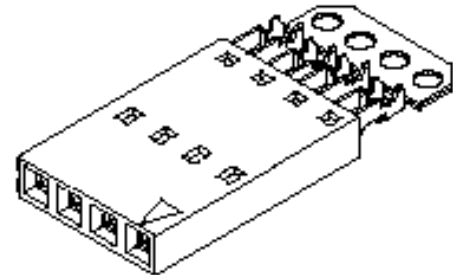


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0014562181
Status: Active
Overview: cgrid_sl_products
Description: 2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 24, 0.38µm (15µ") Gold (Au), 18 Circuits



Series

image - Reference only

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) 18
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 24
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
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

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SD-70400-010, SDA-70400-0526-0549

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
IDT Discrete 0621000700
Handtool Module for
SL™
Hawk™ Semi- 0623003100
Automatic Discrete
Wire Terminator for
SL

This document was generated on 05/21/2010
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10

9

8

7

6

5

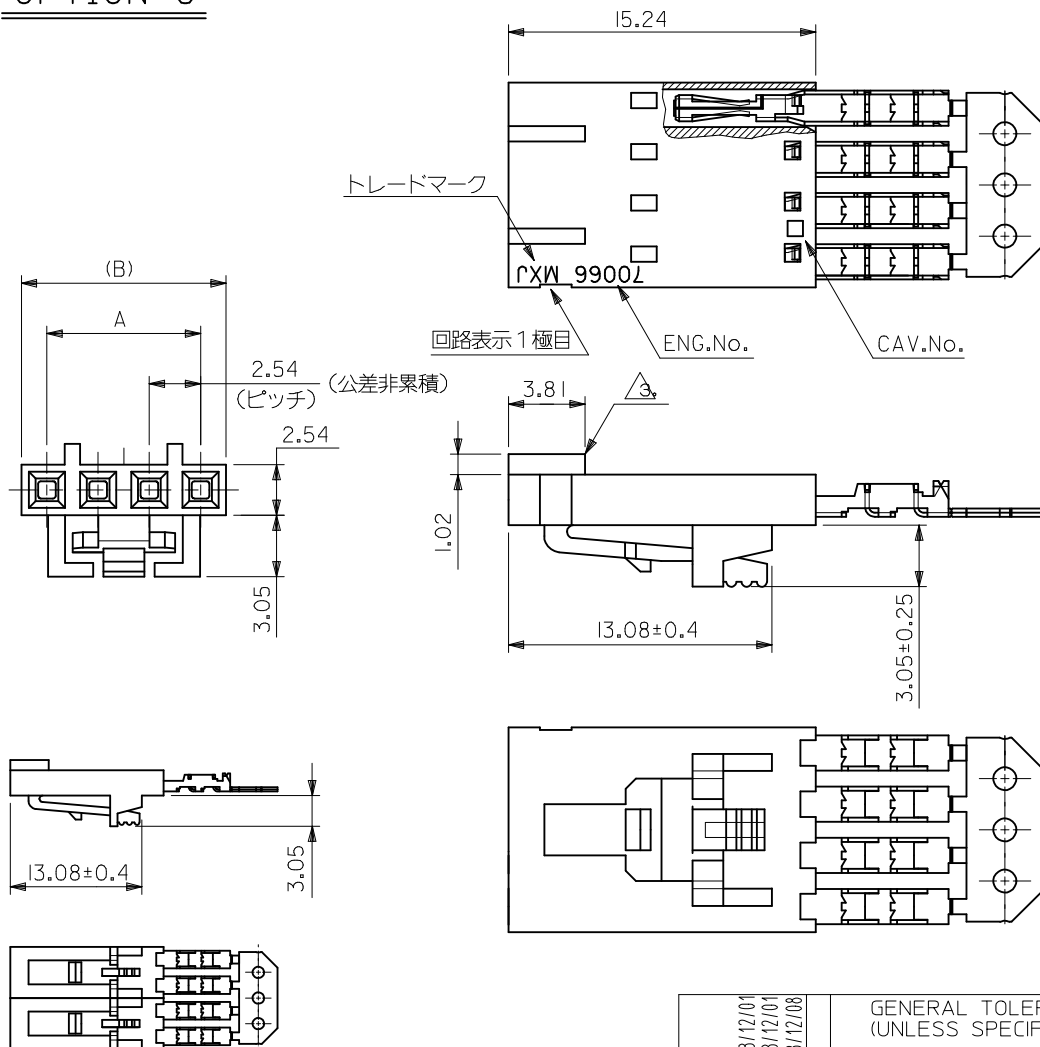
4

3

2

1

OPTION G



2極の場合

(SCALE:2-1)

