

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014562022

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 24, 0.38µm (15µ") Gold (Au), 2 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-70400 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Comments

Component Type

Glow-Wire Compliant

Overview

Product Name

Ribbon Cable / Wire Trap Connectors

70400

Terminals Preloaded

Housing

No

cgrid_sl_products

SL™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Entry Angle

Flammability

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire/Cable Type

2

Black

50

Vertical

94V-0

Yes

Phosphor Bronze

Gold

Tin

Polyester Alloy

1

None

Tube

0.100 In

2.54 mm

15

0.375

75

1.875

Yes

Yes

N/A

-40°C to +105°C

IDT or Pierce

1.35mm (.053") max.

24

Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V

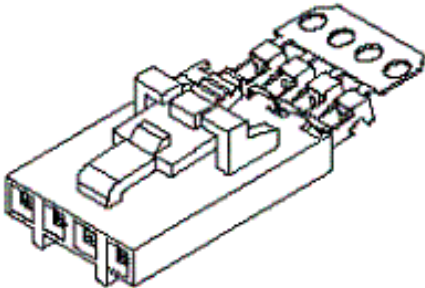


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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
[70018](#) , [70107A/B](#), [70543](#), [70545](#) , [70553](#) , [70555](#)

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-

Automatic Discrete

[0011201337](#)

Material Info

Old Part Number	A-70400-0666
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-0666-0689

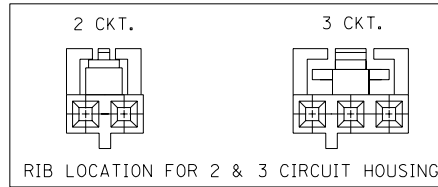
Wire Terminator for SL - Rebuilt US*	
Hawk™ Ribbon	<u>0623003000</u>
Cable Terminator for SL without Break-off	
Hawk™ Semi- Automatic Discrete	<u>0623004900</u>
Wire Terminator for SL - Rebuilt CE Approved*	
Hawk™ Flat Flex	<u>0623005200</u>
Cable Terminator for SL with Break-off	
Hawk™ Ribbon	<u>0623005300</u>
Cable Terminator with for SL Break-off	
IDT Discrete	<u>0621000700</u>
Handtool Module for SL™	
Hawk™ Semi- Automatic Discrete	<u>0623003100</u>
Wire Terminator for SL	

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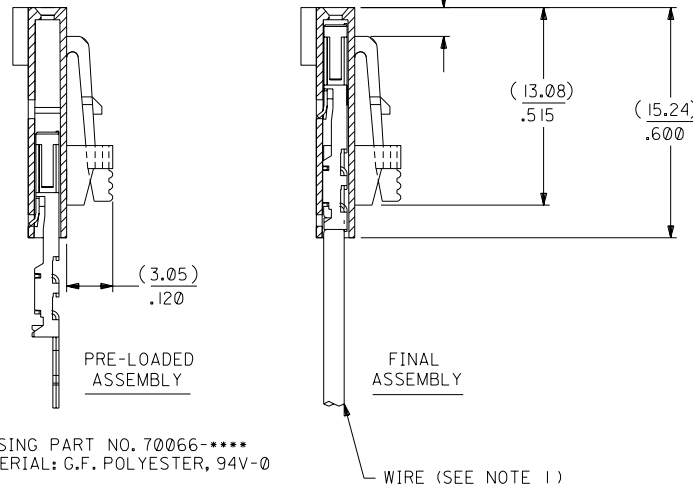
OPTION G

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-70400-0001 (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-70373-0001, A-70375-0001, A-70389-0001, A-70391-0001, A-70407-0001, A-70418-0001, A-70543-0001, A-70553-0001, A-70541-0001, A-70551-0001, A-70545-0001, A-70555-0001.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



