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Part Number:

0014451802

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, 3.81µm (150µ") Tin (Sn), 2 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)	2
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
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)	150
Plating min: Mating (µm)	3.81
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.81
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	28
Wire/Cable Type	Discrete Wire, Ribbon Cable

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

Material Info

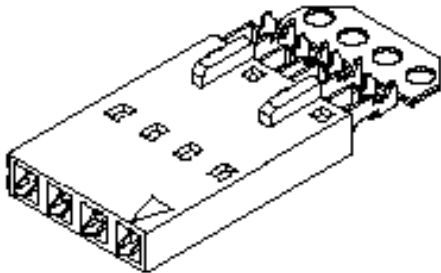


image - Reference only

Series

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

Old Part Number

704750421

Reference - Drawing Numbers

Product Specification

PS-70400

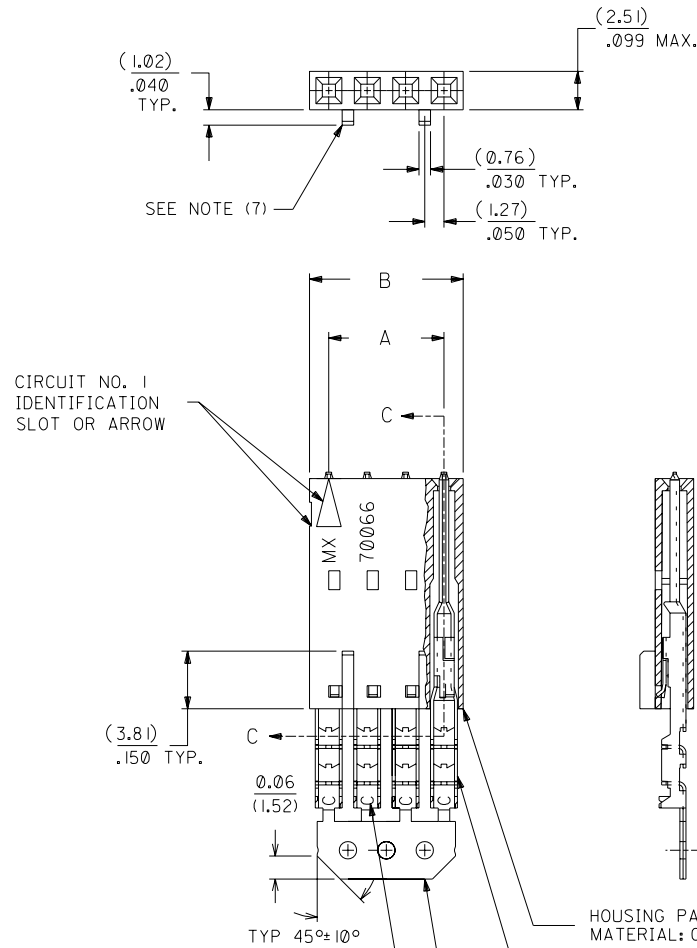
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OPTION D

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



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
TIN	NONE

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.

PRE-LOADED ASSEMBLY
FINAL ASSEMBLY
WIRE (SEE NOTE 1)

*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	14-45-1802	A-70475-0421
3	(5.08) .200	(7.59) .299	14-45-1803	A-70475-0422
4	(7.62) .300	(10.13) .399	14-45-1804	A-70475-0423
5	(10.16) .400	(12.67) .499	14-45-1805	A-70475-0424
6	(12.70) .500	(15.21) .599	14-45-1806	A-70475-0425
7	(15.24) .600	(17.75) .699	14-45-1807	A-70475-0426
8	(17.78) .700	(20.29) .799	14-45-1808	A-70475-0427
9	(20.32) .800	(22.83) .899	14-45-1809	A-70475-0428
10	(22.86) .900	(25.37) .999	14-45-1810	A-70475-0429
11	(25.54) 1.000	(27.91) 1.099	14-45-1811	A-70475-0430
12	(27.94) 1.100	(30.45) 1.199	14-45-1812	A-70475-0431
13	(30.48) 1.200	(32.99) 1.299	14-45-1813	A-70475-0432
14	(33.02) 1.300	(35.53) 1.399	14-45-1814	A-70475-0433
15	(35.56) 1.400	(38.07) 1.499	14-45-1815	A-70475-0434
16	(38.01) 1.500	(40.61) 1.599	14-45-1816	A-70475-0435
17	(40.64) 1.600	(43.15) 1.699	14-45-1817	A-70475-0436
18	(43.18) 1.700	(45.69) 1.799	14-45-1818	A-70475-0437
19	(45.72) 1.800	(48.23) 1.899	14-45-1819	A-70475-0438
20	(48.26) 1.900	(50.77) 1.999	14-45-1820	A-70475-0439
21	(50.80) 2.000	(53.31) 2.099	14-45-1821	A-70475-0440
22	(53.34) 2.100	(55.85) 2.199	14-45-1822	A-70475-0441
23	(55.88) 2.200	(58.39) 2.299	14-45-1823	A-70475-0442
24	(58.42) 2.300	(60.93) 2.399	14-45-1824	A-70475-0443
25	(60.96) 2.400	(63.47) 2.499	14-45-1825	A-70475-0444

F		D		DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
LEAD FREE UCP2004-1769 RWHITE 04/03/24		REVISED PER ECR NO. U82124 10-17-88 MGB		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH		REVISE PER ECR *U81370 5/20/88 MJM		3 PLACE ± .010 2 PLACE ± .014 1 PLACE --- ± 0.25		MOLEX INCORPORATED		SHEET NO. 1	
164 PLATING WAS 102 PER ECR * U31149 08/09/93 REED		REDRAWN ON CAD ECR* 8842 5/9/86 W.Z.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED		DATE 10/13/84	
LTR. REVISIONS		LTR. REVISIONS		DRWG. BY WAZ		PART NO. SEE CHART		DWG. NO. SDA-70475-0421-0444	
APPRO. BY RL		SCALE 4 : 1		FILE NAME S704750X3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. SIZE C	