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Part Number:

0014563115

Status:

Active

Overview:

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Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 24, 0.38µm (15µ") Gold (Au), 11 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

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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

11

Black

50

Vertical

94V-0

None

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

Material Info

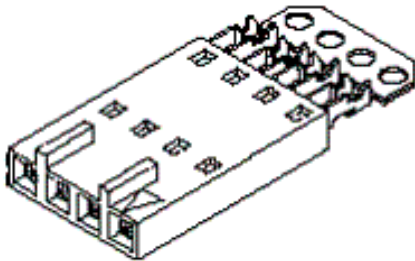


image - Reference only

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](mailto: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-70400-0561-0584

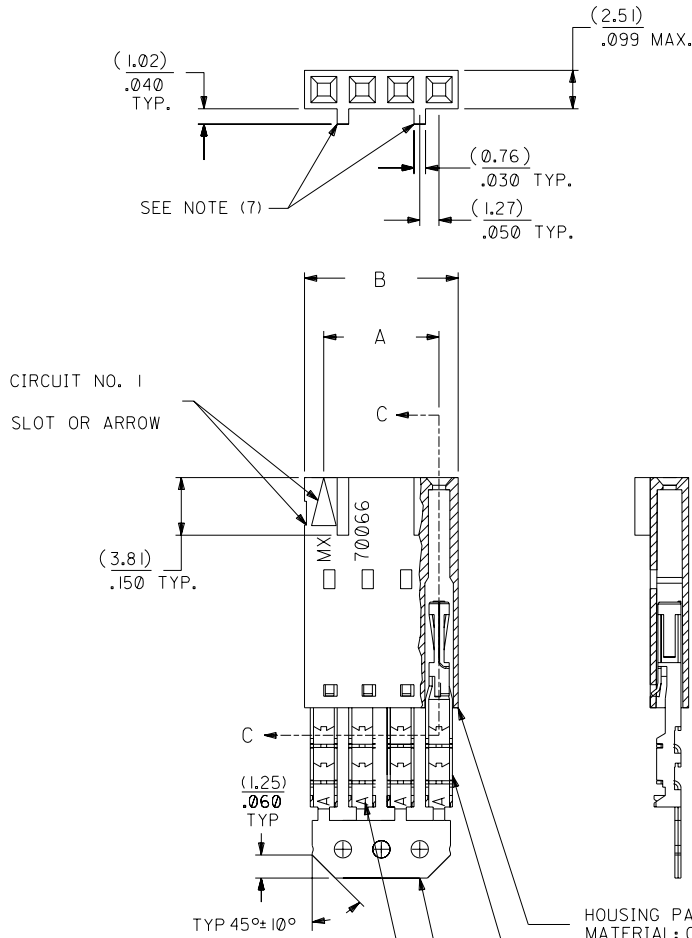
|                                                                             |                   |
|-----------------------------------------------------------------------------|-------------------|
| Hawk™ Ribbon Cable Terminator for SL without Break-off                      | <u>0623003000</u> |
| Hawk™ Semi-Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved* | <u>0623004900</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> |
| IDT Discrete Handtool Module for SL™                                        | <u>0621000700</u> |
| Hawk™ Semi-Automatic Discrete Wire Terminator for SL                        | <u>0623003100</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.    |

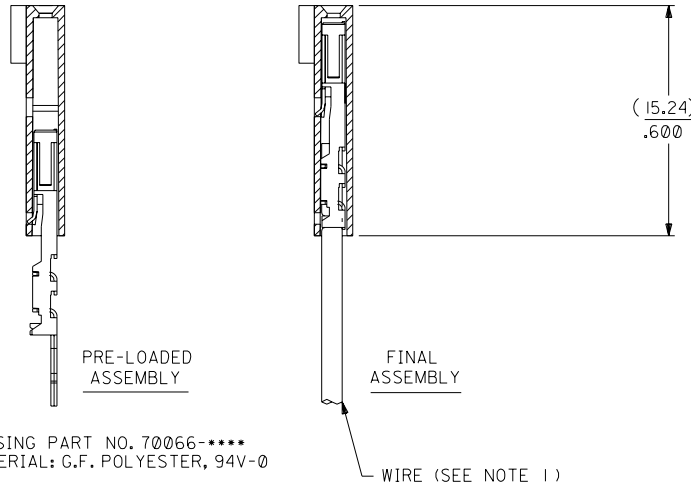
| PLATING CODE (STRIPE ON CARRIER STRIP) |        |
|----------------------------------------|--------|
| PLATING                                | COLOR  |
| 15 GOLD                                | YELLOW |

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.



