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Part Number: 0014563215
Status: Active
Overview: cgrid_sl_products
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), 21 Circuits

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
Overview cgrid_sl_products
Product Name SL™

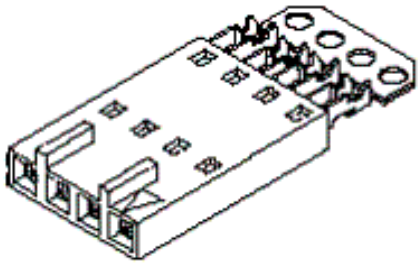
Physical

Circuits (Loaded) 21
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 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



Series

image - Reference only

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

Hawk Semi-
Automatic Discrete
Wire Terminator for
SL - Rebuilt US*

Product #

0011201337

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-0561-0584

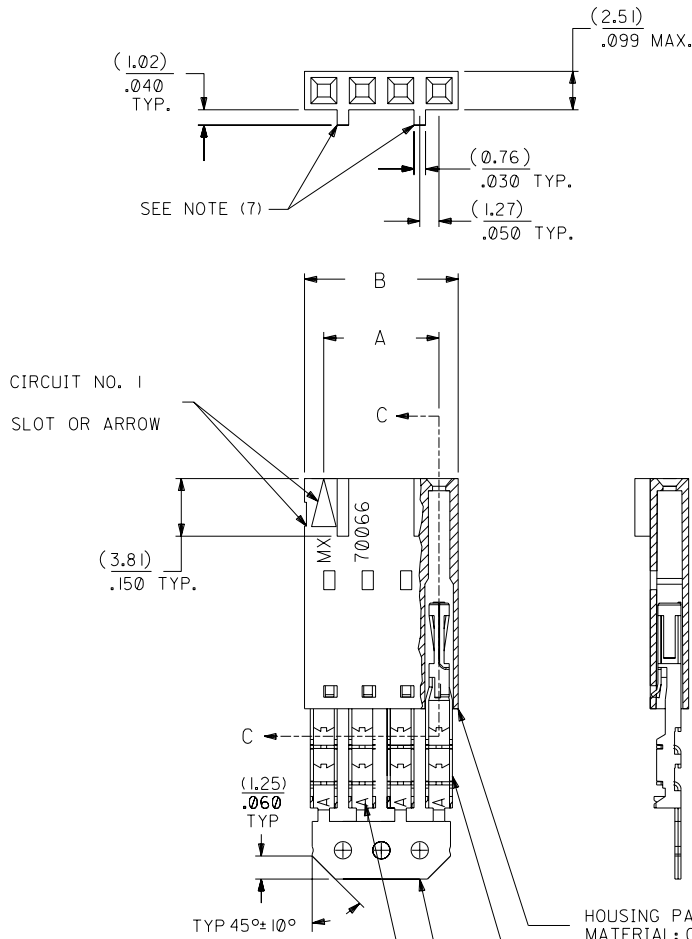
Hawk™ Ribbon Cable Terminator for SL without Break-off	<u>0623003000</u>
Hawk™ Semi-Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved*	<u>0623004900</u>
Hawk™ Flat Flex Cable Terminator for SL with Break-off	<u>0623005200</u>
Hawk™ Ribbon Cable Terminator with for SL Break-off	<u>0623005300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

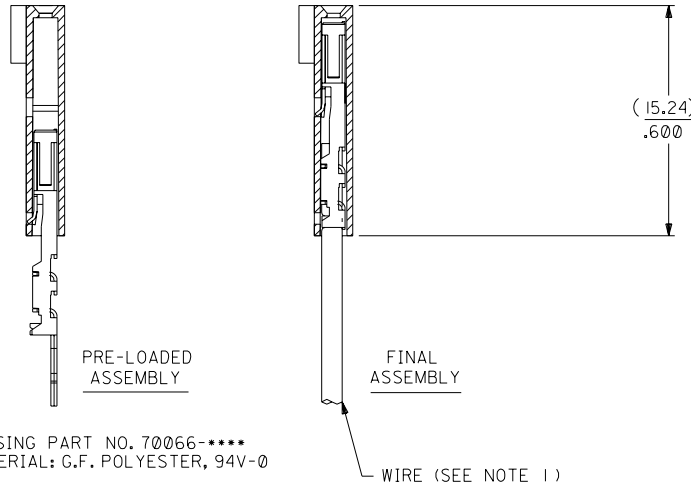
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
15 GOLD	YELLOW

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) .100	(5.05) .199	14-56-3025	A-70400-0561
3	(5.08) .200	(7.59) .299	14-56-3035	A-70400-0562
4	(7.62) .300	(10.13) .399	14-56-3045	A-70400-0563
5	(10.16) .400	(12.67) .499	14-56-3055	A-70400-0564
6	(12.70) .500	(15.21) .599	14-56-3065	A-70400-0565
7	(15.24) .600	(17.75) .699	14-56-3075	A-70400-0566
8	(17.78) .700	(20.29) .799	14-56-3085	A-70400-0567
9	(20.32) .800	(22.83) .899	14-56-3095	A-70400-0568
10	(22.86) .900	(25.37) .999	14-56-3105	A-70400-0569
11	(25.54) 1.000	(27.91) 1.099	14-56-3115	A-70400-0570
12	(27.94) 1.100	(30.45) 1.199	14-56-3125	A-70400-0571
13	(30.48) 1.200	(32.99) 1.299	14-56-3135	A-70400-0572
14	(33.02) 1.300	(35.53) 1.399	14-56-3145	A-70400-0573
15	(35.56) 1.400	(38.07) 1.499	14-56-3155	A-70400-0574
16	(38.01) 1.500	(40.61) 1.599	14-56-3165	A-70400-0575
17	(40.64) 1.600	(43.15) 1.699	14-56-3175	A-70400-0576
18	(43.18) 1.700	(45.69) 1.799	14-56-3185	A-70400-0577
19	(45.72) 1.800	(48.23) 1.899	14-56-3195	A-70400-0578
20	(48.26) 1.900	(50.77) 1.999	14-56-3205	A-70400-0579
21	(50.80) 2.000	(53.31) 2.099	14-56-3215	A-70400-0580
22	(53.34) 2.100	(55.85) 2.199	14-56-3225	A-70400-0581
23	(55.88) 2.200	(58.39) 2.299	14-56-3235	A-70400-0582
24	(58.42) 2.300	(60.93) 2.399	14-56-3245	A-70400-0583
25	(60.96) 2.400	(63.47) 2.499	14-56-3255	A-70400-0584

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	± .010	INCH	METRIC
2 PLACE	± .014	± 0.25	---
1 PLACE	---	± 0.35	---
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY	WAZ	CHK'D. BY	WAZ
APP'D. BY	SCALE	4:1	
REVISIONS		REVISIONS	
LTR.		LTR.	

REVISED PER ECR NO. U82110 10-17-88 BJS	REVISED PER ECR #U80110 2/3/88 MJM	REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.
LEAD FREE UCP2004-1769 RWHITE 04/03/17	ADD CARRIER CHAMF ECR #UDT1998-0280 05/20/98 LMCCRATH	

MOLEX INCORPORATED	SHEET NO. 60532	DATE 10/09/84
FILE NAME S70400CK4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DEV. DA