

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014562021

Status:

Active

Overview:

cgrid_sl_products

Description:

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

Documents:

3D Model

Drawing (PDF)

Product Specification PS-46543-001 (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

Overview

cgrid_sl_products

Product Name

SL™

Physical

Circuits (Loaded)

2

Color - Resin

Black

Durability (mating cycles max)

50

Entry Angle

Vertical

Flammability

94V-0

Lock to Mating Part

None

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

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)

15

Plating min: Mating (µm)

0.375

Plating min: Termination (µin)

75

Plating min: Termination (µm)

1.875

Polarized to Mating Part

No

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

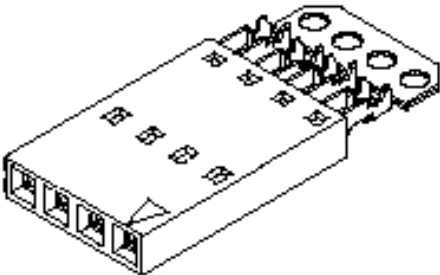


image - Reference only

Series

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
Single Row headers and housings, [8624](#) , [70203](#) , [42375](#) , [42377](#)

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 704000526

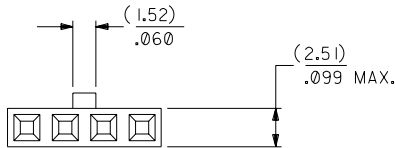
Reference - Drawing Numbers

Product Specification PS-46543-001, PS-70400
Sales Drawing DSD70400-DGN, SD-70400-010,
SDA-70400-0526-0549

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

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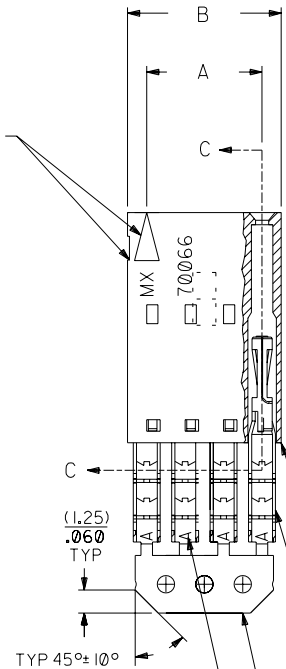
OPTION E



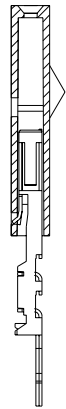
NOTES:

- 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.
- 8) TO MATE WITH MOLEX PART NO'S.: A-70390-****, A-70392-****, A-70374-****, A-70376-****, A-70542-****, A-70552-****, A-70544-****, A-70554-****, A-70546-****, A-70556-****, A-70558-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.

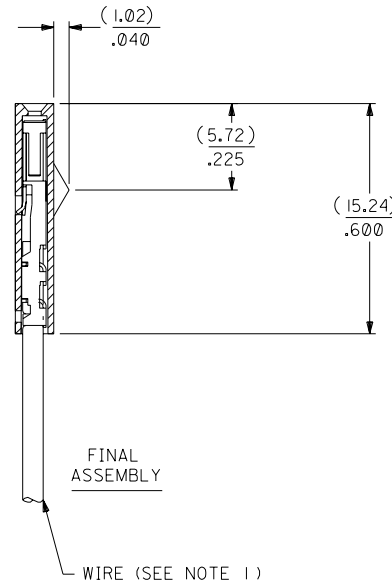
CIRCUIT NO. 1
SLOT OR ARROW



SECTION C-C



PRE-LOADED
ASSEMBLY



FINAL
ASSEMBLY

WIRE (SEE NOTE 1)

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.

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

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199		
3	(5.08) .200	(7.59) .299		
4	(7.62) .300	(10.13) .399		
5	(10.16) .400	(12.67) .499		
6	(12.70) .500	(15.21) .599		
7	(15.24) .600	(17.75) .699		
8	(17.78) .700	(20.29) .799		
9	(20.32) .800	(22.83) .899		
10	(22.86) .900	(25.37) .999		
11	(25.54) 1.000	(27.91) 1.099		
12	(27.94) 1.100	(30.45) 1.199		
13	(30.48) 1.200	(32.99) 1.299		
14	(33.02) 1.300	(35.53) 1.399		
15	(35.56) 1.400	(38.07) 1.499		
16	(38.01) 1.500	(40.61) 1.599		
17	(40.64) 1.600	(43.15) 1.699		
18	(43.18) 1.700	(45.69) 1.799		
19	(45.72) 1.800	(48.23) 1.899		
20	(48.26) 1.900	(50.77) 1.999		
21	(50.80) 2.000	(53.31) 2.099		
22	(53.34) 2.100	(55.85) 2.199		
23	(55.88) 2.200	(58.39) 2.299		
24	(58.42) 2.300	(60.93) 2.399		
25	(60.96) 2.400	(63.47) 2.499		

*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.

