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Part Number:

0014600196

Status:

Active

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 28, 3.81µm (150µ") Tin/Lead (SnPb), 19 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

Series

Comments

Component Type

Glow-Wire Compliant

Product Name

Ribbon Cable / Wire Trap Connectors

70400

Terminals Preloaded

Housing

No

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

19

Black

25

Vertical

94V-0

Yes

Phosphor Bronze

Tin

Tin

Polyester Alloy

1

None

Tube

0.100 In

2.54 mm

150

3.75

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

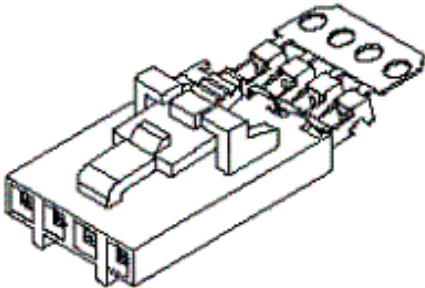
Current - Maximum per Contact

Voltage - Maximum

1.2A

250V

Material Info



Series

image - Reference only

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

Reference - Drawing Numbers

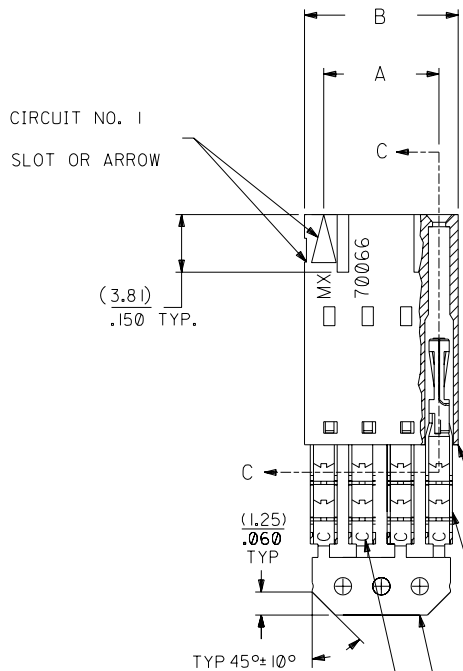
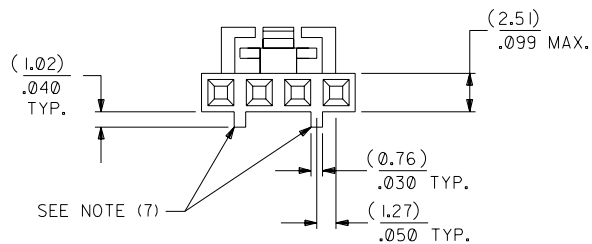
Product Specification
Sales Drawing

PS-70400
SDA-70400-0491-0514

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

This document was generated on 03/30/2010
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OPTION G



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
TIN	NONE

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

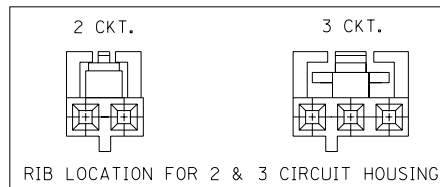
TERMINAL PART NO.70028-****
MATERIAL:PHOSPHOR BRONZE
PLATING PER ES-88-***

TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.

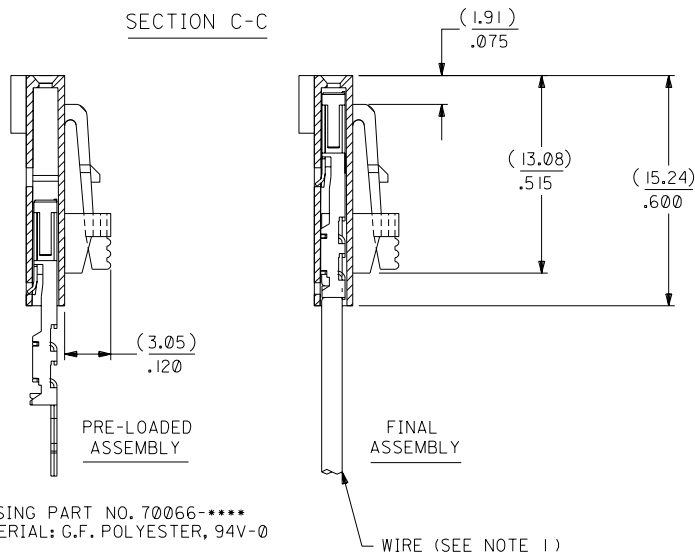
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