注記:

1. 材料
ハウジング: ガラス入りポリエステル UL 94V-0
ターミナル: 燐青銅
2. 仕上げ
接点部: 金メッキ 0.38 μm MIN.
圧接部: 錫メッキ 1.91 μm MIN.
下地メッキ: ニッケルメッキ 1.27 μm MIN.
3. 極性リブは、2極及び3極の場合1箇所のみとする。
但し3極の場合のリブは、1極目と2極目の間とする。
4. 適合オスコネクター: 70107-****, 70018-****
5. 適合ヘッダー: 70389-****, 70391-****
6. ハウジングの色: 黒

60.96	58.42	70400-0688	24
58.42	55.88	70400-0687	23
48.26	45.72	70400-0683	19
40.64	38.10	70400-0680	16
38.10	35.56	70400-0679	15
35.56	33.02	70400-0678	14
33.02	30.48	70400-0677	13
27.94	25.40	70400-0675	11
25.40	22.86	70400-0674	10
22.86	20.32	70400-0673	9
(B)	A	MATERIAL No.	極数

REVISED EC NO: J2009-0453 DRWN: YOSHIDA 2008/12/01 CHKD: THARUYAMA 2008/12/01 APPR: NUKITA 2008/12/08	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY T. FURUHATA	DATE '87/11/17	TITLE 2.54 SINGLE ROW ASSY FEMALE I.D.CONN OPTION G -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE				
		30 OVER	± 0.3	APPROVED BY S. YAMADA	DATE	MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-70400-010		1 OF 1		
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

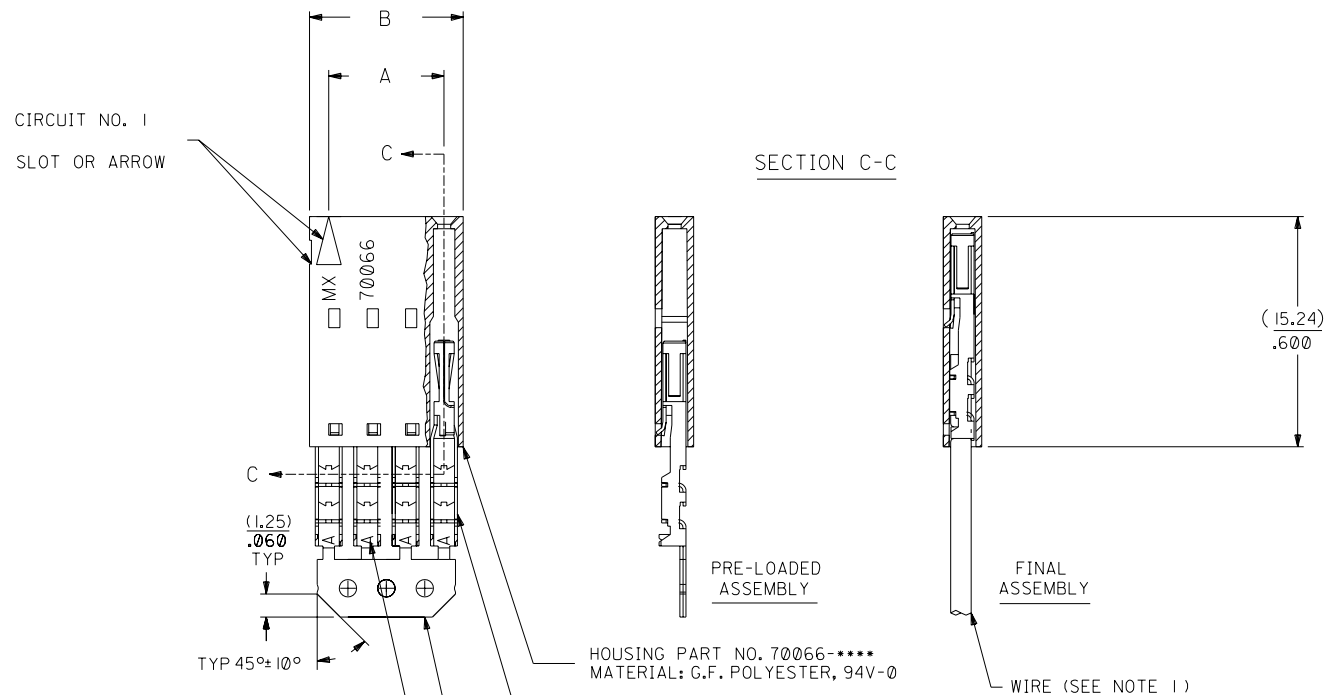
OPTION A



NOTES:

- 1) TO BE USED WITH (24) 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.



