

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014601020

Status:

Active

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 26, 3.81µm (150µ") Tin/Lead (SnPb), 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

Product Name

SL™

Physical

Circuits (Loaded)

2

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

26

Wire/Cable Type

Discrete Wire, Ribbon Cable

Electrical

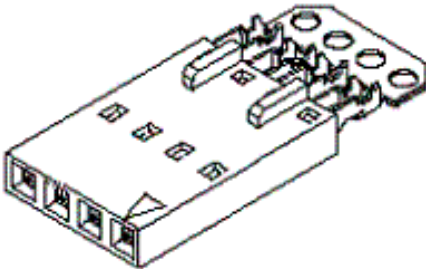
Current - Maximum per Contact

1.8A

Voltage - Maximum

250V

Material Info



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-70400-0246-0269

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

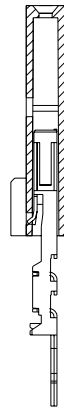
NOTES:

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

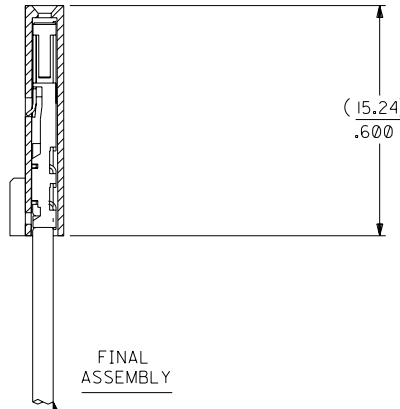
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY



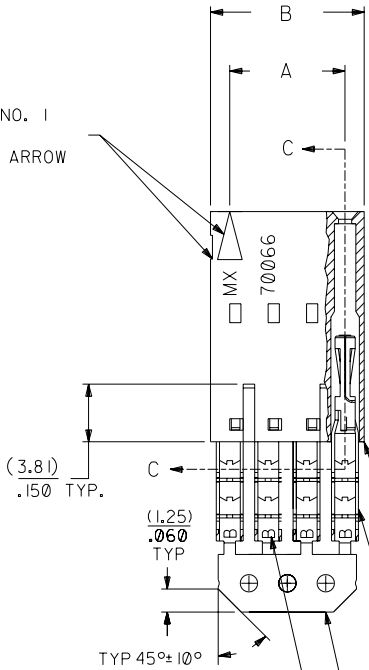
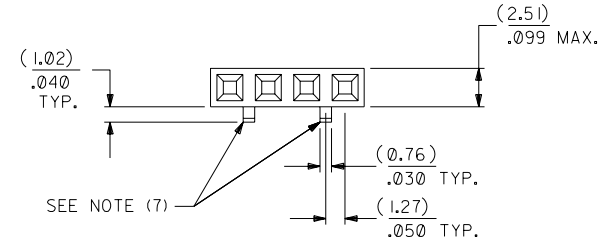
FINAL ASSEMBLY

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
B	26 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	14-60-1020	A-70400-0246
3	(5.08) .200	(7.59) .299	14-60-1030	A-70400-0247
4	(7.62) .300	(10.13) .399	14-60-1040	A-70400-0248
5	(10.16) .400	(12.67) .499	14-60-1050	A-70400-0249
6	(12.70) .500	(15.21) .599	14-60-1060	A-70400-0250
7	(15.24) .600	(17.75) .699	14-60-1070	A-70400-0251
8	(17.78) .700	(20.29) .799	14-60-1080	A-70400-0252
9	(20.32) .800	(22.83) .899	14-60-1090	A-70400-0253
10	(22.86) .900	(25.37) .999	14-60-1100	A-70400-0254
11	(25.54) 1.000	(27.91) 1.099	14-60-1110	A-70400-0255
12	(27.94) 1.100	(30.45) 1.199	14-60-1120	A-70400-0256
13	(30.48) 1.200	(32.99) 1.299	14-60-1130	A-70400-0257
14	(33.02) 1.300	(35.53) 1.399	14-60-1140	A-70400-0258
15	(35.56) 1.400	(38.07) 1.499	14-60-1150	A-70400-0259
16	(38.01) 1.500	(40.61) 1.599	14-60-1160	A-70400-0260
17	(40.64) 1.600	(43.15) 1.699	14-60-1170	A-70400-0261
18	(43.18) 1.700	(45.69) 1.799	14-60-1180	A-70400-0262
19	(45.72) 1.800	(48.23) 1.899	14-60-1190	A-70400-0263
20	(48.26) 1.900	(50.77) 1.999	14-60-1200	A-70400-0264
21	(50.80) 2.000	(53.31) 2.099	14-60-1210	A-70400-0265
22	(53.34) 2.100	(55.85) 2.199	14-60-1220	A-70400-0266
23	(55.88) 2.200	(58.39) 2.299	14-60-1230	A-70400-0267
24	(58.42) 2.300	(60.93) 2.399	14-60-1240	A-70400-0268
25	(60.96) 2.400	(63.47) 2.499	14-60-1250	A-70400-0269

*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	
EI ADD CARRIER CHAMF ECR #UDT1998-0280 05/20/98 LMCGRATH	C REVISE PER ECR #U80110 2/3/88 MJM	E 164 PLATING WAS 102 PER ECR # U30941 07/13/93 REED		B REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.		3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35	
LTR. REVISIONS	LTR. REVISIONS	E DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWG. BY WAZ CHK'D. BY WAZ		MOLEX INCORPORATED SHEET NO. DATE 10/09/84	
PART NO. SEE CHART		SDA-70400-0246-0269		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DA C	