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-70873-0001. 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-70373-****, A-70375-****, A-70389-****, A-70391-****, 70107-****, 70018-****, A-70543-****, A-70553-****, A-70541-****, A-70551-****, A-70545-****, A-70555-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) 1.00	(5.05) 1.99	14-60-0026	A-70400-0491
3	(5.08) 2.00	(7.59) 2.99	14-60-0036	A-70400-0492
4	(7.62) 3.00	(10.13) 3.99	14-60-0046	A-70400-0493
5	(10.16) 4.00	(12.67) 4.99	14-60-0056	A-70400-0494
6	(12.70) 5.00	(15.21) 5.99	14-60-0066	A-70400-0495
7	(15.24) 6.00	(17.75) 6.99	14-60-0076	A-70400-0496
8	(17.78) 7.00	(20.29) 7.99	14-60-0086	A-70400-0497
9	(20.32) 8.00	(22.83) 8.99	14-60-0096	A-70400-0498
10	(22.86) 9.00	(25.37) 9.99	14-60-0106	A-70400-0499
11	(25.54) 1.000	(27.91) 1.099	14-60-0116	A-70400-0500
12	(27.94) 1.100	(30.45) 1.199	14-60-0126	A-70400-0501
13	(30.48) 1.200	(32.99) 1.299	14-60-0136	A-70400-0502
14	(33.02) 1.300	(35.53) 1.399	14-60-0146	A-70400-0503
15	(35.56) 1.400	(38.07) 1.499	14-60-0156	A-70400-0504
16	(38.01) 1.500	(40.61) 1.599	14-60-0166	A-70400-0505
17	(40.64) 1.600	(43.15) 1.699	14-60-0176	A-70400-0506
18	(43.18) 1.700	(45.69) 1.799	14-60-0186	A-70400-0507
19	(45.72) 1.800	(48.23) 1.899	14-60-0196	A-70400-0508
20	(48.26) 1.900	(50.77) 1.999	14-60-0206	A-70400-0509
21	(50.80) 2.000	(53.31) 2.099	14-60-0216	A-70400-0510
22	(53.34) 2.100	(55.85) 2.199	14-60-0226	A-70400-0511
23	(55.88) 2.200	(58.39) 2.299	14-60-0236	A-70400-0512
24	(58.42) 2.300	(60.93) 2.399	14-60-0246	A-70400-0513
25	(60.96) 2.400	(63.47) 2.499	14-60-0256	A-70400-0514

I LEAD FREE UCP2004-1769 RWHITE 04/03/17		H ADD CARRIER CHAMF ECR *UDT1998-0280 05/20/98 LMCGRATH 164 PLATING WAS 102 PER ECR * U30941 07/14/93 REED		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▽ = 0 TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54) / .100 GRID)		REVISE ONLY ON CAD SYSTEM	
		H REVISED PER ECR* U00049 9-26-90 MGB		INCH METRIC 3 PLACE ± 0.10 --- 2 PLACE ± 0.14 ± 0.25 1 PLACE --- ± 0.35		MOLEX INCORPORATED LITTLE ROCK, MISSOURI, U.S.A.		SHEET NO. DATE 10/09/84	
LTR. REVISIONS		LTR. REVISIONS		DRWG. BY: W.Z. APP'D. BY: SCALE: 4:1		PART NO. SEE CHART SD4-70400-0491-0514		DRWG. NO. SD4-70400-0491-0514	
				FILE NAME S70400C.X3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. A SIZE	