

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0014601051

Status: Active

Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 28, 3.81µm (150µ") Tin/Lead (SnPb), 5 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

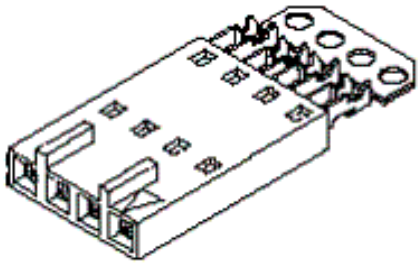
Circuits (Loaded) 5
Color - Resin Black
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester Alloy
Number of Rows 1
PCB Retention 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 70400-0389



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

70544, 70546, 70554 , 70556

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

Hawk Semi-
Automatic Discrete
Wire Terminator for
SL - Rebuilt US*

Product #

0011201337

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-0386-0409

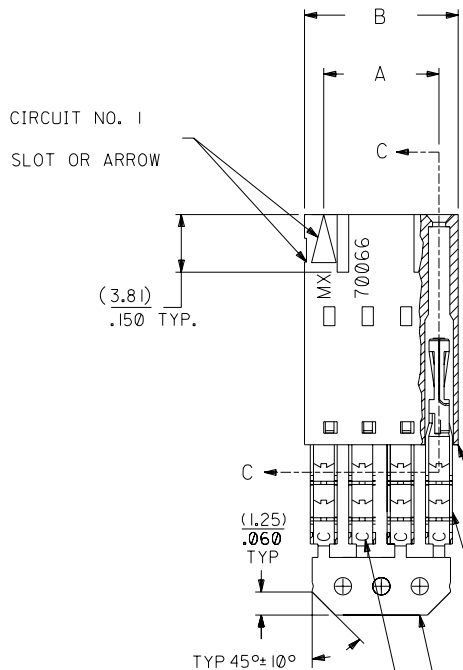
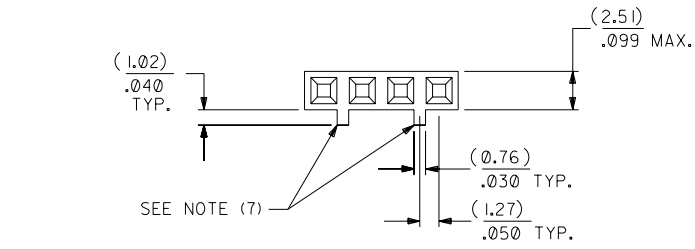
Hawk™ Ribbon Cable Terminator for SL without Break-off	<u>0623003000</u>
Hawk™ Semi-Automatic Discrete Wire Terminator for SL	<u>0623003100</u>
Hawk™ Flat Flex Cable Terminator for SL with Break-off	<u>0623005200</u>
Hawk™ Ribbon Cable Terminator with for SL Break-off	<u>0623005300</u>
Hawk™ Semi-Automatic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

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OPTION C

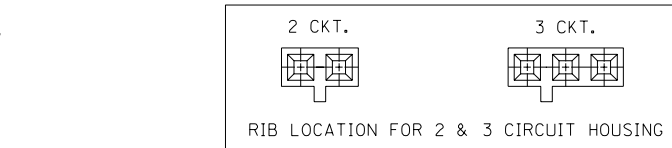
NOTES:

- 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. 4 - 25 CKT.'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO.'S.: A-70374-****, A-70376-****, A-70390-****, A-70392-****, A-70544-****, A-70554-****, A-70542-****, A-70552-****, A-70546-****, A-70556-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.

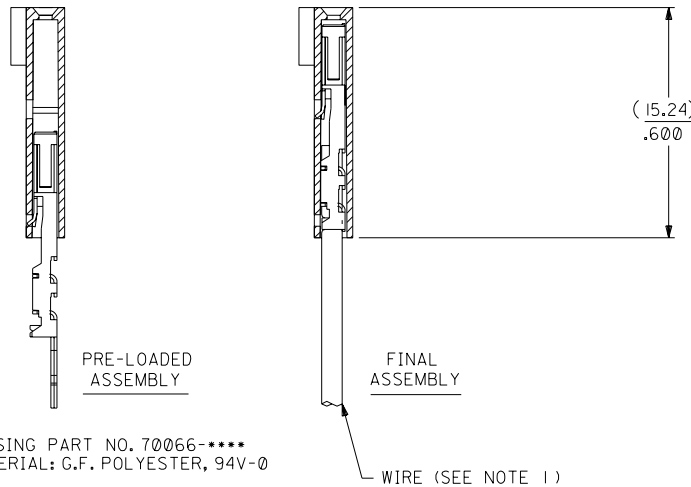


I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
C	28 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
TIN	NONE



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.

*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.

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-60-1021	A-70400-0386
3	(5.08) .200	(7.59) .299	14-60-1031	A-70400-0387
4	(7.62) .300	(10.13) .399	14-60-1041	A-70400-0388
5	(10.16) .400	(12.67) .499	14-60-1051	A-70400-0389
6	(12.70) .500	(15.21) .599	14-60-1061	A-70400-0390
7	(15.24) .600	(17.75) .699	14-60-1071	A-70400-0391
8	(17.78) .700	(20.29) .799	14-60-1081	A-70400-0392
9	(20.32) .800	(22.83) .899	14-60-1091	A-70400-0393
10	(22.86) .900	(25.37) .999	14-60-1101	A-70400-0394
11	(25.54) 1.000	(27.91) 1.099	14-60-1111	A-70400-0395
12	(27.94) 1.100	(30.45) 1.199	14-60-1121	A-70400-0396
13	(30.48) 1.200	(32.99) 1.299	14-60-1131	A-70400-0397
14	(33.02) 1.300	(35.53) 1.399	14-60-1141	A-70400-0398
15	(35.56) 1.400	(38.07) 1.499	14-60-1151	A-70400-0399
16	(38.01) 1.500	(40.61) 1.599	14-60-1161	A-70400-0400
17	(40.64) 1.600	(43.15) 1.699	14-60-1171	A-70400-0401
18	(43.18) 1.700	(45.69) 1.799	14-60-1181	A-70400-0402
19	(45.72) 1.800	(48.23) 1.899	14-60-1191	A-70400-0403
20	(48.26) 1.900	(50.77) 1.999	14-60-1201	A-70400-0404
21	(50.80) 2.000	(53.31) 2.099	14-60-1211	A-70400-0405
22	(53.34) 2.100	(55.85) 2.199	14-60-1221	A-70400-0406
23	(55.88) 2.200	(58.39) 2.299	14-60-1231	A-70400-0407
24	(58.42) 2.300	(60.93) 2.399	14-60-1241	A-70400-0408
25	(60.96) 2.400	(63.47) 2.499	14-60-1251	A-70400-0409

G	LEAD FREE UCP2004-1769 RWHITE 04/03/17		E	REVISED PER ECR NO. U82110 10-17-88 BJS		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><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																			
F	164 PLATING WAS 102 PER ECR # U30941 07/07/93 REED		C	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.	DATE										
	LTR. REVISIONS			LTR. REVISIONS		DRWG. BY: WAZ CHK'D. BY: WAZ APP'D. BY: SCALE 4:1		PART NO. SEE CHART		DRG. NO. SDA-70400-0386-0409		10/09/84									
FILE NAME 7400040X3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						DIV. DA		SIZE C											