

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0014600065](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 28, 3.81µm (150µ") Tin/Lead (SnPb), 6 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-70400 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

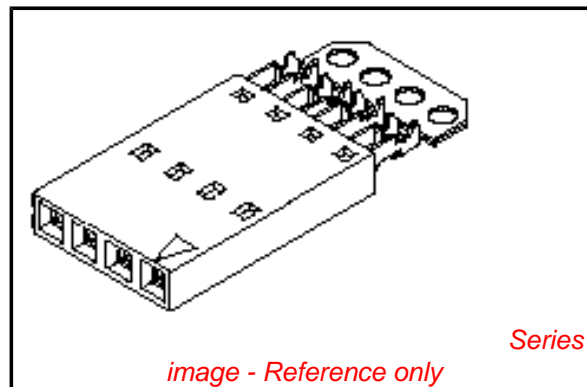
Product Family Ribbon Cable / Wire Trap Connectors  
 Series [70400](#)  
 Comments Terminals Preloaded  
 Component Type Housing  
 Glow-Wire Compliant No  
 Overview [cgrid\\_sl\\_products](#)  
 Product Name SL™

**Physical**

Circuits (Loaded) 6  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Entry Angle Vertical  
 Flammability 94V-0  
 Lock to Mating Part None  
 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 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 28  
 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**

**China RoHS**



**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto: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	<a href="#">0011201337</a>

**Material Info**

Old Part Number 70400-0355

**Reference - Drawing Numbers**

Product Specification PS-70400  
Sales Drawing SDA-70400-0351-0374

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  
Hawk™ Semi- 0623003100  
Automatic Discrete  
Wire Terminator for  
SL

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# OPTION A

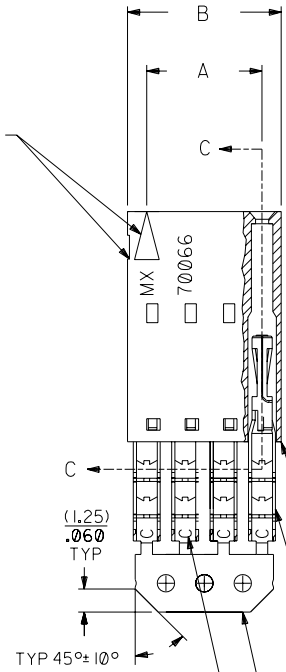
## NOTES:

- 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 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.



CIRCUIT NO. 1  
SLOT OR ARROW



### SECTION C-C



PRE-LOADED ASSEMBLY



FINAL ASSEMBLY

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.

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

CKT. SIZE	DIMENSIONS (INCH)		EDP. NO.	ENG. NO.
	A	B		
2	( 2.54 ) .100	( 5.05 ) .199	14-60-0025	A-70400-0351
3	( 5.08 ) .200	( 7.59 ) .299	14-60-0035	A-70400-0352
4	( 7.62 ) .300	( 10.13 ) .399	14-60-0045	A-70400-0353
5	( 10.16 ) .400	( 12.67 ) .499	14-60-0055	A-70400-0354
6	( 12.70 ) .500	( 15.21 ) .599	14-60-0065	A-70400-0355
7	( 15.24 ) .600	( 17.75 ) .699	14-60-0075	A-70400-0356
8	( 17.78 ) .700	( 20.29 ) .799	14-60-0085	A-70400-0357
9	( 20.32 ) .800	( 22.83 ) .899	14-60-0095	A-70400-0358
10	( 22.86 ) .900	( 25.37 ) .999	14-60-0105	A-70400-0359
11	( 25.54 ) 1.000	( 27.91 ) 1.099	14-60-0115	A-70400-0360
12	( 27.94 ) 1.100	( 30.45 ) 1.199	14-60-0125	A-70400-0361
13	( 30.48 ) 1.200	( 32.99 ) 1.299	14-60-0135	A-70400-0362
14	( 33.02 ) 1.300	( 35.53 ) 1.399	14-60-0145	A-70400-0363
15	( 35.56 ) 1.400	( 38.07 ) 1.499	14-60-0155	A-70400-0364
16	( 38.01 ) 1.500	( 40.61 ) 1.599	14-60-0165	A-70400-0365
17	( 40.64 ) 1.600	( 43.15 ) 1.699	14-60-0175	A-70400-0366
18	( 43.18 ) 1.700	( 45.69 ) 1.799	14-60-0185	A-70400-0367
19	( 45.72 ) 1.800	( 48.23 ) 1.899	14-60-0195	A-70400-0368
20	( 48.26 ) 1.900	( 50.77 ) 1.999	14-60-0205	A-70400-0369
21	( 50.80 ) 2.000	( 53.31 ) 2.099	14-60-0215	A-70400-0370
22	( 53.34 ) 2.100	( 55.85 ) 2.199	14-60-0225	A-70400-0371
23	( 55.88 ) 2.200	( 58.39 ) 2.299	14-60-0235	A-70400-0372
24	( 58.42 ) 2.300	( 60.93 ) 2.399	14-60-0245	A-70400-0373
25	( 60.96 ) 2.400	( 63.47 ) 2.499	14-60-0255	A-70400-0374

LTR.	REVISIONS	LTR.	REVISIONS
G	LEAD FREE UCP2004-1769 RWHITE 04/03/17	E	REVISED PER ECR NO. U82110 10-17-88 AAB
F1	ADD CARRIER CHAMF ECN #JDT1998-0280 05/20/98 LMCGRATH	D	REVISE PER ECR #U80110 2/3/88 MJM
F	164 PLATING WAS 102 PER ECR # U30941 07/06/93 REED	C	REDRAWN ON CAD ECR# 8842 5/7/86 W.Z.

DIMENSIONS SHOWN (METRIC) INCH	
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	± .010
2 PLACE	± .014 ± 0.25
1 PLACE	± 0.35

▽ = 0	▼ = 0	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 10/09/84
PART NO. SDA-70400-0351-0374		DRWG. NO.
SEE CHART		
FILE NAME 570400AX3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
DRWG. BY WAZ	CHK'D. BY WAZ	SCALE 4:1
APP'D. BY	SCALE	DATE

70400

MFG. SH. REV.

DA