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Part Number:

0014564071

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 24, 0.76µm (30µ") Gold (Au), 7 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-70400 (PDF)

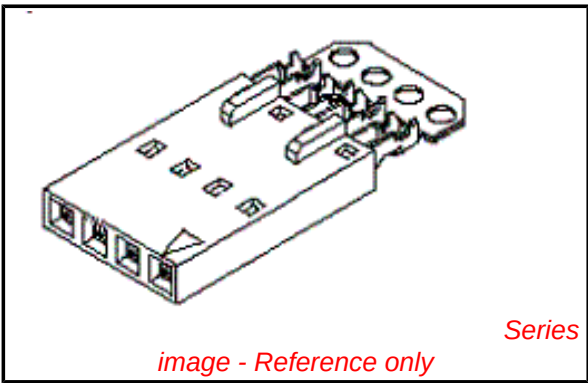
RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Ribbon Cable / Wire Trap Connectors
Series	70400
Comments	Terminals Preloaded
Component Type	Housing
Glow-Wire Compliant	No
Overview	cgrid_sl_products
Product Name	SL™

Physical	
Circuits (Loaded)	7
Color - Resin	Black
Durability (mating cycles max)	50
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
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)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to Mating Part	Yes
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	24
Wire/Cable Type	Discrete Wire, Ribbon Cable

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

Material Info



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

70400Series

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

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
Hawk Semi-Automatic Discrete	0011201337

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-1121-1144

Wire Terminator for
SL - Rebuilt US*
Hawk™ Ribbon 0623003000
Cable Terminator for
SL without Break-off
Hawk™ Semi- 0623004900
Automatic Discrete
Wire Terminator
for SL - Rebuilt CE
Approved*
Hawk™ Flat Flex 0623005200
Cable Terminator for
SL with Break-off
Hawk™ Ribbon 0623005300
Cable Terminator
with for SL Break-off
IDT Discrete 0621000700
Handtool Module for
SL™
Hawk™ Semi- 0623003100
Automatic Discrete
Wire Terminator for
SL

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OPTION D

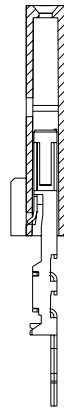
NOTES:

- 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-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END ON (2.54)/.100 CENTERS.
- 5) REFER TO PRODUCT SPECIFICATION: PS-70400.
- 6) SEE DWG. SDA-70400-**** (SHT. 5) FOR OPTIONAL HOUSING DETAILS.
- 7) 4 CIRCUIT SHOWN. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70004-****, 70013-****

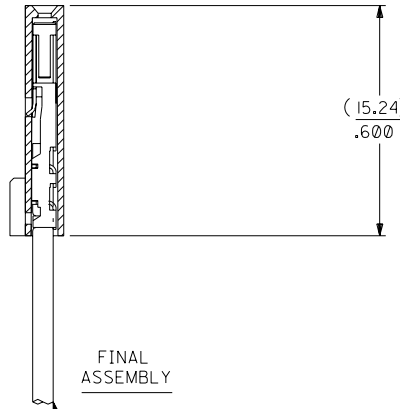
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY



FINAL ASSEMBLY

HOUSING PART NO. 70066-****
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70028-****
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-***

30 GOLD - .000030 MIN. GOLD IN SELECT AREA WITH .000075 MIN. TIN IN SELECT AREA OVER .000050 MIN. 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	14-56-4021	A-70400-1121
3	(5.08) .200	(7.59) .299	14-56-4031	A-70400-1122
4	(7.62) .300	(10.13) .399	14-56-4041	A-70400-1123
5	(10.16) .400	(12.67) .499	14-56-4051	A-70400-1124
6	(12.70) .500	(15.21) .599	14-56-4061	A-70400-1125
7	(15.24) .600	(17.75) .699	14-56-4071	A-70400-1126
8	(17.78) .700	(20.29) .799	14-56-4081	A-70400-1127
9	(20.32) .800	(22.83) .899	14-56-4091	A-70400-1128
10	(22.86) .900	(25.37) .999	14-56-4101	A-70400-1129
11	(25.54) 1.000	(27.91) 1.099	14-56-4111	A-70400-1130
12	(27.94) 1.100	(30.45) 1.199	14-56-4121	A-70400-1131
13	(30.48) 1.200	(32.99) 1.299	14-56-4131	A-70400-1132
14	(33.02) 1.300	(35.53) 1.399	14-56-4141	A-70400-1133
15	(35.56) 1.400	(38.07) 1.499	14-56-4151	A-70400-1134
16	(38.01) 1.500	(40.61) 1.599	14-56-4161	A-70400-1135
17	(40.64) 1.600	(43.15) 1.699	14-56-4171	A-70400-1136
18	(43.18) 1.700	(45.69) 1.799	14-56-4181	A-70400-1137
19	(45.72) 1.800	(48.23) 1.899	14-56-4191	A-70400-1138
20	(48.26) 1.900	(50.77) 1.999	14-56-4201	A-70400-1139
21	(50.80) 2.000	(53.31) 2.099	14-56-4211	A-70400-1140
22	(53.34) 2.100	(55.85) 2.199	14-56-4221	A-70400-1141
23	(55.88) 2.200	(58.39) 2.299	14-56-4231	A-70400-1142
24	(58.42) 2.300	(60.93) 2.399	14-56-4241	A-70400-1143
25	(60.96) 2.400	(63.47) 2.499	14-56-4251	A-70400-1144

D		REVISED PER ECR NO. U82110 10-17-88 AAB	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS		MFG. SH. REV.	
E	LEAD FREE UCP2004-1769 RWHITE 04/03/17	C	REVISE PER ECR #U80110 2/3/88 MJM	3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35	TITLE		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
DI	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH	B	REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MOLEX INCORPORATED		SHEET NO. 10/10/84	
LTR.	REVISIONS	LTR.	REVISIONS	DRWG. BY WAZ	PART NO. SEE CHART		SDA-70400-1121-1144	
				CHK'D. BY WAZ	FILE NAME S704000X7		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
				SCALE 4:1			IDV. DA	