## SECTION C-C



| CKT. SIZE | A                  | B                  | EDP. NO.   | ENG. NO.     |
|-----------|--------------------|--------------------|------------|--------------|
| 2         | ( 2.54 )<br>.100   | ( 5.05 )<br>.199   | 14-56-3025 | A-70400-0561 |
| 3         | ( 5.08 )<br>.200   | ( 7.59 )<br>.299   | 14-56-3035 | A-70400-0562 |
| 4         | ( 7.62 )<br>.300   | ( 10.13 )<br>.399  | 14-56-3045 | A-70400-0563 |
| 5         | ( 10.16 )<br>.400  | ( 12.67 )<br>.499  | 14-56-3055 | A-70400-0564 |
| 6         | ( 12.70 )<br>.500  | ( 15.21 )<br>.599  | 14-56-3065 | A-70400-0565 |
| 7         | ( 15.24 )<br>.600  | ( 17.75 )<br>.699  | 14-56-3075 | A-70400-0566 |
| 8         | ( 17.78 )<br>.700  | ( 20.29 )<br>.799  | 14-56-3085 | A-70400-0567 |
| 9         | ( 20.32 )<br>.800  | ( 22.83 )<br>.899  | 14-56-3095 | A-70400-0568 |
| 10        | ( 22.86 )<br>.900  | ( 25.37 )<br>.999  | 14-56-3105 | A-70400-0569 |
| 11        | ( 25.54 )<br>1.000 | ( 27.91 )<br>1.099 | 14-56-3115 | A-70400-0570 |
| 12        | ( 27.94 )<br>1.100 | ( 30.45 )<br>1.199 | 14-56-3125 | A-70400-0571 |
| 13        | ( 30.48 )<br>1.200 | ( 32.99 )<br>1.299 | 14-56-3135 | A-70400-0572 |
| 14        | ( 33.02 )<br>1.300 | ( 35.53 )<br>1.399 | 14-56-3145 | A-70400-0573 |
| 15        | ( 35.56 )<br>1.400 | ( 38.07 )<br>1.499 | 14-56-3155 | A-70400-0574 |
| 16        | ( 38.01 )<br>1.500 | ( 40.61 )<br>1.599 | 14-56-3165 | A-70400-0575 |
| 17        | ( 40.64 )<br>1.600 | ( 43.15 )<br>1.699 | 14-56-3175 | A-70400-0576 |
| 18        | ( 43.18 )<br>1.700 | ( 45.69 )<br>1.799 | 14-56-3185 | A-70400-0577 |
| 19        | ( 45.72 )<br>1.800 | ( 48.23 )<br>1.899 | 14-56-3195 | A-70400-0578 |
| 20        | ( 48.26 )<br>1.900 | ( 50.77 )<br>1.999 | 14-56-3205 | A-70400-0579 |
| 21        | ( 50.80 )<br>2.000 | ( 53.31 )<br>2.099 | 14-56-3215 | A-70400-0580 |
| 22        | ( 53.34 )<br>2.100 | ( 55.85 )<br>2.199 | 14-56-3225 | A-70400-0581 |
| 23        | ( 55.88 )<br>2.200 | ( 58.39 )<br>2.299 | 14-56-3235 | A-70400-0582 |
| 24        | ( 58.42 )<br>2.300 | ( 60.93 )<br>2.399 | 14-56-3245 | A-70400-0583 |
| 25        | ( 60.96 )<br>2.400 | ( 63.47 )<br>2.499 | 14-56-3255 | A-70400-0584 |

|                                                             |  |           |  |                                               |  |                                                          |  |                       |  |                                                                                                                           |  |
|-------------------------------------------------------------|--|-----------|--|-----------------------------------------------|--|----------------------------------------------------------|--|-----------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|
|                                                             |  | E         |  | REVISED PER<br>ECR NO. U82110<br>10-17-88 BJS |  | DIMENSIONS SHOWN (METRIC) INCH                           |  | ▽ = ▽ =               |  | REVISE ONLY ON CAD SYSTEM                                                                                                 |  |
| F                                                           |  | D         |  | REVISE PER<br>ECR *U80110<br>2/3/88 MJM       |  | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 1/2° |  | TITLE                 |  | ASSEMBLY, SL CONNECTOR<br>(SINGLE ROW- (2.54)/.100 GRID)                                                                  |  |
| LEAD FREE<br>UCP2004-1769<br>RWHITE 04/03/17                |  |           |  |                                               |  | INCH METRIC                                              |  | 3 PLACE ± .010 ---    |  |                                                                                                                           |  |
|                                                             |  |           |  |                                               |  |                                                          |  | 2 PLACE ± .014 ± 0.25 |  |                                                                                                                           |  |
|                                                             |  |           |  |                                               |  |                                                          |  | 1 PLACE --- ± 0.35    |  |                                                                                                                           |  |
| ADD CARRIER CHAMF<br>ECN *UDT1998-0280<br>05/20/98 LMCCRATH |  | C         |  | REDRAWN ON CAD<br>ECR* 8842<br>5/8/86 W.Z.    |  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS  |  | MOLEX INCORPORATED    |  | SHEET NO. DATE<br>10/09/84                                                                                                |  |
|                                                             |  |           |  |                                               |  |                                                          |  | LISELL 68532 U.S.A.   |  |                                                                                                                           |  |
| E1                                                          |  |           |  |                                               |  |                                                          |  | PART NO. SEE CHART    |  | SDA-70400-0561-0584                                                                                                       |  |
| LTR.                                                        |  | REVISIONS |  | LTR.                                          |  | REVISIONS                                                |  | FILE NAME<br>570400C4 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |
|                                                             |  |           |  |                                               |  |                                                          |  | DRWG. BY WAZ          |  | CHK'D. BY WAZ                                                                                                             |  |
|                                                             |  |           |  |                                               |  |                                                          |  | APP'D. BY             |  | SCALE 4:1                                                                                                                 |  |
|                                                             |  |           |  |                                               |  |                                                          |  |                       |  | DIV. C SIZE                                                                                                               |  |