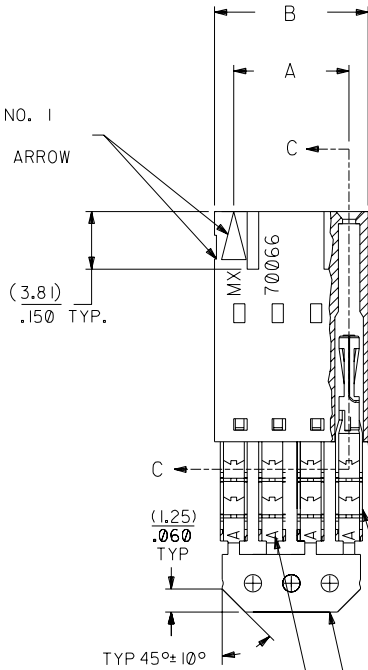
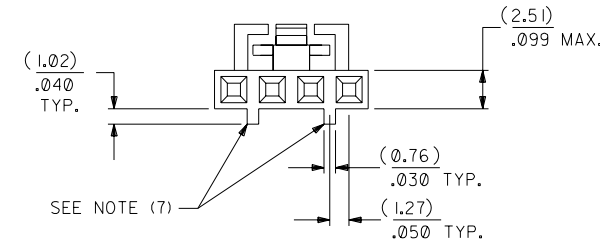
HOUSING PART NO. 70066-0001
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70028-0001
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-000

15 GOLD - .000015 MIN. GOLD IN SELECT AREA WITH .000075 MIN. TIN IN SELECT AREA OVER .000050 MIN. NICKEL OVER-ALL.

*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.

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
15 GOLD	YELLOW

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-2022	A-70400-0666
3	(5.08) .200	(7.59) .299	14-56-2032	A-70400-0667
4	(7.62) .300	(10.13) .399	14-56-2042	A-70400-0668
5	(10.16) .400	(12.67) .499	14-56-2052	A-70400-0669
6	(12.70) .500	(15.21) .599	14-56-2062	A-70400-0670
7	(15.24) .600	(17.75) .699	14-56-2072	A-70400-0671
8	(17.78) .700	(20.29) .799	14-56-2082	A-70400-0672
9	(20.32) .800	(22.83) .899	14-56-2092	A-70400-0673
10	(22.86) .900	(25.37) .999	14-56-2102	A-70400-0674
11	(25.54) 1.000	(27.91) 1.099	14-56-2112	A-70400-0675
12	(27.94) 1.100	(30.45) 1.199	14-56-2122	A-70400-0676
13	(30.48) 1.200	(32.99) 1.299	14-56-2132	A-70400-0677
14	(33.02) 1.300	(35.53) 1.399	14-56-2142	A-70400-0678
15	(35.56) 1.400	(38.07) 1.499	14-56-2152	A-70400-0679
16	(38.01) 1.500	(40.61) 1.599	14-56-2162	A-70400-0680
17	(40.64) 1.600	(43.15) 1.699	14-56-2172	A-70400-0681
18	(43.18) 1.700	(45.69) 1.799	14-56-2182	A-70400-0682
19	(45.72) 1.800	(48.23) 1.899	14-56-2192	A-70400-0683
20	(48.26) 1.900	(50.77) 1.999	14-56-2202	A-70400-0684
21	(50.80) 2.000	(53.31) 2.099	14-56-2212	A-70400-0685
22	(53.34) 2.100	(55.85) 2.199	14-56-2222	A-70400-0686
23	(55.88) 2.200	(58.39) 2.299	14-56-2232	A-70400-0687
24	(58.42) 2.300	(60.93) 2.399	14-56-2242	A-70400-0688
25	(60.96) 2.400	(63.47) 2.499	14-56-2252	A-70400-0689

ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCCRATH		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS	
REVISED PER ECR* U00049 9-26-90 MGB		INCH METRIC 3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		DATE	
REVISED PER ECN* U90726 7-10-89 MGB		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		10/09/84	
LEAD FREE UCP2004-1769 RWHITE 04/03/17		DRWG. BY WAZ CHK'D. BY WAZ APPR'D. BY SCALE 4:1		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.	
LTR. REVISIONS		LTR. REVISIONS		PART NO. SEE CHART FILE NAME S70400G4	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	

MFG. SH. REV.

REVISIONS

ASSEMBLY, SL CONNECTOR
(SINGLE ROW- (2.54)/.100 GRID)

MOLEX INCORPORATED
LITSE, ILL. 60532 U.S.A.

SDA-70400-0666-0689

DA C