

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0014445212](#)
Status: **Active**
Overview: [C-Grid® / SL™ Products](#)
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Male, Single Row, Version D, Back Ribs, for Wire Size 22, 3.81µm (150µ") Tin (Sn), 12 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 [C-Grid® / SL™ Products](#)
Product Name SL™

Physical

Circuits (Loaded) 12
Durability (mating cycles max) 25
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 22
Wire/Cable Type Discrete Wire, Ribbon Cable

Electrical

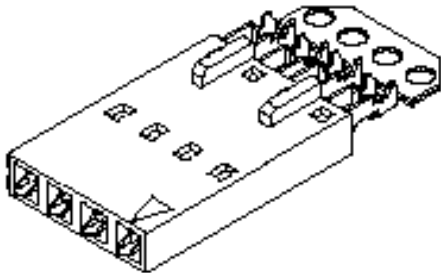
Current - Maximum per Contact 3A
Voltage - Maximum 250V

Material Info

Old Part Number 70475-2181

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](#)

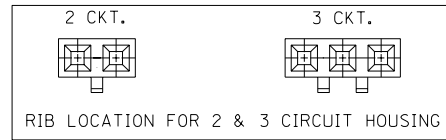
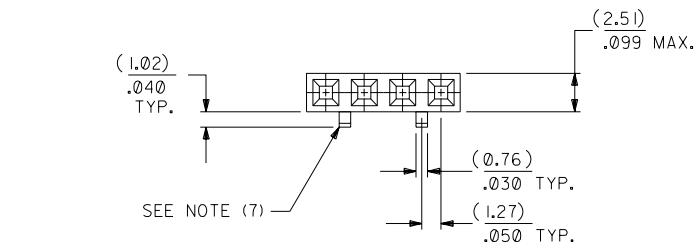
Mates With
[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

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

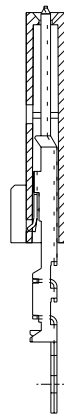
OPTION D

NOTES:

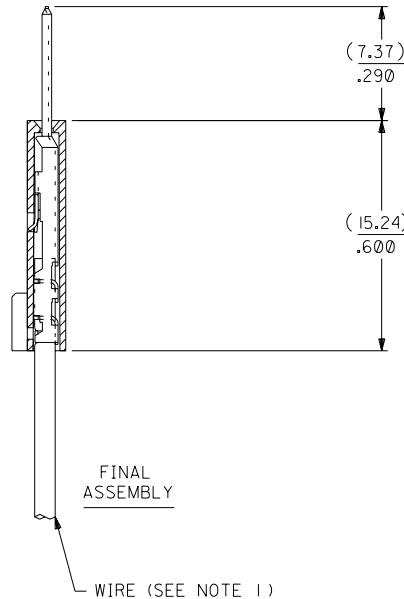
- 1) TO BE USED WITH (22) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70873-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70475.
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: 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

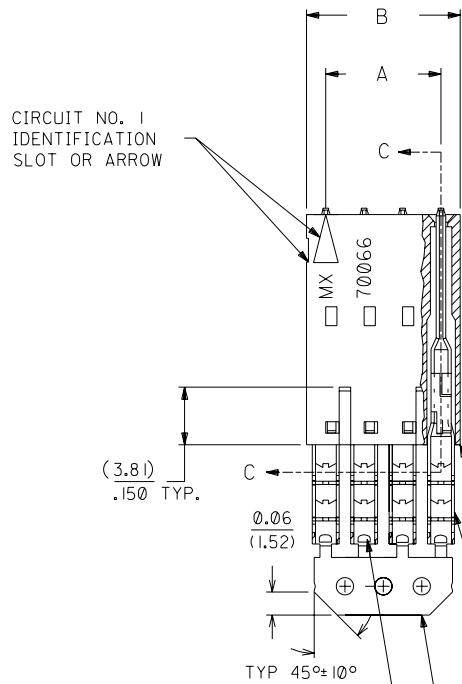


PRE-LOADED
- ASSEMBLY



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-***

TIN - .000150 MINIMUM TIN OVER
.000050 MINIMUM NICKEL PLATE.

*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
D	22 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
TIN	NONE

E	LEAD FREE UCP2004-1769 RWHITE 04/03/24	C	REVISED PER ECR NO. U82124 10R-17-88 MGR
DI	ADD CARRIER CHAMF ECN *U0T189-0280 05/20/98 LMCGRATH	B	REVISE PER ECR U831370 5/20/88 MJM
D	164 PLATING WAS 102 PER ECR *U3149 08/09/93 REED	A	RELEASE FOR PRO PER ECR NO. 25616 11-30-87 AAB
LTR.	REVISIONS	LTR.	REVISIONS

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			
DRWG. BY	AAB	CHK'D. BY	
APP'D.	WA7	SCALE	4 :

$\nabla = 0$ $\blacktriangledown = 0$		REVISE ONLY ON CAD SYSTEM	
TITLE			
ASSEMBLY, SL CONNECTOR (SINGLE ROW - (2.54) x .100 GRID)			
 MOLEX INCORPORATED ELECTRICAL 60932 U.S.A.	SHEET NO.	DATE	
PART NO.	DRWG. NO.		
SEE CHART	SDA-70475-217-2194		
FILE NAME 74752171	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	DIV.	SIZE