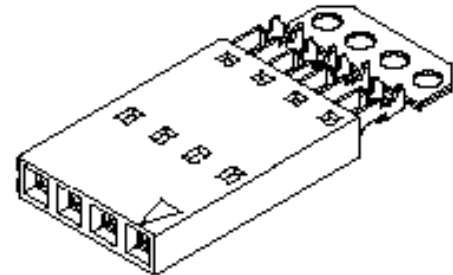


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0014562259
Status: Active
Overview: cgrid_sl_products
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 26, 0.76µm (30µ") Gold (Au), 25 Circuits



Series

image - Reference only

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) 25
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) 30
Plating min: Mating (µm) 0.75
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 26
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact 3A
Voltage - Maximum 250V

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-Automatic Discrete	0011201337

Material Info

Reference - Drawing Numbers

Product Specification

PS-70400

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

OPTION A

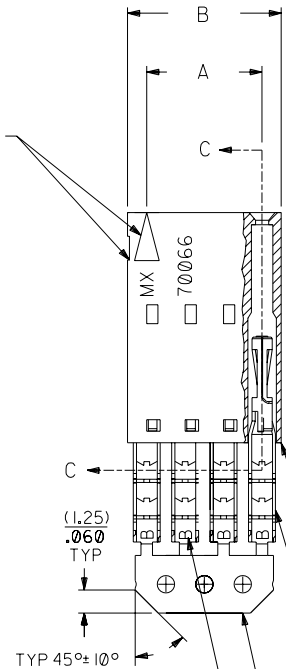


NOTES:

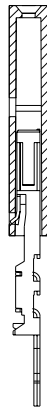
- 1) TO BE USED WITH (26) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTERS.
- 5) REFER 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 (2.54)/.100 CENTERLINE HEADERS.

9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.

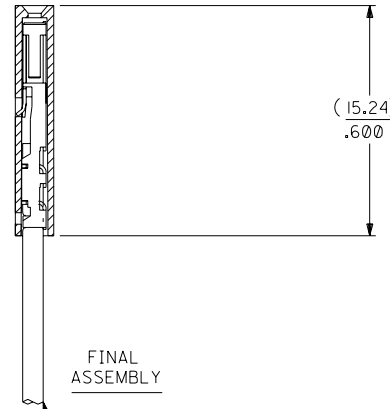
CIRCUIT NO. 1
SLOT OR ARROW



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-***

30 GOLD - .000030 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.

I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
B	26 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
30 GOLD	RED

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-2029	A-70400-1226
3	(5.08) .200	(7.59) .299	14-56-2039	A-70400-1227
4	(7.62) .300	(10.13) .399	14-56-2049	A-70400-1228
5	(10.16) .400	(12.67) .499	14-56-2059	A-70400-1229
6	(12.70) .500	(15.21) .599	14-56-2069	A-70400-1230
7	(15.24) .600	(17.75) .699	14-56-2079	A-70400-1231
8	(17.78) .700	(20.29) .799	14-56-2089	A-70400-1232
9	(20.32) .800	(22.83) .899	14-56-2099	A-70400-1233
10	(22.86) .900	(25.37) .999	14-56-2109	A-70400-1234
11	(25.54) 1.000	(27.91) 1.099	14-56-2119	A-70400-1235
12	(27.94) 1.100	(30.45) 1.199	14-56-2129	A-70400-1236
13	(30.48) 1.200	(32.99) 1.299	14-56-2139	A-70400-1237
14	(33.02) 1.300	(35.53) 1.399	14-56-2149	A-70400-1238
15	(35.56) 1.400	(38.07) 1.499	14-56-2159	A-70400-1239
16	(38.01) 1.500	(40.61) 1.599	14-56-2169	A-70400-1240
17	(40.64) 1.600	(43.15) 1.699	14-56-2179	A-70400-1241
18	(43.18) 1.700	(45.69) 1.799	14-56-2189	A-70400-1242
19	(45.72) 1.800	(48.23) 1.899	14-56-2199	A-70400-1243
20	(48.26) 1.900	(50.77) 1.999	14-56-2209	A-70400-1244
21	(50.80) 2.000	(53.31) 2.099	14-56-2219	A-70400-1245
22	(53.34) 2.100	(55.85) 2.199	14-56-2229	A-70400-1246
23	(55.88) 2.200	(58.39) 2.299	14-56-2239	A-70400-1247
24	(58.42) 2.300	(60.93) 2.399	14-56-2249	A-70400-1248
25	(60.96) 2.400	(63.47) 2.499	14-56-2259	A-70400-1249

F			E			REVISED PER ECR NO. U82110 10-17-88 AAB			DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°			▽ = ▽ = REVISE ONLY ON CAD SYSTEM		
F			D			REVISE PER ECR #U80110 2/3/88 MJM			INCH METRIC			TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)		
E1			C			REDRAWN ON CAD ECR# 8842 5/7/86 W.Z.			3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35			MOLEX INCORPORATED SHEET NO. DATE 10/10/84		
LTR.			LTR.			REVISIONS			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			PART NO. SEE CHART SDA-70400-1226-1249		
LTR.			LTR.			REVISIONS			DRWG. BY WAZ CHK'D BY WAZ			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		
LTR.			LTR.			REVISIONS			APP'D BY WAZ SCALE 4:1			FILE NAME S70400AXB		