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25 INCH METRIC			
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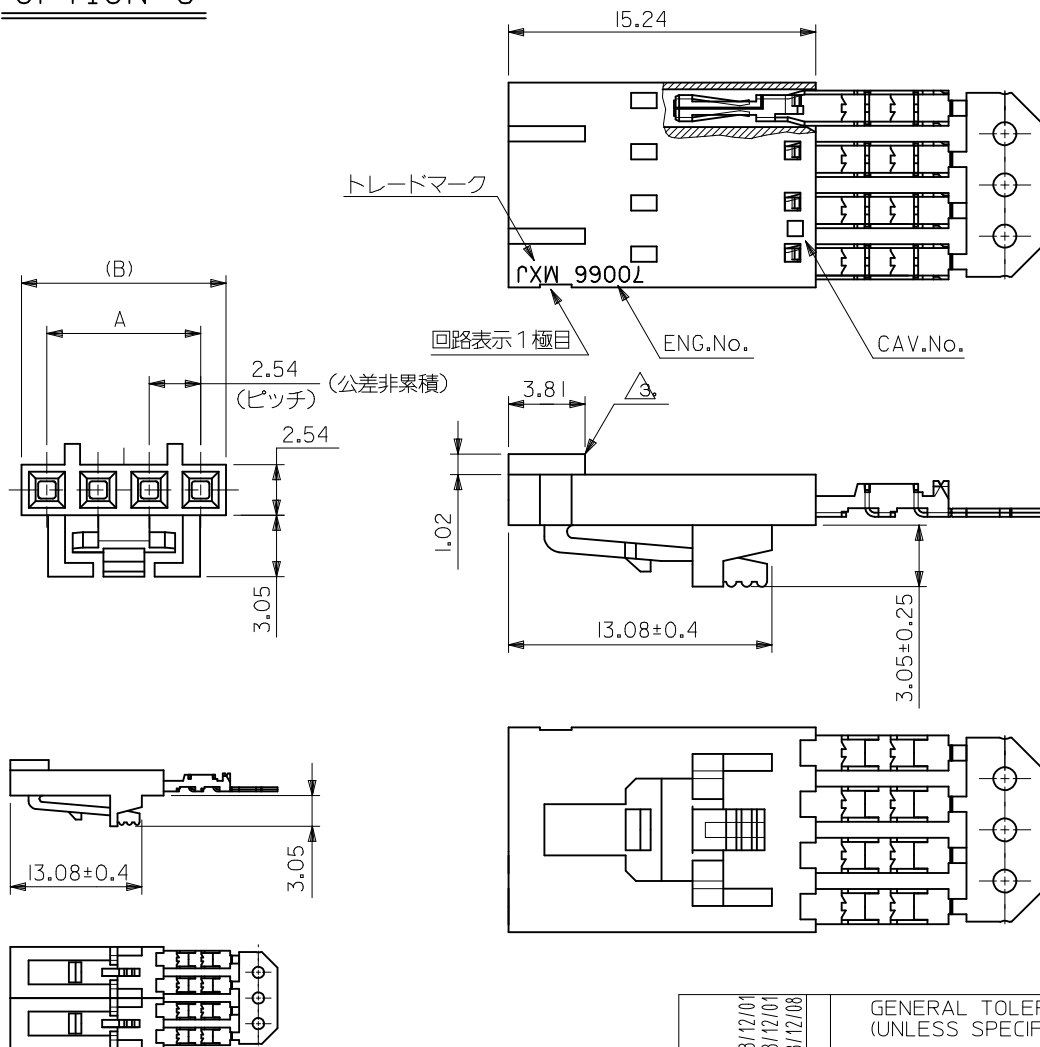
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2

1

OPTION G



2極の場合

(SCALE:2-1)

注記:

1. 材料
ハウジング：ガラス入りポリアエステル UL 94V-0
ターミナル：燐青銅
2. 仕上げ
接点部：金メッキ 0.38 μm MIN.
圧接部：錫メッキ 1.91 μm MIN.
下地メッキ：ニッケルメッキ 1.27 μm MIN.
3. 極性リブは、2極及び3極の場合1箇所のみとする。
但し3極の場合のリブは、1極目と2極目の間とする。
4. 適合オスコネクター：70107-****, 70018-****
5. 適合ヘッダー：70389-****, 70391-****
6. ハウジングの色：黒

60.96	58.42	70400-0688	24
58.42	55.88	70400-0687	23
48.26	45.72	70400-0683	19
40.64	38.10	70400-0680	16
38.10	35.56	70400-0679	15
35.56	33.02	70400-0678	14
33.02	30.48	70400-0677	13
27.94	25.40	70400-0675	11
25.40	22.86	70400-0674	10
22.86	20.32	70400-0673	9
(B)	A	MATERIAL No.	極数

REVISED EC NO: J2009-0453 DRWN:YOSHIDA 2008/12/01 CHKD:THARUYAMA 2008/12/01 APPR:NUKITA 2008/12/08	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY T.FURUHATA	DATE '87/11/17	TITLE 2.54 SINGLE ROW ASSY FEMALE I.D.CONN OPTION G -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY M.SASAO	DATE				
		30 OVER	± 0.3	APPROVED BY S.YAMADA	DATE	MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-70400-010		1 OF 1		
	REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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