(35.56) 1.400	(38.07) 1.499	14-56-7151	A-70400-3083
16	(38.01) 1.500	(40.61) 1.599	14-56-7161	A-70400-3084
17	(40.64) 1.600	(43.15) 1.699	14-56-7171	A-70400-3085
18	(43.18) 1.700	(45.69) 1.799	14-56-7181	A-70400-3086
19	(45.72) 1.800	(48.23) 1.899	14-56-7191	A-70400-3087
20	(48.26) 1.900	(50.77) 1.999	14-56-7201	A-70400-3088
21	(50.80) 2.000	(53.31) 2.099	14-56-7211	A-70400-3089
22	(53.34) 2.100	(55.85) 2.199	14-56-7221	A-70400-3090
23	(55.88) 2.200	(58.39) 2.299	14-56-7231	A-70400-3091
24	(58.42) 2.300	(60.93) 2.399	14-56-7241	A-70400-3092
25	(60.96) 2.400	(63.47) 2.499	14-56-7251	A-70400-3093

*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.

E		LEAD FREE UCP2004-1769 RWHITE 04/03/22		C		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															
DI		ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH		B		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	TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)			
	INCH	METRIC																									
3 PLACE	± .010	---																									
2 PLACE	± .014	± 0.25																									
1 PLACE	---	± 0.35																									
D		164 PLATING WAS 102 PER ECR # U30941 07/13/93 REED		A		RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.															
LTR.		REVISIONS		LTR.		REVISIONS		DRAWN BY: AAB				SHEET NO. 10/26/87															
								CHKD BY: WAZ				DATE															
								APPROD BY: AAB				PART NO. SEE CHART SDA-70400-3070-3093															
												FILE NAME 74003070.DGN															
												THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.															
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