

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014563133

Status:

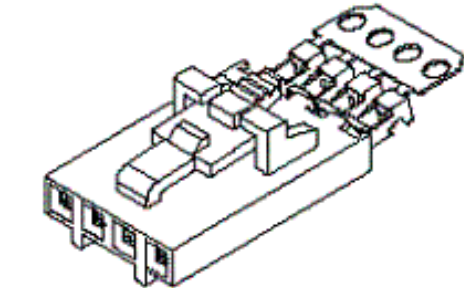
Active

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), 13 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)	13
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
Not Reviewed
Halogen-Free
Status

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

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-1541-1564

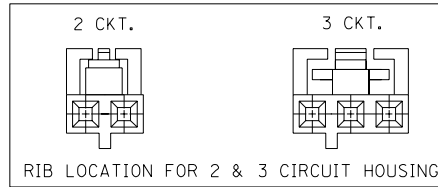
Wire Terminator for
SL - Rebuilt US*
Hawk™ Ribbon 0623003000
Cable Terminator for
SL without Break-off
Hawk™ Semi- 0623004900
Automatic Discrete
Wire Terminator
for SL - Rebuilt CE
Approved*
Hawk™ Flat Flex 0623005200
Cable Terminator for
SL with Break-off
Hawk™ Ribbon 0623005300
Cable Terminator
with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

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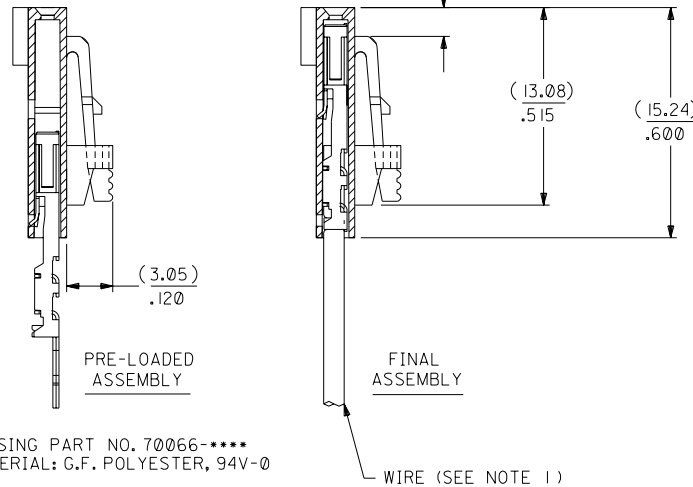
OPTION G

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



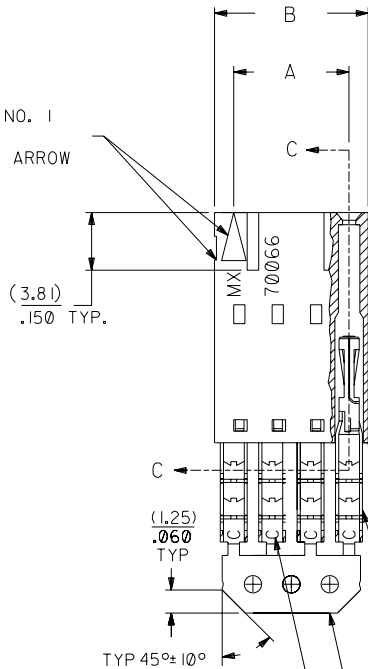
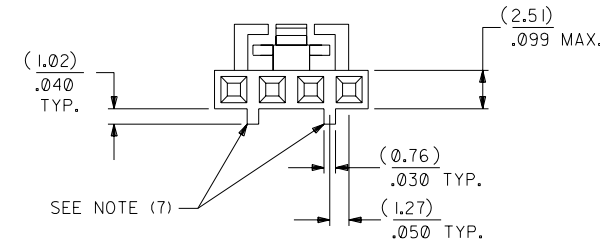
HOUSING PART NO. 70066-0001
MATERIAL: G.F. POLYESTER, 94V-0

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	REVISED PER ECN# U90726 7-10-89 MGB
LTR.	REVISIONS	LTR.

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE ± .010	METRIC
2 PLACE ± .014	± 0.25
1 PLACE ---	± 0.35
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
DRWG. BY WAZ	CHK'D. BY WAZ
APPRO. BY	SCALE 4:1

▽ =	▼ =	REVISE ONLY ON CAD SYSTEM
TITLE		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)
MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.		SHEET NO. 10 / 11 / 4
PART NO. SEE CHART		DRWG. NO. SDA-70400-1541-1564
FILE NAME S70400GX9		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
DEV. DA	SIZE C	