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Part Number:

0014562176

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, 0.38µm (15µ") Gold (Au), 17 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

17

Black

50

Vertical

94V-0

Yes

Phosphor Bronze

Gold

Tin

Polyester Alloy

1

None

Tube

0.100 In

2.54 mm

15

0.375

75

1.875

Yes

Yes

N/A

-40°C to +105°C

IDT or Pierce

1.35mm (.053") max.

28

Discrete Wire, Ribbon Cable

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V

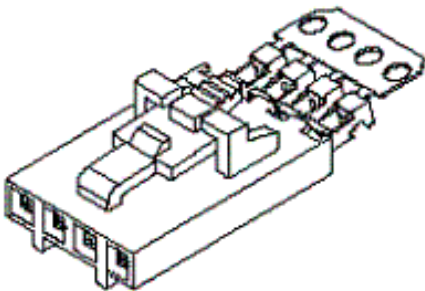


image - Reference only

Series

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
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-70400-1016-1039

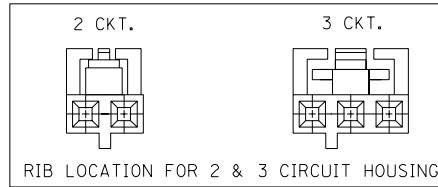
Wire Terminator for
SL - Rebuilt US*
Hawk™ Ribbon 0623003000
Cable Terminator for
SL without Break-off
Hawk™ Semi- 0623004900
Automatic Discrete
Wire Terminator
for SL - Rebuilt CE
Approved*
Hawk™ Flat Flex 0623005200
Cable Terminator for
SL with Break-off
Hawk™ Ribbon 0623005300
Cable Terminator
with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

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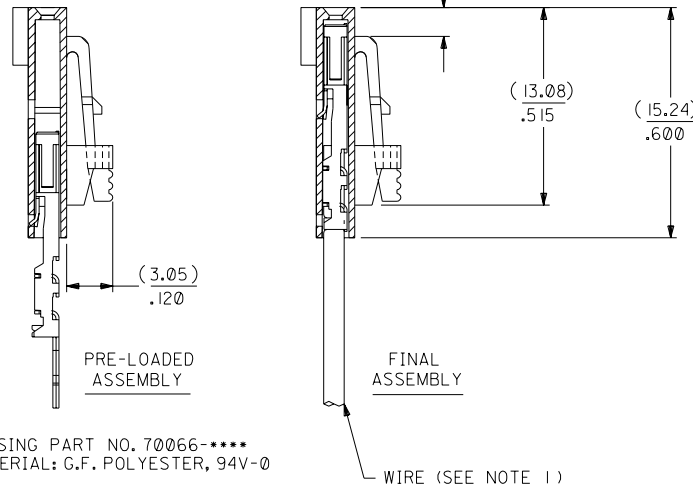
OPTION G

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, 70107-0001, 70018-0001, 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



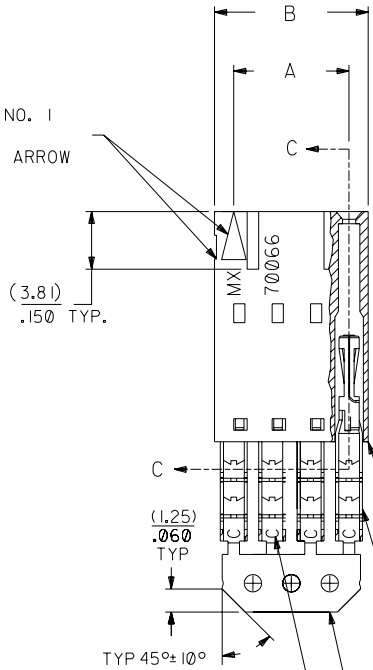
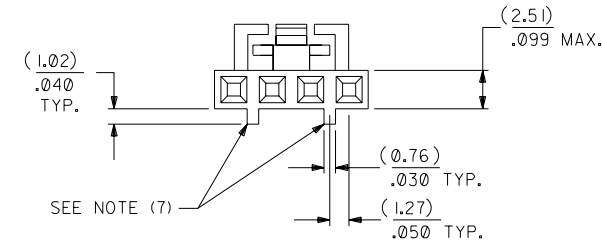
HOUSING PART NO. 70066-0001
MATERIAL: G.F. POLYESTER, 94V-0

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

15 GOLD - .000015 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
15 GOLD	YELLOW

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-2026	A-70400-1016
3	(5.08) .200	(7.59) .299	14-56-2036	A-70400-1017
4	(7.62) .300	(10.13) .399	14-56-2046	A-70400-1018
5	(10.16) .400	(12.67) .499	14-56-2056	A-70400-1019
6	(12.70) .500	(15.21) .599	14-56-2066	A-70400-1020
7	(15.24) .600	(17.75) .699	14-56-2076	A-70400-1021
8	(17.78) .700	(20.29) .799	14-56-2086	A-70400-1022
9	(20.32) .800	(22.83) .899	14-56-2096	A-70400-1023
10	(22.86) .900	(25.37) .999	14-56-2106	A-70400-1024
11	(25.54) 1.000	(27.91) 1.099	14-56-2116	A-70400-1025
12	(27.94) 1.100	(30.45) 1.199	14-56-2126	A-70400-1026
13	(30.48) 1.200	(32.99) 1.299	14-56-2136	A-70400-1027
14	(33.02) 1.300	(35.53) 1.399	14-56-2146	A-70400-1028
15	(35.56) 1.400	(38.07) 1.499	14-56-2156	A-70400-1029
16	(38.01) 1.500	(40.61) 1.599	14-56-2166	A-70400-1030
17	(40.64) 1.600	(43.15) 1.699	14-56-2176	A-70400-1031
18	(43.18) 1.700	(45.69) 1.799	14-56-2186	A-70400-1032
19	(45.72) 1.800	(48.23) 1.899	14-56-2196	A-70400-1033
20	(48.26) 1.900	(50.77) 1.999	14-56-2206	A-70400-1034
21	(50.80) 2.000	(53.31) 2.099	14-56-2216	A-70400-1035
22	(53.34) 2.100	(55.85) 2.199	14-56-2226	A-70400-1036
23	(55.88) 2.200	(58.39) 2.299	14-56-2236	A-70400-1037
24	(58.42) 2.300	(60.93) 2.399	14-56-2246	A-70400-1038
25	(60.96) 2.400	(63.47) 2.499	14-56-2256	A-70400-1039

ADD CARRIER CHAMF ECN *UDT 1998-0280 05/20/98 LMCGRATH		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		REVISIONS	
REVISED PER ECR* U00049 9-26-90 MGB		INCH METRIC 3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
REVISED PER ECN* U90726 7-10-89 MGB		DRAWG. BY WAZ CHK'D BY WAZ APPR'D. BY SCALE 4:1		LTR. REVISIONS	
LTR. REVISIONS		LTR. REVISIONS		LTR. REVISIONS	

MFG. SH. REV.		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. DATE 10/10/84	
PART NO. SEE CHART		DWG. NO. SDA-70400-1016-1039	
FILE NAME S70400GK6		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
DA		SIZE	