

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014562078

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 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

UL

LR19980

E29179

General

Product Family

Series

Comments

Component Type

Glow-Wire Compliant

Overview

Product Name

Ribbon Cable / Wire Trap Connectors

70400

Terminals Preloaded

Housing

No

cgrid_sl_products

SL™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Entry Angle

Flammability

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire/Cable Type

7

Black

50

Vertical

94V-0

Yes

Phosphor Bronze

Gold

Tin

Polyester Alloy

1

None

Tube

0.100 In

2.54 mm

30

0.75

75

1.875

Yes

Yes

N/A

-40°C to +105°C

IDT or Pierce

1.35mm (.053") max.

24

Discrete Wire, Ribbon Cable

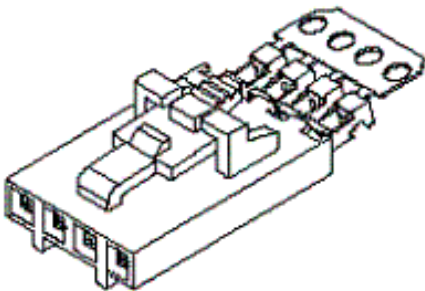
Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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
[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	70400-1196
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-1191-1214

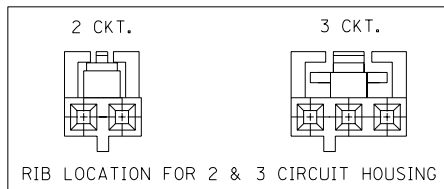
Wire Terminator for SL - Rebuilt US*	
Hawk™ Ribbon	<u>0623003000</u>
Cable Terminator for SL without Break-off	
Hawk™ Semi- Automatic Discrete	<u>0623004900</u>
Wire Terminator for SL - Rebuilt CE Approved*	
Hawk™ Flat Flex	<u>0623005200</u>
Cable Terminator for SL with Break-off	
Hawk™ Ribbon	<u>0623005300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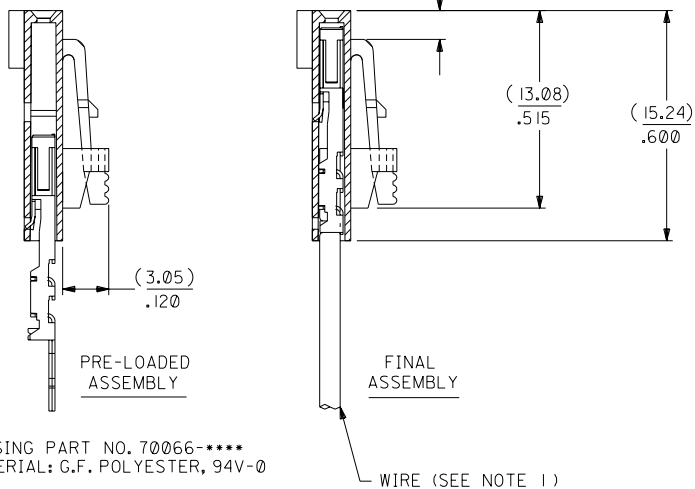
OPTION G

NOTES:

- 1) TO BE USED WITH (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-70400-0001 (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

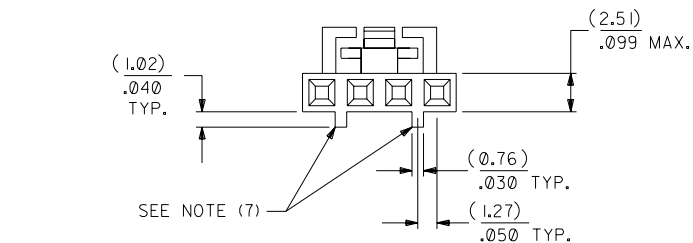


HOUSING PART NO. 70066-0001
MATERIAL: G.F. POLYESTER, 94V-0

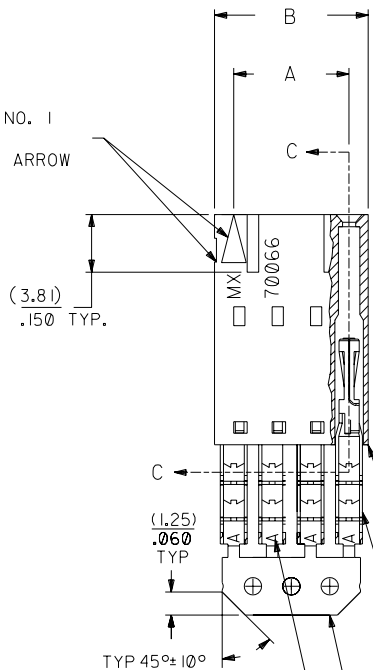
TERMINAL PART NO. 70028-0001
MATERIAL: PHOSPHOR BRONZE
PLATING PER ES-88-000

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
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	14-56-2028	A-70400-1191
3	(5.08) .200	(7.59) .299	14-56-2038	A-70400-1192
4	(7.62) .300	(10.13) .399	14-56-2048	A-70400-1193
5	(10.16) .400	(12.67) .499	14-56-2058	A-70400-1194
6	(12.70) .500	(15.21) .599	14-56-2068	A-70400-1195
7	(15.24) .600	(17.75) .699	14-56-2078	A-70400-1196
8	(17.78) .700	(20.29) .799	14-56-2088	A-70400-1197
9	(20.32) .800	(22.83) .899	14-56-2098	A-70400-1198
10	(22.86) .900	(25.37) .999	14-56-2108	A-70400-1199
11	(25.54) 1.000	(27.91) 1.099	14-56-2118	A-70400-1200
12	(27.94) 1.100	(30.45) 1.199	14-56-2128	A-70400-1201
13	(30.48) 1.200	(32.99) 1.299	14-56-2138	A-70400-1202
14	(33.02) 1.300	(35.53) 1.399	14-56-2148	A-70400-1203
15	(35.56) 1.400	(38.07) 1.499	14-56-2158	A-70400-1204
16	(38.01) 1.500	(40.61) 1.599	14-56-2168	A-70400-1205
17	(40.64) 1.600	(43.15) 1.699	14-56-2178	A-70400-1206
18	(43.18) 1.700	(45.69) 1.799	14-56-2188	A-70400-1207
19	(45.72) 1.800	(48.23) 1.899	14-56-2198	A-70400-1208
20	(48.26) 1.900	(50.77) 1.999	14-56-2208	A-70400-1209
21	(50.80) 2.000	(53.31) 2.099	14-56-2218	A-70400-1210
22	(53.34) 2.100	(55.85) 2.199	14-56-2228	A-70400-1211
23	(55.88) 2.200	(58.39) 2.299	14-56-2238	A-70400-1212
24	(58.42) 2.300	(60.93) 2.399	14-56-2248	A-70400-1213
25	(60.96) 2.400	(63.47) 2.499	14-56-2258	A-70400-1214

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	±	INCH	METRIC
2 PLACE	±	0.10	0.25
1 PLACE	±	0.14	0.35
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY	WAZ	CHK'D. BY	WAZ
APP'D. BY		SCALE	4:1
LTR. REVISIONS		LTR. REVISIONS	
G1		ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH	
G		REVISED PER ECR* U00049 9-26-90 MGB	
H		LEAD FREE UCP2004-1769 RWHITE 04/03/17	
F		REVISED PER ECN* U90726 7-10-89 MGB	

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