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Part Number:

0014563083

Status:

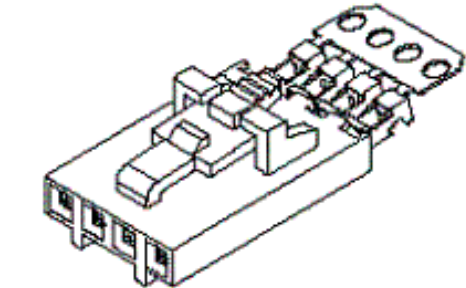
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 28, 0.76µm (30µ") Gold (Au), 8 Circuits



Series

image - Reference only

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)	8
Color - Resin	Black
Durability (mating cycles max)	50
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	Yes
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

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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
[70018](#) , [70107A/B](#), [70543](#), [70545](#) , [70553](#) , [70555](#)

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

Material Info

Old Part Number	70400-1547
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-1541-1564

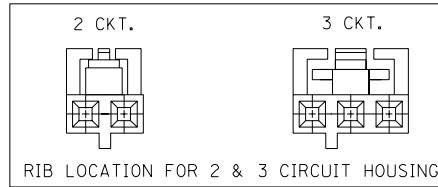
Wire Terminator for SL - Rebuilt US*	
Hawk™ Ribbon	<u>0623003000</u>
Cable Terminator for SL without Break-off	
Hawk™ Semi- Automatic Discrete	<u>0623004900</u>
Wire Terminator for SL - Rebuilt CE Approved*	
Hawk™ Flat Flex	<u>0623005200</u>
Cable Terminator for SL with Break-off	
Hawk™ Ribbon	<u>0623005300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

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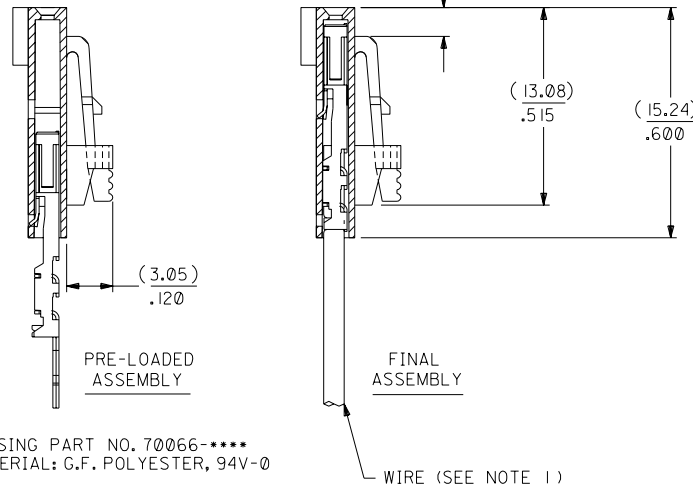
OPTION G

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-70400-0001 (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-70373-0001, A-70375-0001, A-70389-0001, A-70391-0001, A-70407-0001, A-70418-0001, A-70543-0001, A-70553-0001, A-70541-0001, A-70551-0001, A-70545-0001, A-70555-0001.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



HOUSING PART NO. 70066-0001
MATERIAL: G.F. POLYESTER, 94V-0

TERMINAL PART NO. 70028-0001
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-000

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.

CIRCUIT NO. 1
SLOT OR ARROW

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

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-3023	A-70400-1541
3	(5.08) .200	(7.59) .299	14-56-3033	A-70400-1542
4	(7.62) .300	(10.13) .399	14-56-3043	A-70400-1543
5	(10.16) .400	(12.67) .499	14-56-3053	A-70400-1544
6	(12.70) .500	(15.21) .599	14-56-3063	A-70400-1545
7	(15.24) .600	(17.75) .699	14-56-3073	A-70400-1546
8	(17.78) .700	(20.29) .799	14-56-3083	A-70400-1547
9	(20.32) .800	(22.83) .899	14-56-3093	A-70400-1548
10	(22.86) .900	(25.37) .999	14-56-3103	A-70400-1549
11	(25.54) 1.000	(27.91) 1.099	14-56-3113	A-70400-1550
12	(27.94) 1.100	(30.45) 1.199	14-56-3123	A-70400-1551
13	(30.48) 1.200	(32.99) 1.299	14-56-3133	A-70400-1552
14	(33.02) 1.300	(35.53) 1.399	14-56-3143	A-70400-1553
15	(35.56) 1.400	(38.07) 1.499	14-56-3153	A-70400-1554
16	(38.01) 1.500	(40.61) 1.599	14-56-3163	A-70400-1555
17	(40.64) 1.600	(43.15) 1.699	14-56-3173	A-70400-1556
18	(43.18) 1.700	(45.69) 1.799	14-56-3183	A-70400-1557
19	(45.72) 1.800	(48.23) 1.899	14-56-3193	A-70400-1558
20	(48.26) 1.900	(50.77) 1.999	14-56-3203	A-70400-1559
21	(50.80) 2.000	(53.31) 2.099	14-56-3213	A-70400-1560
22	(53.34) 2.100	(55.85) 2.199	14-56-3223	A-70400-1561
23	(55.88) 2.200	(58.39) 2.299	14-56-3233	A-70400-1562
24	(58.42) 2.300	(60.93) 2.399	14-56-3243	A-70400-1563
25	(60.96) 2.400	(63.47) 2.499	14-56-3253	A-70400-1564

	GI	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH
	G	REVISED PER ECR# U00049 9-26-90 MGB
H	F	LEAD FREE UCP2004-1769 RWHITE 04/03/22
LTR.	REVISIONS	LTR.

DRWG. BY WAZ	CHK'D. BY WAZ	SCALE 4:1
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DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS	
3 PLACE ± .010	INCH	REVISIONS	
2 PLACE ± .014	METRIC	REVISIONS	
1 PLACE --- ± 0.35		REVISIONS	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		REVISIONS	
MOLEX INCORPORATED LITTELL, ILL. 60532 U.S.A.		REVISIONS	
PART NO. SEE CHART		REVISIONS	
FILE NAME S70400GK9		REVISIONS	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		REVISIONS	
SHEET NO. 10 / 11/4		REVISIONS	
DATE 10 / 11/4		REVISIONS	
DWG. NO. SDA-70400-1541-1564		REVISIONS	
DIV. DA		REVISIONS	
SIZE C		REVISIONS	