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Part Number:

0014564074

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 28, 0.76µm (30µ") Gold (Au), 7 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-70400 (PDF)

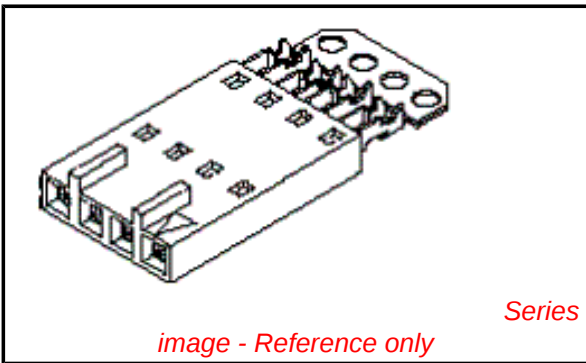
RoHS Certificate of Compliance (PDF)

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	28
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

70544, 70546, 70554 , 70556

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-Automatice Discrete Wire Terminator for SL - Rebuilt US*	0011201337

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-1436-1459

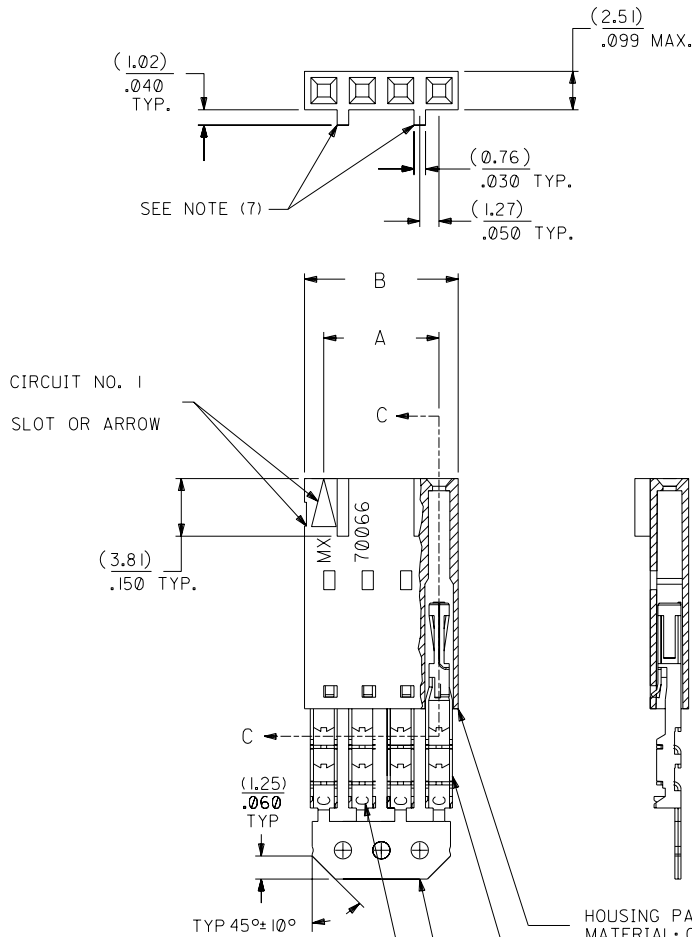
Hawk™ Ribbon Cable Terminator for SL without Break-off	<u>0623003000</u>
Hawk™ Semi-Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved*	<u>0623004900</u>
Hawk™ Flat Flex Cable Terminator for SL with Break-off	<u>0623005200</u>
Hawk™ Ribbon Cable Terminator with for SL Break-off	<u>0623005300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

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OPTION C

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-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. 4 - 25 CKT.'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO.'S.: A-70374-****, A-70376-****, A-70390-****, A-70392-****, A-70544-****, A-70554-****, A-70542-****, A-70552-****, A-70546-****, A-70556-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
C	28 AWG.

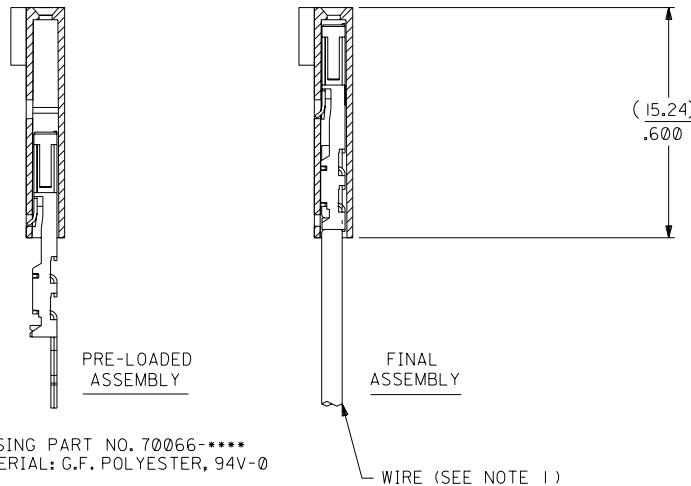
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
30 GOLD	RED

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.



SECTION C-C



CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-4024	A-70400-1436
3	(5.08) .200	(7.59) .299	14-56-4034	A-70400-1437
4	(7.62) .300	(10.13) .399	14-56-4044	A-70400-1438
5	(10.16) .400	(12.67) .499	14-56-4054	A-70400-1439
6	(12.70) .500	(15.21) .599	14-56-4064	A-70400-1440
7	(15.24) .600	(17.75) .699	14-56-4074	A-70400-1441
8	(17.78) .700	(20.29) .799	14-56-4084	A-70400-1442
9	(20.32) .800	(22.83) .899	14-56-4094	A-70400-1443
10	(22.86) .900	(25.37) .999	14-56-4104	A-70400-1444
11	(25.54) 1.000	(27.91) 1.099	14-56-4114	A-70400-1445
12	(27.94) 1.100	(30.45) 1.199	14-56-4124	A-70400-1446
13	(30.48) 1.200	(32.99) 1.299	14-56-4134	A-70400-1447
14	(33.02) 1.300	(35.53) 1.399	14-56-4144	A-70400-1448
15	(35.56) 1.400	(38.07) 1.499	14-56-4154	A-70400-1449
16	(38.01) 1.500	(40.61) 1.599	14-56-4164	A-70400-1450
17	(40.64) 1.600	(43.15) 1.699	14-56-4174	A-70400-1451
18	(43.18) 1.700	(45.69) 1.799	14-56-4184	A-70400-1452
19	(45.72) 1.800	(48.23) 1.899	14-56-4194	A-70400-1453
20	(48.26) 1.900	(50.77) 1.999	14-56-4204	A-70400-1454
21	(50.80) 2.000	(53.31) 2.099	14-56-4214	A-70400-1455
22	(53.34) 2.100	(55.85) 2.199	14-56-4224	A-70400-1456
23	(55.88) 2.200	(58.39) 2.299	14-56-4234	A-70400-1457
24	(58.42) 2.300	(60.93) 2.399	14-56-4244	A-70400-1458
25	(60.96) 2.400	(63.47) 2.499	14-56-4254	A-70400-1459

F		E		REVISED PER ECR NO. U82110 10-17-88 BJS		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = ▽ = REVISE ONLY ON CAD SYSTEM	
F		D		REVISE PER ECR #U80110 2/3/88 MJM		INCH METRIC		TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
E1		C		REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.		3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		MOLEX INCORPORATED SHEET NO. DATE 10/11/84	
LTR.		REVISIONS		LTR.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. SEE CHART SDA-70400-1436-1459	
BY WAZ		BY WAZ		SCALE 4:1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		FILE NAME S70400CKX9	