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Part Number: 0014445221
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), 21 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) 21
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

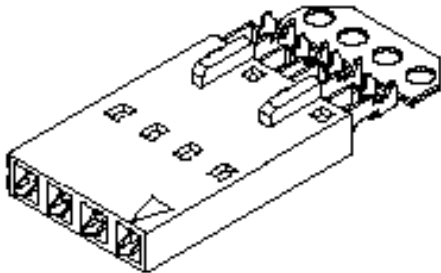
Electrical

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

Material Info

Reference - Drawing Numbers

Product Specification PS-70400



Series

image - Reference only

EU RoHS
Compliance Status
Not Reviewed
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

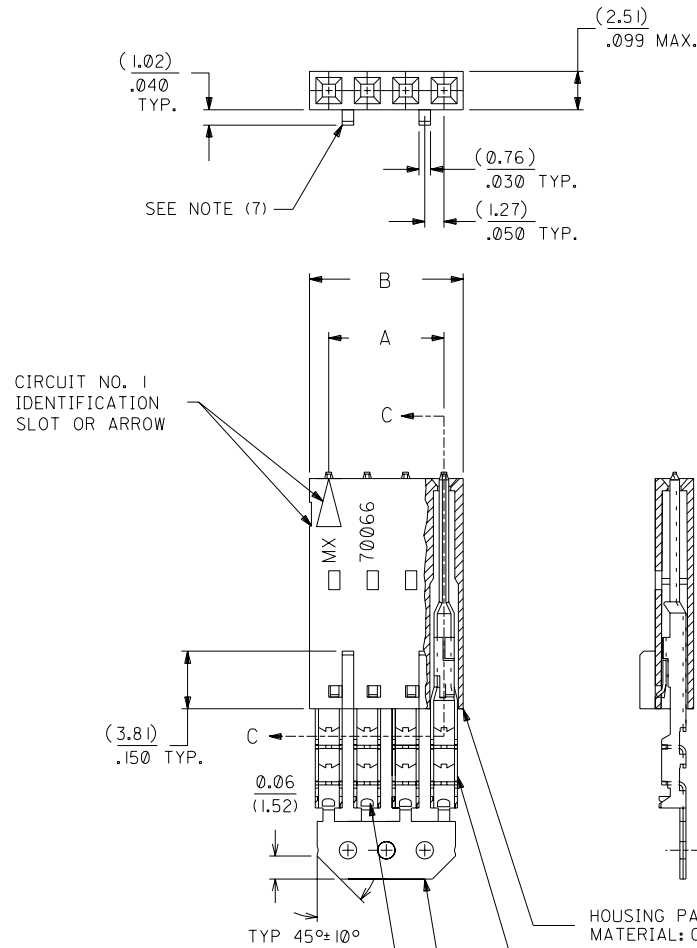
Mates With
70004 Interim Clip (Single Row), 70013 Interim Clip (Dual Row)

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



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

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.

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-44-5202	A-70475-2171
3	(5.08) .200	(7.59) .299	14-44-5203	A-70475-2172
4	(7.62) .300	(10.13) .399	14-44-5204	A-70475-2173
5	(10.16) .400	(12.67) .499	14-44-5205	A-70475-2174
6	(12.70) .500	(15.21) .599	14-44-5206	A-70475-2175
7	(15.24) .600	(17.75) .699	14-44-5207	A-70475-2176
8	(17.78) .700	(20.29) .799	14-44-5208	A-70475-2177
9	(20.32) .800	(22.83) .899	14-44-5209	A-70475-2178
10	(22.86) .900	(25.37) .999	14-44-5210	A-70475-2179
11	(25.54) 1.000	(27.91) 1.099	14-44-5211	A-70475-2180
12	(27.94) 1.100	(30.45) 1.199	14-44-5212	A-70475-2181
13	(30.48) 1.200	(32.99) 1.299	14-44-5213	A-70475-2182
14	(33.02) 1.300	(35.53) 1.399	14-44-5214	A-70475-2183
15	(35.56) 1.400	(38.07) 1.499	14-44-5215	A-70475-2184
16	(38.01) 1.500	(40.61) 1.599	14-44-5216	A-70475-2185
17	(40.64) 1.600	(43.15) 1.699	14-44-5217	A-70475-2186
18	(43.18) 1.700	(45.69) 1.799	14-44-5218	A-70475-2187
19	(45.72) 1.800	(48.23) 1.899	14-44-5219	A-70475-2188
20	(48.26) 1.900	(50.77) 1.999	14-44-5220	A-70475-2189
21	(50.80) 2.000	(53.31) 2.099	14-44-5221	A-70475-2190
22	(53.34) 2.100	(55.85) 2.199	14-44-5222	A-70475-2191
23	(55.88) 2.200	(58.39) 2.299	14-44-5223	A-70475-2192
24	(58.42) 2.300	(60.93) 2.399	14-44-5224	A-70475-2193
25	(60.96) 2.400	(63.47) 2.499	14-44-5225	A-70475-2194

E		C		D		B		A	
LEAD FREE UCP2004-1769 RWHITE 04/03/24		REVISED PER ECR NO. U82124 10-17-88 MGB		ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH		REVISE PER ECR #U81370 5/20/88 MJM		RELEASE FOR PROD. PER ERO NO. 25618 11-30-87 AAB	
164 PLATING WAS 102 PER ECR # U31149 08/09/93 REED		102 PER ECR # U31149 08/09/93 REED		102 PER ECR # U31149 08/09/93 REED		102 PER ECR # U31149 08/09/93 REED		102 PER ECR # U31149 08/09/93 REED	
LTR.		LTR.		LTR.		LTR.		LTR.	
REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS	
DRWG. BY: AAB		CHK'D. BY: WAZ		SCALE: 4 : 1		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
PART NO. 74752171		PART NO. 74752171		PART NO. 74752171		PART NO. 74752171		PART NO. 74752171	
FILE NAME 74752171.DGN		FILE NAME 74752171.DGN		FILE NAME 74752171.DGN		FILE NAME 74752171.DGN		FILE NAME 74752171.DGN	
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MFG. SH. REV.		MFG. SH. REV.		MFG. SH. REV.		MFG. SH. REV.		MFG. SH. REV.	
TITLE		TITLE		TITLE		TITLE		TITLE	
ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.	
SHEET NO. 1		SHEET NO. 1		SHEET NO. 1		SHEET NO. 1		SHEET NO. 1	
DATE 11/30/87		DATE 11/30/87		DATE 11/30/87		DATE 11/30/87		DATE 11/30/87	
PART NO. SDA-70475-2171-2194		PART NO. SDA-70475-2171-2194		PART NO. SDA-70475-2171-2194		PART NO. SDA-70475-2171-2194		PART NO. SDA-70475-2171-2194	
SEE CHART		SEE CHART		SEE CHART		SEE CHART		SEE CHART	
DIV. C		DIV. C		DIV. C		DIV. C		DIV. C	