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Part Number: [0014600088](#)
Status: **Active**
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 24, 3.81µm (150µ") Tin/Lead (SnPb), 8 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

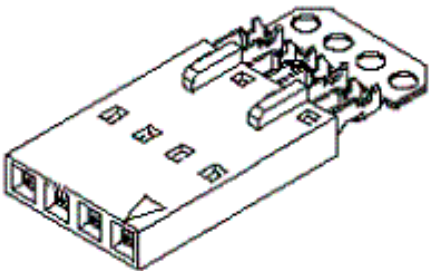
Circuits (Loaded) 8
Color - Resin Black
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester Alloy
Number of Rows 1
PCB Retention 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 70400-0077



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-70400-0071-0094

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*

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OPTION D

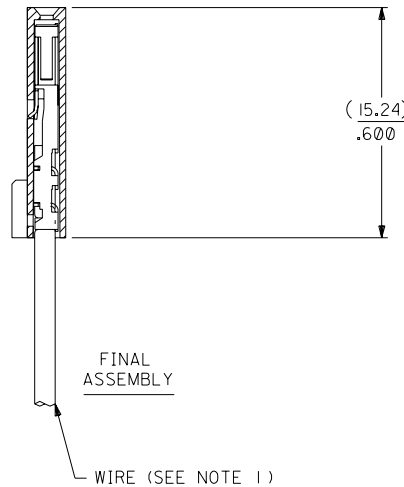
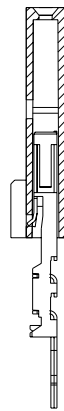
NOTES:

- 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-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

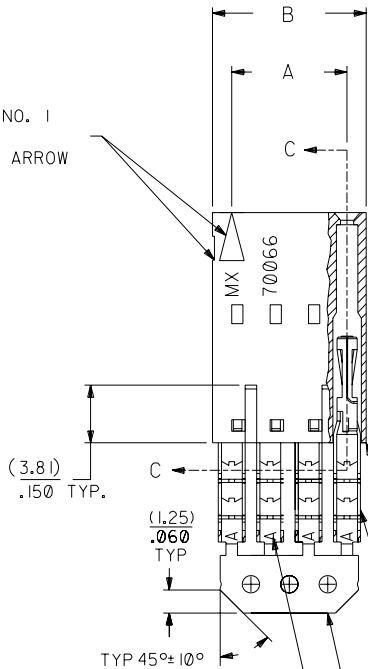
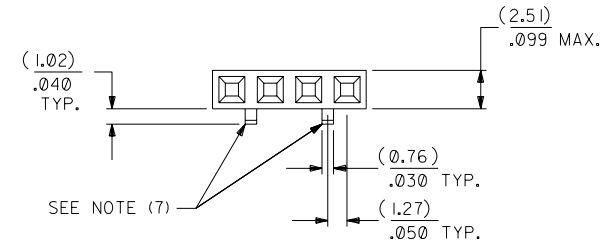


HOUSING PART NO. 70066-****
MATERIAL: G.F. POLYESTER, 94V-0

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
A	24 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	14-60-0028	A-70400-0071
3	(5.08) .200	(7.59) .299	14-60-0038	A-70400-0072
4	(7.62) .300	(10.13) .399	14-60-0048	A-70400-0073
5	(10.16) .400	(12.67) .499	14-60-0058	A-70400-0074
6	(12.70) .500	(15.21) .599	14-60-0068	A-70400-0075
7	(15.24) .600	(17.75) .699	14-60-0078	A-70400-0076
8	(17.78) .700	(20.29) .799	14-60-0088	A-70400-0077
9	(20.32) .800	(22.83) .899	14-60-0098	A-70400-0078
10	(22.86) .900	(25.37) .999	14-60-0108	A-70400-0079
11	(25.54) 1.000	(27.91) 1.099	14-60-0118	A-70400-0080
12	(27.94) 1.100	(30.45) 1.199	14-60-0128	A-70400-0081
13	(30.48) 1.200	(32.99) 1.299	14-60-0138	A-70400-0082
14	(33.02) 1.300	(35.53) 1.399	14-60-0148	A-70400-0083
15	(35.56) 1.400	(38.07) 1.499	14-60-0158	A-70400-0084
16	(38.01) 1.500	(40.61) 1.599	14-60-0168	A-70400-0085
17	(40.64) 1.600	(43.15) 1.699	14-60-0178	A-70400-0086
18	(43.18) 1.700	(45.69) 1.799	14-60-0188	A-70400-0087
19	(45.72) 1.800	(48.23) 1.899	14-60-0198	A-70400-0088
20	(48.26) 1.900	(50.77) 1.999	14-60-0208	A-70400-0089
21	(50.80) 2.000	(53.31) 2.099	14-60-0218	A-70400-0090
22	(53.34) 2.100	(55.85) 2.199	14-60-0228	A-70400-0091
23	(55.88) 2.200	(58.39) 2.299	14-60-0238	A-70400-0092
24	(58.42) 2.300	(60.93) 2.399	14-60-0248	A-70400-0093
25	(60.96) 2.400	(63.47) 2.499	14-60-0258	A-70400-0094

*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		D		DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
LEAD FREE UCP2004-1769 RWHITE 04/03/17		REVISED PER ECR NO. U82110 10-17-88 AAB		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH		REVISE PER ECR *U80110 2/3/88 MJM		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		MOLEX INCORPORATED		SHEET NO. 10/09/84	
164 PLATING WAS 102 PER ECR * U30941 07/13/93 REED		REDRAWN ON CAD ECR* 8842 5/7/86 W.Z.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. SEE CHART		DWG. NO. SDA-70400-0071-0094	
LTR. REVISIONS		LTR. REVISIONS		DRWG. BY WAZ		FILE NAME S70400DX1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
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