

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014601040

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), 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

26

Wire/Cable Type

Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact

1.8A

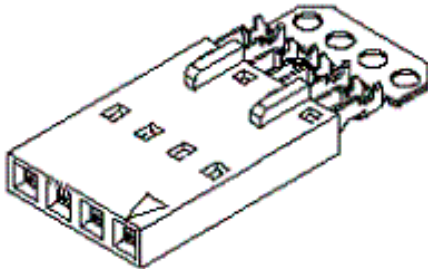
Voltage - Maximum

250V

Material Info

Old Part Number

70400-0248



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

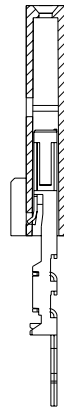
NOTES:

- 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-****

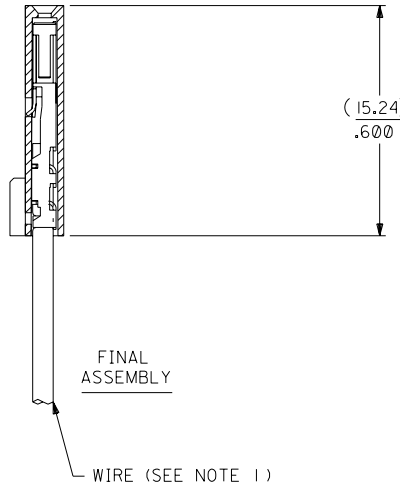
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY



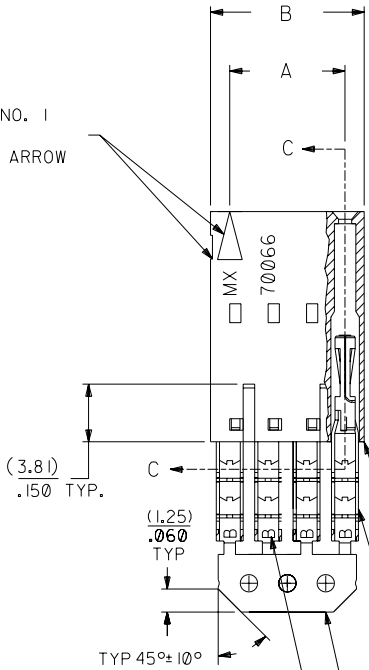
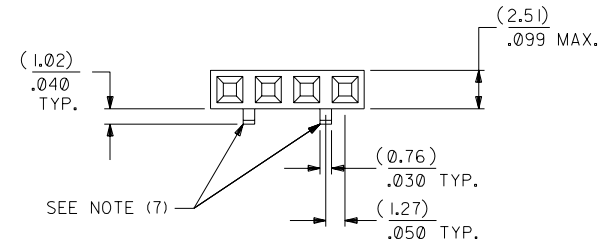
FINAL ASSEMBLY

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																	
E I		ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH		C		REVISE PER ECR #U80110 2/3/88 MJM		<table><tr><td colspan="2">INCH</td><td colspan="2">METRIC</td></tr><tr><td>3 PLACE</td><td>± .010</td><td colspan="2">---</td></tr><tr><td>2 PLACE</td><td>± .014</td><td colspan="2">± 0.25</td></tr><tr><td>1 PLACE</td><td>---</td><td colspan="2">± 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																													
E		164 PLATING WAS 102 PER ECR # U30941 07/13/93 REED		B		REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.				SHEET NO. DATE 10/09/84																			
						DRWG. BY WAZ CHK'D. BY WAZ APPR. BY SCALE 4:1		PART NO. SEE CHART				DRG. NO. SDA-70400-0246-0269																			
LTR.		REVISIONS		LTR.		REVISIONS		FILE NAME 5704000X2				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. DA SIZE C																	