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Part Number:

0014567202

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 22, 3.81µm (150µ") Tin/Lead (SnPb), 20 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

20

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.

22

Discrete Wire, Ribbon Cable

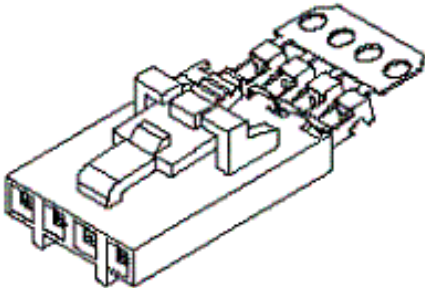
Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

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

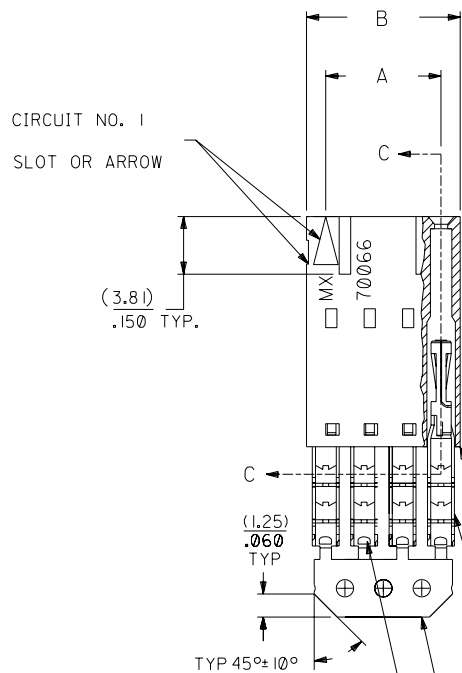
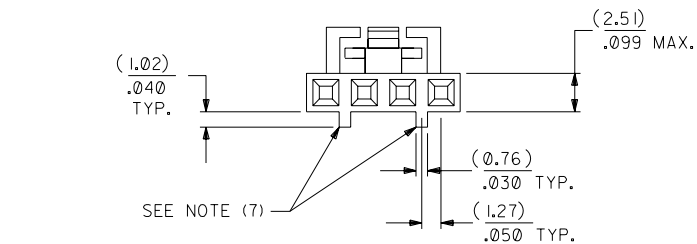
Material Info

Old Part Number	70400-3158
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-3140-3163

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



I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
D	22 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
TIN	NONE

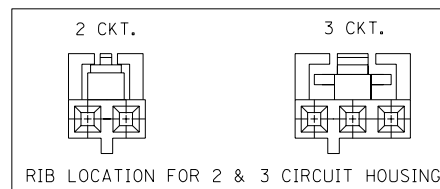
HOUSING PART NO. 70066-****
MATERIAL: G.F. POLYESTER, 94V-0

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

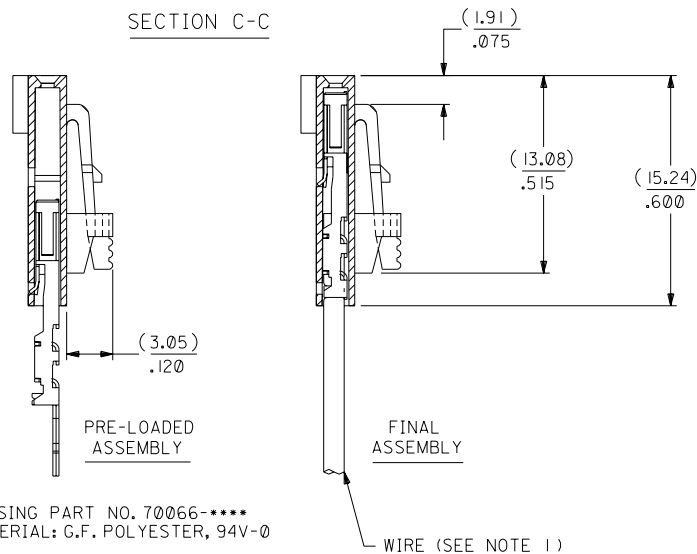
TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.

NOTES:

- 1) TO BE USED WITH (22) 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) .100	(5.05) .199	14-56-7022	A-70400-3140
3	(5.08) .200	(7.59) .299	14-56-7032	A-70400-3141
4	(7.62) .300	(10.13) .399	14-56-7042	A-70400-3142
5	(10.16) .400	(12.67) .499	14-56-7052	A-70400-3143
6	(12.70) .500	(15.21) .599	14-56-7062	A-70400-3144
7	(15.24) .600	(17.75) .699	14-56-7072	A-70400-3145
8	(17.78) .700	(20.29) .799	14-56-7082	A-70400-3146
9	(20.32) .800	(22.83) .899	14-56-7092	A-70400-3147
10	(22.86) .900	(25.37) .999	14-56-7102	A-70400-3148
11	(25.54) 1.000	(27.91) 1.099	14-56-7112	A-70400-3149
12	(27.94) 1.100	(30.45) 1.199	14-56-7122	A-70400-3150
13	(30.48) 1.200	(32.99) 1.299	14-56-7132	A-70400-3151
14	(33.02) 1.300	(35.53) 1.399	14-56-7142	A-70400-3152
15	(35.56) 1.400	(38.07) 1.499	14-56-7152	A-70400-3153
16	(38.01) 1.500	(40.61) 1.599	14-56-7162	A-70400-3154
17	(40.64) 1.600	(43.15) 1.699	14-56-7172	A-70400-3155
18	(43.18) 1.700	(45.69) 1.799	14-56-7182	A-70400-3156
19	(45.72) 1.800	(48.23) 1.899	14-56-7192	A-70400-3157
20	(48.26) 1.900	(50.77) 1.999	14-56-7202	A-70400-3158
21	(50.80) 2.000	(53.31) 2.099	14-56-7212	A-70400-3159
22	(53.34) 2.100	(55.85) 2.199	14-56-7222	A-70400-3160
23	(55.88) 2.200	(58.39) 2.299	14-56-7232	A-70400-3161
24	(58.42) 2.300	(60.93) 2.399	14-56-7242	A-70400-3162
25	(60.96) 2.400	(63.47) 2.499	14-56-7252	A-70400-3163

*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.

G	LEAD FREE UCP2004-1769 RWHITE 04/03/22	F	ADD CARRIER CHAMF ECN = UDT 1998-0280 05/20/98 LMCGRATH	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\frac{1}{2}^\circ$		$\nabla = 0$ $\blacktriangledown = 0$ REVISE ONLY ON CAD SYSTEM
		F	164 PLATING WAS 102 PER ECR = U30941 07/14/93 REED	INCH METRIC 3 PLACE $\pm .010$ --- 2 PLACE $\pm .014$ ± 0.25 1 PLACE --- ± 0.35		TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2,54)"/100 GRID)
		E	REVISED PER ECR = U00049 9-29-90 MGB	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED SHEET NO. DATE LITTLE ROCK, AR 68932 U.S.A. 10/26/87
	L.T.R.	REVISIONS	L.T.R.	REVISIONS	PART NO. DRWG. NO. SEE CHART SDA-70400-3140-3163	
				FILE NAME 74003140	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
				DRWG. NO. APP'D. BY	C.H.D. BY SCALE 4 : 1	DIV. DES. SIZE