

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0014442510](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Male, Single Row, Version D, Back Ribs, for Wire Size 24, 0.76µm (30µ") Gold (Au), 10 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 [70475](#)
Comments Terminals Preloaded
Component Type Housing
Glow-Wire Compliant No
Overview [cgrid_sl_products](#)
Product Name SL™

Physical

Circuits (Loaded) 10
Durability (mating cycles max) 50
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part None
Number of Rows 1
PCB Retention None
Packaging Type Tube
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Polarized to Mating Part No
Stackable Yes
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -40°C to +105°C
Wire Insulation Diameter 1.35mm (.053") max.
Wire Size AWG 24
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

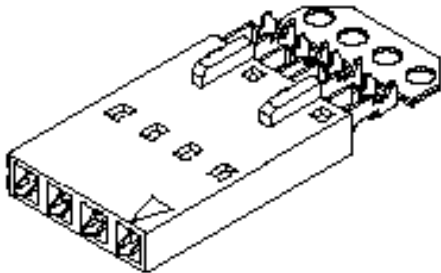
Current - Maximum per Contact 3A
Voltage - Maximum 250V

Material Info

Old Part Number 70475-1129

Reference - Drawing Numbers

Product Specification PS-70400



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
[70475Series](#)

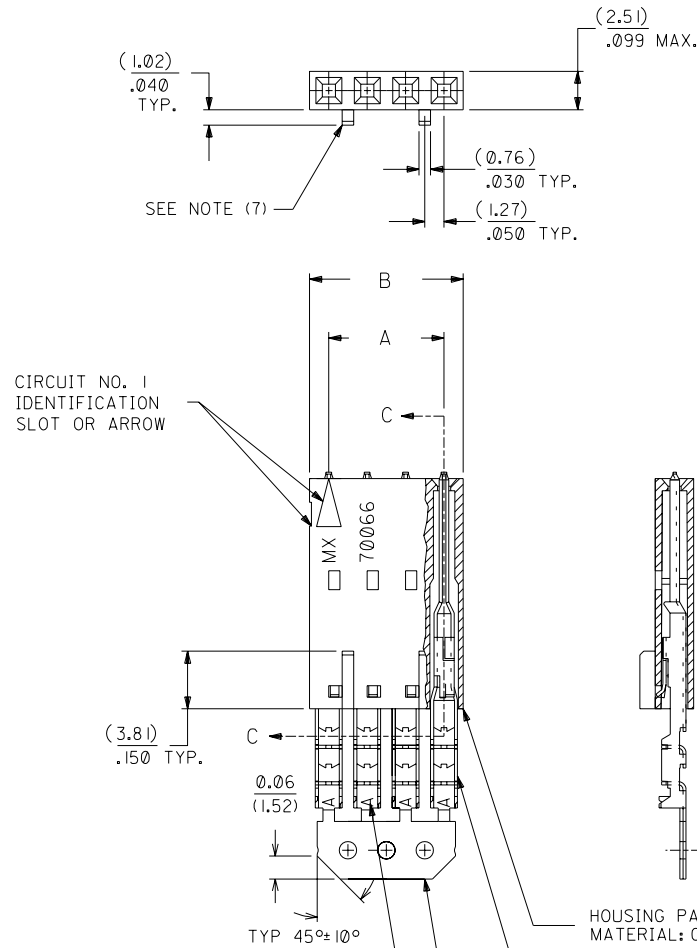
Mates With
[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

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

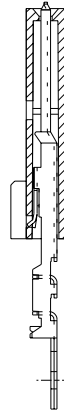
OPTION D

NOTES:

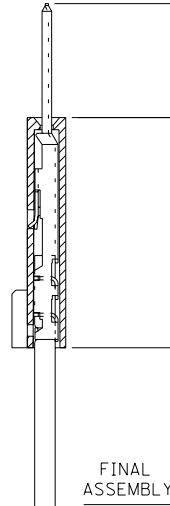
- 1) TO BE USED WITH (24) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70475.
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: PS-70475.
- 6) SEE DWG. SDA-70475-***** (SHT.3) FOR OPTIONAL HOUSING DETAILS.
- 7) 4 CIRCUIT SHOWN. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70018-****, 70022-****, 70104-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



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. 70110-****
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-***

30 GOLD - .000030 MINIMUM GOLD IN SELECT AREA WITH
.000075 MINIMUM TIN
IN SELECT AREA OVER .000050 MINIMUM 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
A	24 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	14-44-2502	A-70475-1121
3	(5.08) .200	(7.59) .299	14-44-2503	A-70475-1122
4	(7.62) .300	(10.13) .399	14-44-2504	A-70475-1123
5	(10.16) .400	(12.67) .499	14-44-2505	A-70475-1124
6	(12.70) .500	(15.21) .599	14-44-2506	A-70475-1125
7	(15.24) .600	(17.75) .699	14-44-2507	A-70475-1126
8	(17.78) .700	(20.29) .799	14-44-2508	A-70475-1127
9	(20.32) .800	(22.83) .899	14-44-2509	A-70475-1128
10	(22.86) .900	(25.37) .999	14-44-2510	A-70475-1129
11	(25.54) 1.000	(27.91) 1.099	14-44-2511	A-70475-1130
12	(27.94) 1.100	(30.45) 1.199	14-44-2512	A-70475-1131
13	(30.48) 1.200	(32.99) 1.299	14-44-2513	A-70475-1132
14	(33.02) 1.300	(35.53) 1.399	14-44-2514	A-70475-1133
15	(35.56) 1.400	(38.07) 1.499	14-44-2515	A-70475-1134
16	(38.01) 1.500	(40.61) 1.599	14-44-2516	A-70475-1135
17	(40.64) 1.600	(43.15) 1.699	14-44-2517	A-70475-1136
18	(43.18) 1.700	(45.69) 1.799	14-44-2518	A-70475-1137
19	(45.72) 1.800	(48.23) 1.899	14-44-2519	A-70475-1138
20	(48.26) 1.900	(50.77) 1.999	14-44-2520	A-70475-1139
21	(50.80) 2.000	(53.31) 2.099	14-44-2521	A-70475-1140
22	(53.34) 2.100	(55.85) 2.199	14-44-2522	A-70475-1141
23	(55.88) 2.200	(58.39) 2.299	14-44-2523	A-70475-1142
24	(58.42) 2.300	(60.93) 2.399	14-44-2524	A-70475-1143
25	(60.96) 2.400	(63.47) 2.499	14-44-2525	A-70475-1144

D			REVISED PER ECR NO. U82124 10-17-88 MGB	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = ▽ = REVISE ONLY ON CAD SYSTEM	
E	LEAD FREE UCP2004-1769 RWHITE 04/03/24	C	REVISE PER ECR #U81370 5/20/88 MJM	INCH METRIC		TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
3 PLACE ± .010		2 PLACE ± .014 ± 0.25		1 PLACE --- ± 0.35		MOLEX INCORPORATED SHEET NO. DATE 10/13/84	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWG. NO. SDA-70475-1121-1144		PART NO. SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
DRWG. BY WAZ		CHKD. BY WAZ		APPRD. BY RL		SCALE 4 : 1	
LTR. REVISIONS		LTR. REVISIONS					