

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0014444920](#)
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 28, 0.76µm (30µ") Gold (Au), 20 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) 20
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 28
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

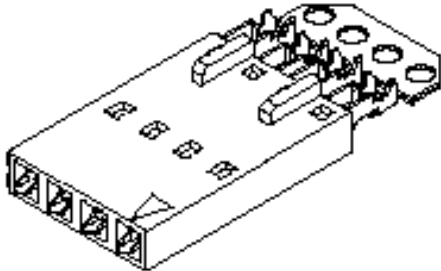
Current - Maximum per Contact 1.2A
Voltage - Maximum 250V

Material Info

Old Part Number 70475-1489

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](#)

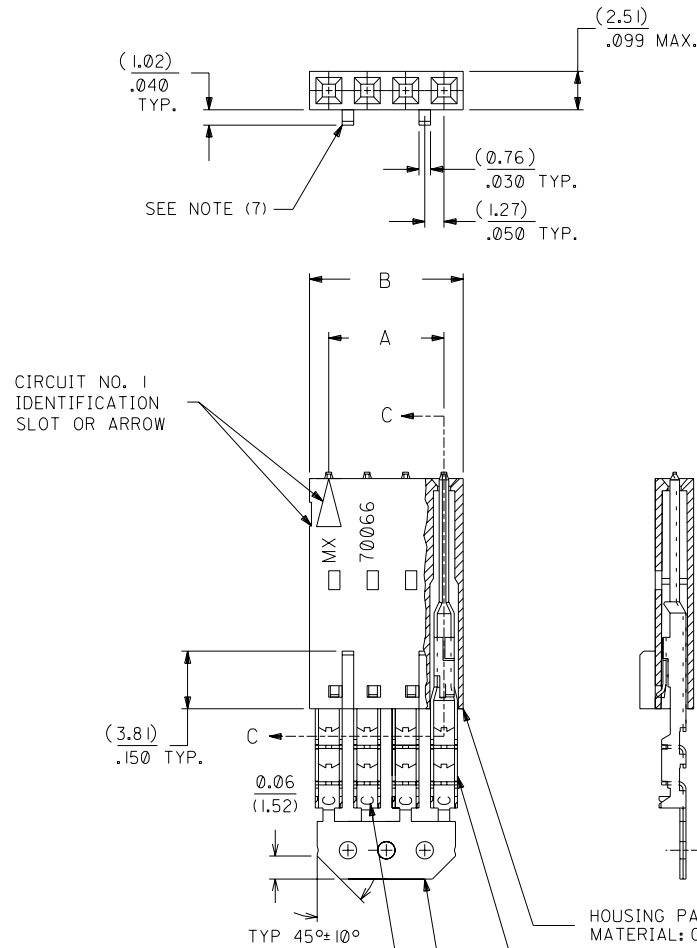
Mates With
[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

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

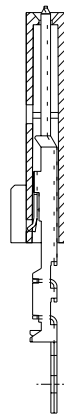
OPTION D

NOTES:

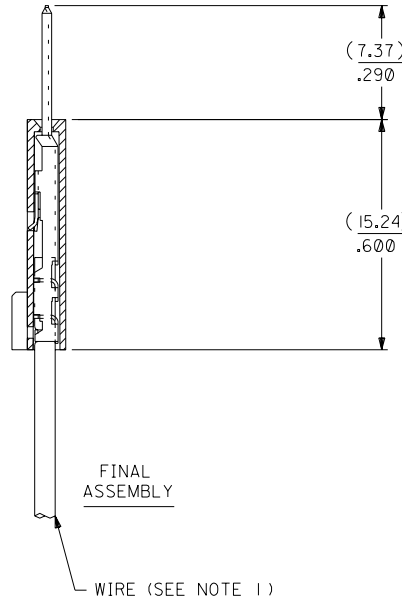
- 1) TO BE USED WITH (28) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70475.
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: 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

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
C	28 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	14-44-4902	A-70475-1471
3	(5.08) .200	(7.59) .299	14-44-4903	A-70475-1472
4	(7.62) .300	(10.13) .399	14-44-4904	A-70475-1473
5	(10.16) .400	(12.67) .499	14-44-4905	A-70475-1474
6	(12.70) .500	(15.21) .599	14-44-4906	A-70475-1475
7	(15.24) .600	(17.75) .699	14-44-4907	A-70475-1476
8	(17.78) .700	(20.29) .799	14-44-4908	A-70475-1477
9	(20.32) .800	(22.83) .899	14-44-4909	A-70475-1478
10	(22.86) .900	(25.37) .999	14-44-4910	A-70475-1479
11	(25.54) 1.000	(27.91) 1.099	14-44-4911	A-70475-1480
12	(27.94) 1.100	(30.45) 1.199	14-44-4912	A-70475-1481
13	(30.48) 1.200	(32.99) 1.299	14-44-4913	A-70475-1482
14	(33.02) 1.300	(35.53) 1.399	14-44-4914	A-70475-1483
15	(35.56) 1.400	(38.07) 1.499	14-44-4915	A-70475-1484
16	(38.01) 1.500	(40.61) 1.599	14-44-4916	A-70475-1485
17	(40.64) 1.600	(43.15) 1.699	14-44-4917	A-70475-1486
18	(43.18) 1.700	(45.69) 1.799	14-44-4918	A-70475-1487
19	(45.72) 1.800	(48.23) 1.899	14-44-4919	A-70475-1488
20	(48.26) 1.900	(50.77) 1.999	14-44-4920	A-70475-1489
21	(50.80) 2.000	(53.31) 2.099	14-44-4921	A-70475-1490
22	(53.34) 2.100	(55.85) 2.199	14-44-4922	A-70475-1491
23	(55.88) 2.200	(58.39) 2.299	14-44-4923	A-70475-1492
24	(58.42) 2.300	(60.93) 2.399	14-44-4924	A-70475-1493
25	(60.96) 2.400	(63.47) 2.499	14-44-4925	A-70475-1494

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	RL	SCALE	4 : 1
LTR. REVISIONS		LTR. REVISIONS	
E	LEAD FREE UCP2004-1769 RWHITE 04/03/24	C	REVISE PER ECR #U81370 5/20/88 MJM
DI	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH	B	REDRAWN ON CAD ECR# 8842 5/9/86 W.Z.
D	REVISED PER ECR NO. U82124 10-17-88 MGB		
TITLE			
ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)			
MOLEX INCORPORATED		SHEET NO.	DATE
LITSE,ILL. 60532		1	10/13/84
PART NO.		DRWG. NO.	
SEE CHART		SDA-70475-1471-1494	
FILE NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DEV. SIZE
S70475DX9			C