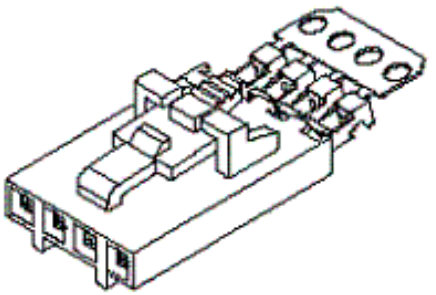
This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0014567242
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), 24 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)	24
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
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)	150
Plating min: Mating (µm)	3.75
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	22
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
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-Automatice Discrete	0011201337

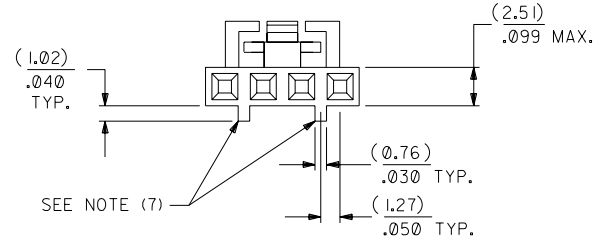
Material Info

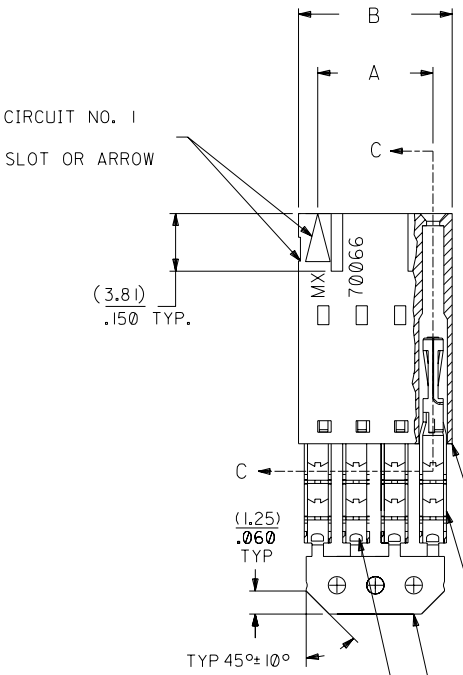
Reference - Drawing Numbers

Product Specification	PS-70400
Sales Drawing	SDA-70400-3140-3163

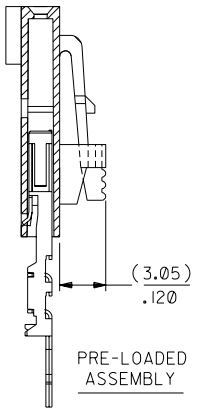
Wire Terminator for SL - Rebuilt US*	
Hawk™ Ribbon Cable Terminator for SL without Break-off	0623003000
Hawk™ Semi-Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved*	0623004900
Hawk™ Flat Flex Cable Terminator for SL with Break-off	0623005200
Hawk™ Ribbon Cable Terminator with for SL Break-off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

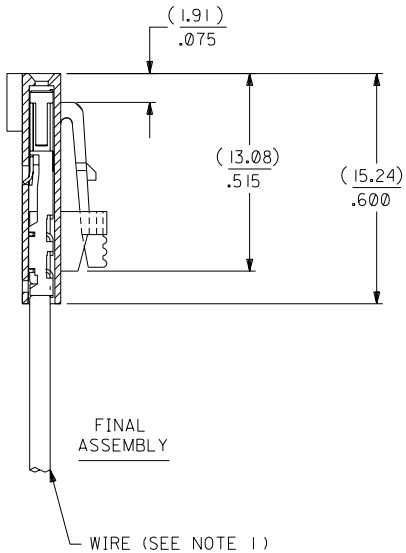
OPTION G





SECTION C-C





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

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

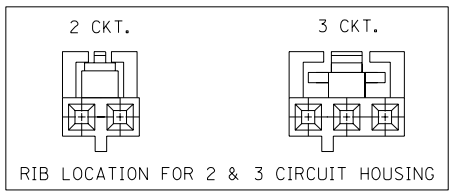
TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.

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

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.



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.

LTR.	REVISIONS	LTR.	REVISIONS
G	LEAD FREE UCP2004-1769 RWHITE 04/03/22	F1	ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH
		F	164 PLATING WAS 102 PER ECR * U30941 07/14/93 REED
		E	REVISED PER ECR* U00049 9-29-90 MGB

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY AAB | CHK'D. BY WAZ | APP'D. BY | SCALE 4 : 1

MFG. SH. REV.

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. | DATE 10/26/87

PART NO. SEE CHART

DRWG. NO. SDA-70400-3140-3163

FILE NAME 74003140 DGN

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DIV. DA | SIZE C

70400