I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
A	24 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
15 GOLD	YELLOW

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.

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) 1.00	(5.05) 1.99	14-56-202 I	A-70400-0526
3	(5.08) 2.00	(7.59) 2.99	14-56-203 I	A-70400-0527
4	(7.62) 3.00	(10.13) 3.99	14-56-204 I	A-70400-0528
5	(10.16) 4.00	(12.67) 4.99	14-56-205 I	A-70400-0529
6	(12.70) 5.00	(15.21) 5.99	14-56-206 I	A-70400-0530
7	(15.24) 6.00	(17.75) 6.99	14-56-207 I	A-70400-0531
8	(17.78) 7.00	(20.29) 7.99	14-56-208 I	A-70400-0532
9	(20.32) 8.00	(22.83) 8.99	14-56-209 I	A-70400-0533
10	(22.86) 9.00	(25.37) 9.99	14-56-210 I	A-70400-0534
11	(25.54) 1.00	(27.91) 1.09	14-56-211 I	A-70400-0535
12	(27.94) 1.10	(30.45) 1.19	14-56-212 I	A-70400-0536
13	(30.48) 1.20	(32.99) 1.29	14-56-213 I	A-70400-0537
14	(33.02) 1.30	(35.53) 1.39	14-56-214 I	A-70400-0538
15	(35.56) 1.40	(38.07) 1.49	14-56-215 I	A-70400-0539
16	(38.01) 1.50	(40.61) 1.59	14-56-216 I	A-70400-0540
17	(40.64) 1.60	(43.15) 1.69	14-56-217 I	A-70400-0541
18	(43.18) 1.70	(45.69) 1.79	14-56-218 I	A-70400-0542
19	(45.72) 1.80	(48.23) 1.89	14-56-219 I	A-70400-0543
20	(48.26) 1.90	(50.77) 1.99	14-56-220 I	A-70400-0544
21	(50.80) 2.00	(53.31) 2.09	14-56-221 I	A-70400-0545
22	(53.34) 2.10	(55.85) 2.19	14-56-222 I	A-70400-0546
23	(55.88) 2.20	(58.39) 2.29	14-56-223 I	A-70400-0547
24	(58.42) 2.30	(60.93) 2.39	14-56-224 I	A-70400-0548
25	(60.96) 2.40	(63.47) 2.49	14-56-225 I	A-70400-0549

E		REVISED PER ECR NO. UB2110 10-17-88 AAB		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 1/2^\circ$		 =  = REVISE ONLY ON CAD SYSTEM										
F	LEAD FREE UCP2004-1769 RWHITE 04/03/17	D	REVISE PER ECR #UB8110 2/3/88 MJM	<table><tr><td>3 PLACE</td><td>$\pm .010$</td><td>---</td></tr><tr><td>2 PLACE</td><td>$\pm .014$</td><td>$\pm .025$</td></tr><tr><td>1 PLACE</td><td>---</td><td>$\pm .035$</td></tr></table>		3 PLACE	$\pm .010$	---	2 PLACE	$\pm .014$	$\pm .025$	1 PLACE	---	$\pm .035$	TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2,54)"/100 GRID)	
3 PLACE	$\pm .010$	---														
2 PLACE	$\pm .014$	$\pm .025$														
1 PLACE	---	$\pm .035$														
E1	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH	C	REDRAWN ON CAD EC# 8842 5/8/86 W.Z.	DRIFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		 MOLEX INCORPORATED SHEET NO. DATE LISLE, ILL. 68932 U.S.A. 10/09/84										
LTR.	REVISIONS	LTR.	REVISIONS	DRWG. BY: WAZ CHW'D BY: WAZ APP'D BY: SCALE 4:1		PART NO. SEE CHART DRWG. NO. SDA-70400-0526-0549										
				FILE NAME: 204000A04X THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. A	SIZE C									