

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0014567034

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 22, 0.38µm (15µ") Gold (Au), 3 Circuits

Documents:	
3D Model	Product Specification PS-70400 (PDF)
Drawing (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)	3
Color - Resin	Black
Durability (mating cycles max)	50
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
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)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to Mating Part	No
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
Material Info	



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

Single Row headers and housings, [8624](#) , [70203](#) , [42375](#) , [42377](#)

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

Old Part Number	70400-3176	Wire Terminator for SL - Rebuilt US*
Reference - Drawing Numbers		Hawk™ Ribbon <u>0623003000</u>
Product Specification	PS-70400	Cable Terminator for SL without Break-off
Sales Drawing	SDA-70400-3175-3198	Hawk™ Semi- <u>0623004900</u> Automatic Discrete
		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- <u>0623003100</u> Automatic Discrete
		Wire Terminator for SL

This document was generated on 05/21/2010

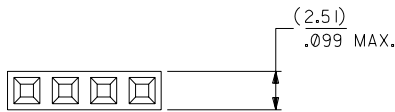
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

OPTION A

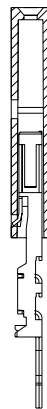
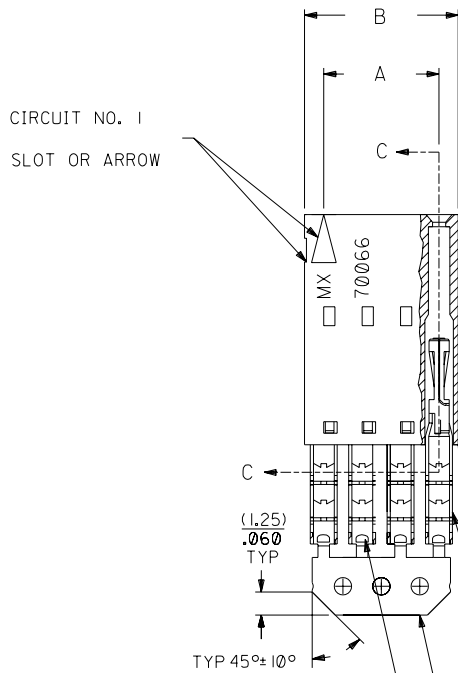
NOTES:

- 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 AND SIDE BY SIDE
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.
- 8) TO MATE WITH MOLEX (2,54)/.100 CENTERLINE HEADERS.

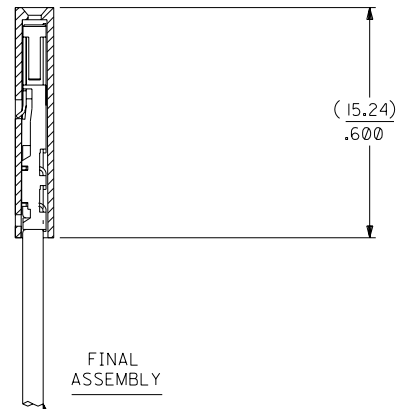
9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED
ASSEMBLY



FINAL
ASSEMBLY

WIRE (SEE NOTE 1)

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

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

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.

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
15 GOLD	YELLOW

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) 1.00	(5.05) 1.99	14-56-7024	A-70400-3175
3	(5.08) 2.00	(7.59) 2.99	14-56-7034	A-70400-3176
4	(7.62) 3.00	(10.13) 3.99	14-56-7044	A-70400-3177
5	(10.16) 4.00	(12.67) 4.99	14-56-7054	A-70400-3178
6	(12.70) 5.00	(15.21) 5.99	14-56-7064	A-70400-3179
7	(15.24) 6.00	(17.75) 6.99	14-56-7074	A-70400-3180
8	(17.78) 7.00	(20.29) 7.99	14-56-7084	A-70400-3181
9	(20.32) 8.00	(22.83) 8.99	14-56-7094	A-70400-3182
10	(22.86) 9.00	(25.37) 9.99	14-56-7104	A-70400-3183
11	(25.54) 1.000	(27.91) 1.099	14-56-7114	A-70400-3184
12	(27.94) 1.100	(30.45) 1.199	14-56-7124	A-70400-3185
13	(30.48) 1.200	(32.99) 1.299	14-56-7134	A-70400-3186
14	(33.02) 1.300	(35.53) 1.399	14-56-7144	A-70400-3187
15	(35.56) 1.400	(38.07) 1.499	14-56-7154	A-70400-3188
16	(38.01) 1.500	(40.61) 1.599	14-56-7164	A-70400-3189
17	(40.64) 1.600	(43.15) 1.699	14-56-7174	A-70400-3190
18	(43.18) 1.700	(45.69) 1.799	14-56-7184	A-70400-3191
19	(45.72) 1.800	(48.23) 1.899	14-56-7194	A-70400-3192
20	(48.26) 1.900	(50.77) 1.999	14-56-7204	A-70400-3193
21	(50.80) 2.000	(53.31) 2.099	14-56-7214	A-70400-3194
22	(53.34) 2.100	(55.85) 2.199	14-56-7224	A-70400-3195
23	(55.88) 2.200	(58.39) 2.299	14-56-7234	A-70400-3196
24	(58.42) 2.300	(60.93) 2.399	14-56-7244	A-70400-3197
25	(60.96) 2.400	(63.47) 2.499	14-56-7254	A-70400-3198

D LEAD FREE UCP2004-1769 RWWHITE 04/03/22		C REVISED PER ECR NO. U82110 10-17-88 AAB		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 1/2^\circ$		= REVISE ONLY ON CAD SYSTEM	
B REVERSE PER ECR #U80110 2/3/88 MJM		A RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB		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)	
CI ADD CARRIER CHAMF ECR #UDT1998-0280 05/20/98 LMCGRATH				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED SHEET NO. DATE LISLE,ILL. 68932 U.S.A. 10/26/87	
LTR. REVISIONS		LTR. REVISIONS		DRWG. BY: AAB APP'D. BY:		PART NO. SEE CHART DRWG. NO. SDA-70400-3175-3198	
				CHW'D. BY: WAZ SCALE: 4 : 1		FILE NO. 740003175 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
						DIV. CAD SIZE C	