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Part Number:

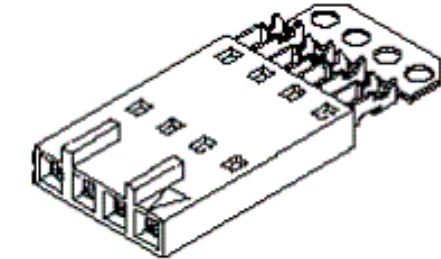
0014600197

Status:

Active

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 24, 3.81µm (150µ") Tin/Lead (SnPb), 19 Circuits



Series

image - Reference only

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)

19

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

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	Product #
Hawk Semi-Automatice Discrete Wire Terminator for SL - Rebuilt US*	0011201337

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-0036-0059

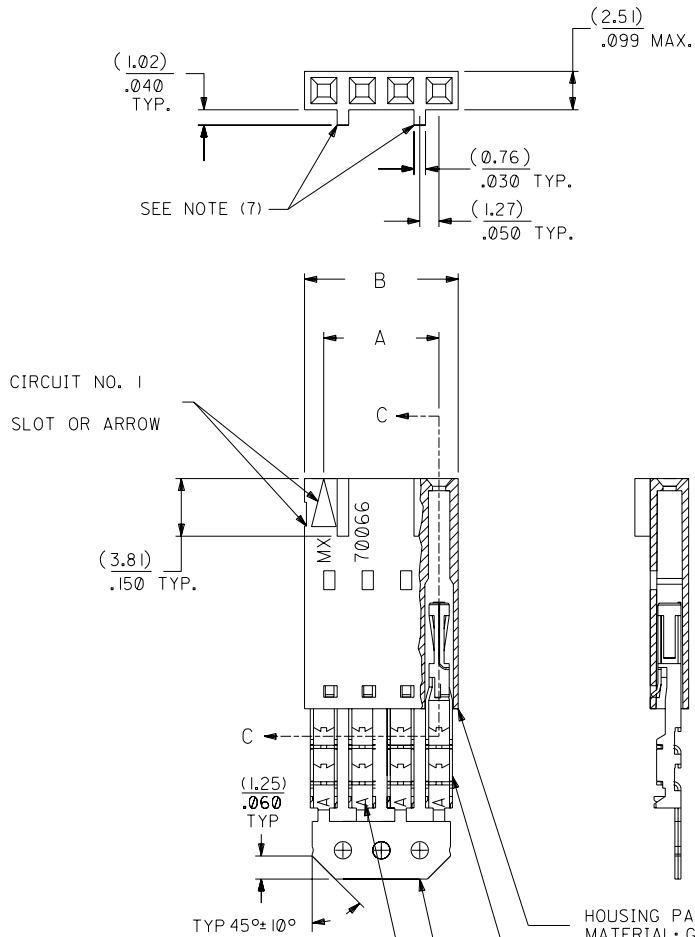
Hawk™ Ribbon Cable Terminator for SL without Break-off	<u>0623003000</u>
Hawk™ Semi-Automatic Discrete Wire Terminator for SL	<u>0623003100</u>
Hawk™ Flat Flex Cable Terminator for SL with Break-off	<u>0623005200</u>
Hawk™ Ribbon Cable Terminator with for SL Break-off	<u>0623005300</u>
Hawk™ Semi-Automatic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

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OPTION C

NOTES:

- 1) TO BE USED WITH (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. 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
A	24 AWG.

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

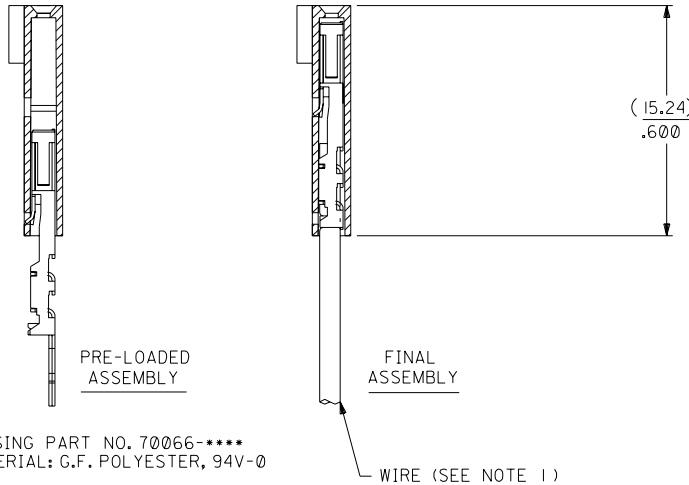
HOUSING PART NO. 70066-****
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70028-****
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-***

TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.



SECTION C-C



CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-60-0027	A-70400-0036
3	(5.08) .200	(7.59) .299	14-60-0037	A-70400-0037
4	(7.62) .300	(10.13) .399	14-60-0047	A-70400-0038
5	(10.16) .400	(12.67) .499	14-60-0057	A-70400-0039
6	(12.70) .500	(15.21) .599	14-60-0067	A-70400-0040
7	(15.24) .600	(17.75) .699	14-60-0077	A-70400-0041
8	(17.78) .700	(20.29) .799	14-60-0087	A-70400-0042
9	(20.32) .800	(22.83) .899	14-60-0097	A-70400-0043
10	(22.86) .900	(25.37) .999	14-60-0107	A-70400-0044
11	(25.54) 1.000	(27.91) 1.099	14-60-0117	A-70400-0045
12	(27.94) 1.100	(30.45) 1.199	14-60-0127	A-70400-0046
13	(30.48) 1.200	(32.99) 1.299	14-60-0137	A-70400-0047
14	(33.02) 1.300	(35.53) 1.399	14-60-0147	A-70400-0048
15	(35.56) 1.400	(38.07) 1.499	14-60-0157	A-70400-0049
16	(38.01) 1.500	(40.61) 1.599	14-60-0167	A-70400-0050
17	(40.64) 1.600	(43.15) 1.699	14-60-0177	A-70400-0051
18	(43.18) 1.700	(45.69) 1.799	14-60-0187	A-70400-0052
19	(45.72) 1.800	(48.23) 1.899	14-60-0197	A-70400-0053
20	(48.26) 1.900	(50.77) 1.999	14-60-0207	A-70400-0054
21	(50.80) 2.000	(53.31) 2.099	14-60-0217	A-70400-0055
22	(53.34) 2.100	(55.85) 2.199	14-60-0227	A-70400-0056
23	(55.88) 2.200	(58.39) 2.299	14-60-0237	A-70400-0057
24	(58.42) 2.300	(60.93) 2.399	14-60-0247	A-70400-0058
25	(60.96) 2.400	(63.47) 2.499	14-60-0257	A-70400-0059

*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.

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	3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35	TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW - (2.54)/.100 GRID)			
F	164 PLATING WAS 102 PER ECR * U30941 07/07/93 REED	D	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
F		C					PART NO. SEE CHART	SDA-70400-0036-0059
LTR.	REVISIONS	LTR.	REVISIONS	DRWG. BY WAZ	CHK'D. BY WAZ	FILE NAME 570400CK1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DEV. SIZE DA C
				APPR'D. BY	SCALE 4 : 1			