

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014562182

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), 18 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

18

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

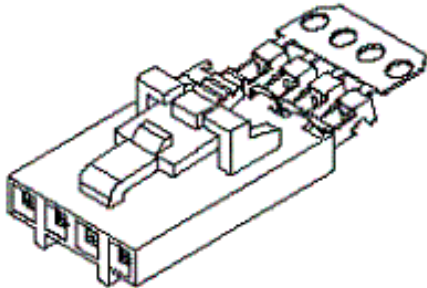


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not 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

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-	0011201337
Automatic Discrete	

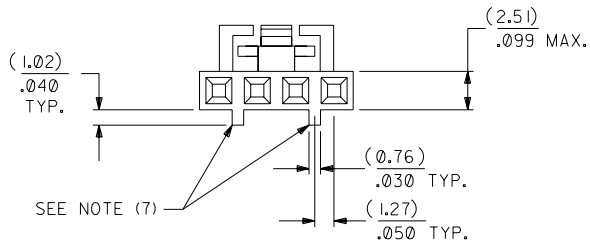
Material Info

Old Part Number	A-70400-0682
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	

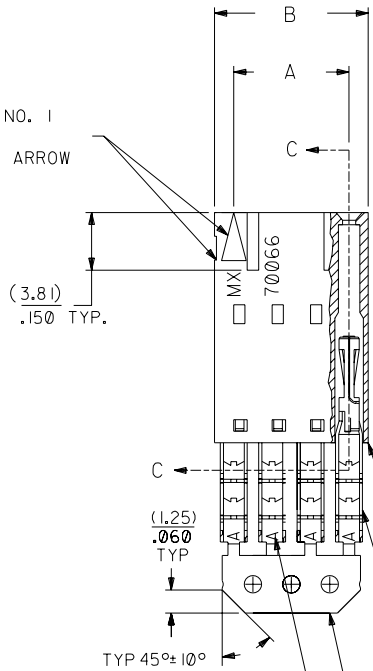
This document was generated on 05/21/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

OPTION G



CIRCUIT NO. 1

SLOT OR ARROW



I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
A	24 AWG.

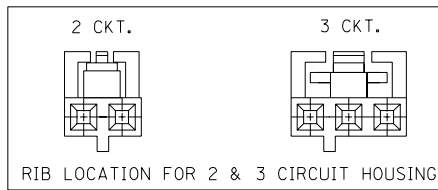
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
15 GOLD	YELLOW

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

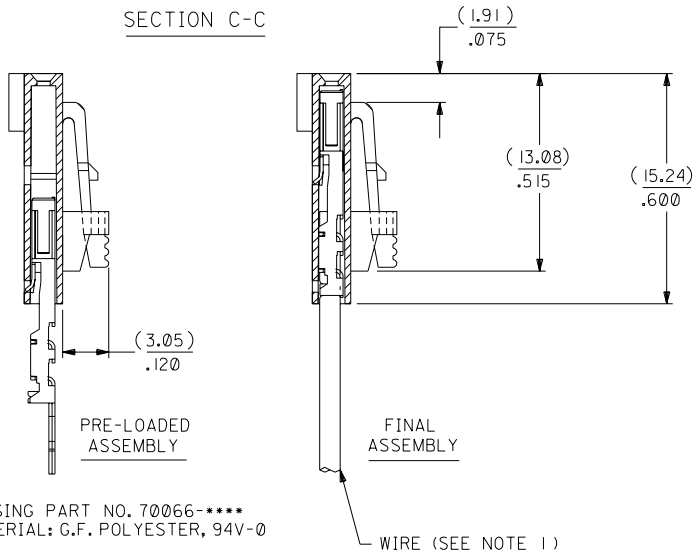
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

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-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE , REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END ON (.254)/.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-70373-****, A-70375-****, A-70389-****, A-70391-****, 70107-****, 70018-****, A-70543-****, A-70553-****, A-70541-****, A-70551-****, A-70545-****, A-70555-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



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

		G1		ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR = 1/2°		▽ = ▽ = REVISE ONLY ON CAD SYSTEM																	
		G		REVISED PER ECN# U000049 9-26-90 MGB		<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)X.100 GRID)	
INCH		METRIC																							
3 PLACE	± .010	---																							
2 PLACE	± .014	± 0.25																							
1 PLACE	---	± 0.35																							
H		F		REVISED PER ECN# U90726 7-10-89 MGB		DRAW WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED 155 LILL, IL 60832 U.S.A.																	
LEAD FREE UCP2004-1769 RWHITE 04/03/17						SHEET NO. DATE 10/09/84		PART NO. DRWG. NO.																	
						SEE CHART SDA-70400-0666-0689		FILE NAME S70400GX4																	
LTR. REVISIONS		LTR. REVISIONS		APP'D. BY: WAZ SCALE: 4 : 1		CHK'D. BY: WAZ SCALE: 4 : 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
DIV. DA		DIV. DA		DIV. DA		DIV. DA		DIV. DA																	