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Part Number: [0014567116](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 22, 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 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™

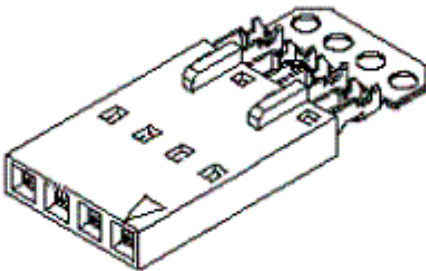
Physical

Circuits (Loaded) 11
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 22
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
[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

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	

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-3245-3268

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 D

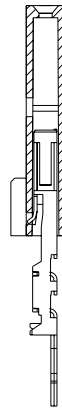
NOTES:

- 1) TO BE USED WITH (22) 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. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70004-****, 70013-****

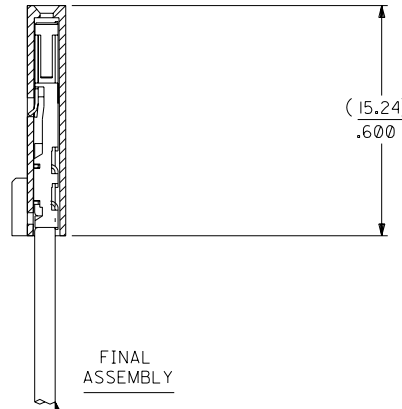
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY



FINAL ASSEMBLY

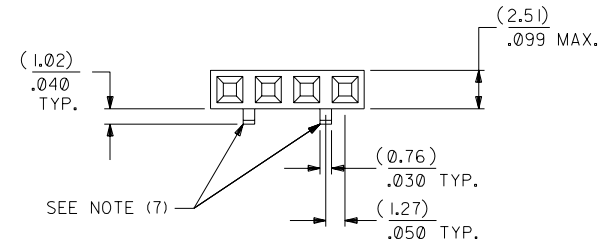
HOUSING PART NO. 70066-****
MATERIAL: G.F. POLYESTER, 94V-0

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

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



(3.81) .150 TYP.

(1.25) .060 TYP.

TYP 45° ± 10°

I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
D	22 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	14-56-7026	A-70400-3245
3	(5.08) .200	(7.59) .299	14-56-7036	A-70400-3246
4	(7.62) .300	(10.13) .399	14-56-7046	A-70400-3247
5	(10.16) .400	(12.67) .499	14-56-7056	A-70400-3248
6	(12.70) .500	(15.21) .599	14-56-7066	A-70400-3249
7	(15.24) .600	(17.75) .699	14-56-7076	A-70400-3250
8	(17.78) .700	(20.29) .799	14-56-7086	A-70400-3251
9	(20.32) .800	(22.83) .899	14-56-7096	A-70400-3252
10	(22.86) .900	(25.37) .999	14-56-7106	A-70400-3253
11	(25.54) 1.000	(27.91) 1.099	14-56-7116	A-70400-3254
12	(27.94) 1.100	(30.45) 1.199	14-56-7126	A-70400-3255
13	(30.48) 1.200	(32.99) 1.299	14-56-7136	A-70400-3256
14	(33.02) 1.300	(35.53) 1.399	14-56-7146	A-70400-3257
15	(35.56) 1.400	(38.07) 1.499	14-56-7156	A-70400-3258
16	(38.01) 1.500	(40.61) 1.599	14-56-7166	A-70400-3259
17	(40.64) 1.600	(43.15) 1.699	14-56-7176	A-70400-3260
18	(43.18) 1.700	(45.69) 1.799	14-56-7186	A-70400-3261
19	(45.72) 1.800	(48.23) 1.899	14-56-7196	A-70400-3262
20	(48.26) 1.900	(50.77) 1.999	14-56-7206	A-70400-3263
21	(50.80) 2.000	(53.31) 2.099	14-56-7216	A-70400-3264
22	(53.34) 2.100	(55.85) 2.199	14-56-7226	A-70400-3265
23	(55.88) 2.200	(58.39) 2.299	14-56-7236	A-70400-3266
24	(58.42) 2.300	(60.93) 2.399	14-56-7246	A-70400-3267
25	(60.96) 2.400	(63.47) 2.499	14-56-7256	A-70400-3268

DIMENSIONS SHOWN (METRIC) INCH			UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
			INCH	METRIC
3 PLACE	± .010	---	---	---
2 PLACE	± .014	± 0.25	---	---
1 PLACE	---	± 0.35	---	---
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWG. BY: AAB CHK'D. BY: WAZ	
			SCALE: 4:1	
LTR. REVISIONS			LTR. REVISIONS	
D	LEAD FREE UCP2004-1769 RWHITE 04/03/22	B	REVISE PER ECR #U80110 2/3/88 MJM	
CI	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH	A	RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB	
			REVISED PER ECR NO. U82110 10-17-88 AAB	

REVISIONS		REVISIONS	
1	ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	2	ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)
3	ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	4	ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)
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