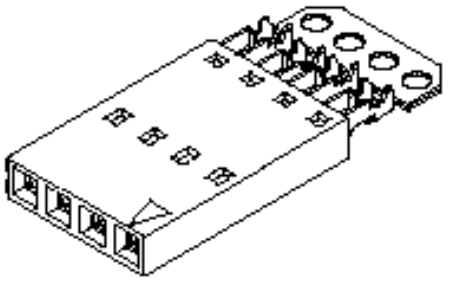
This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0014562201
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), 20 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)	20
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
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-Automatice Discrete	0011201337

Material Info

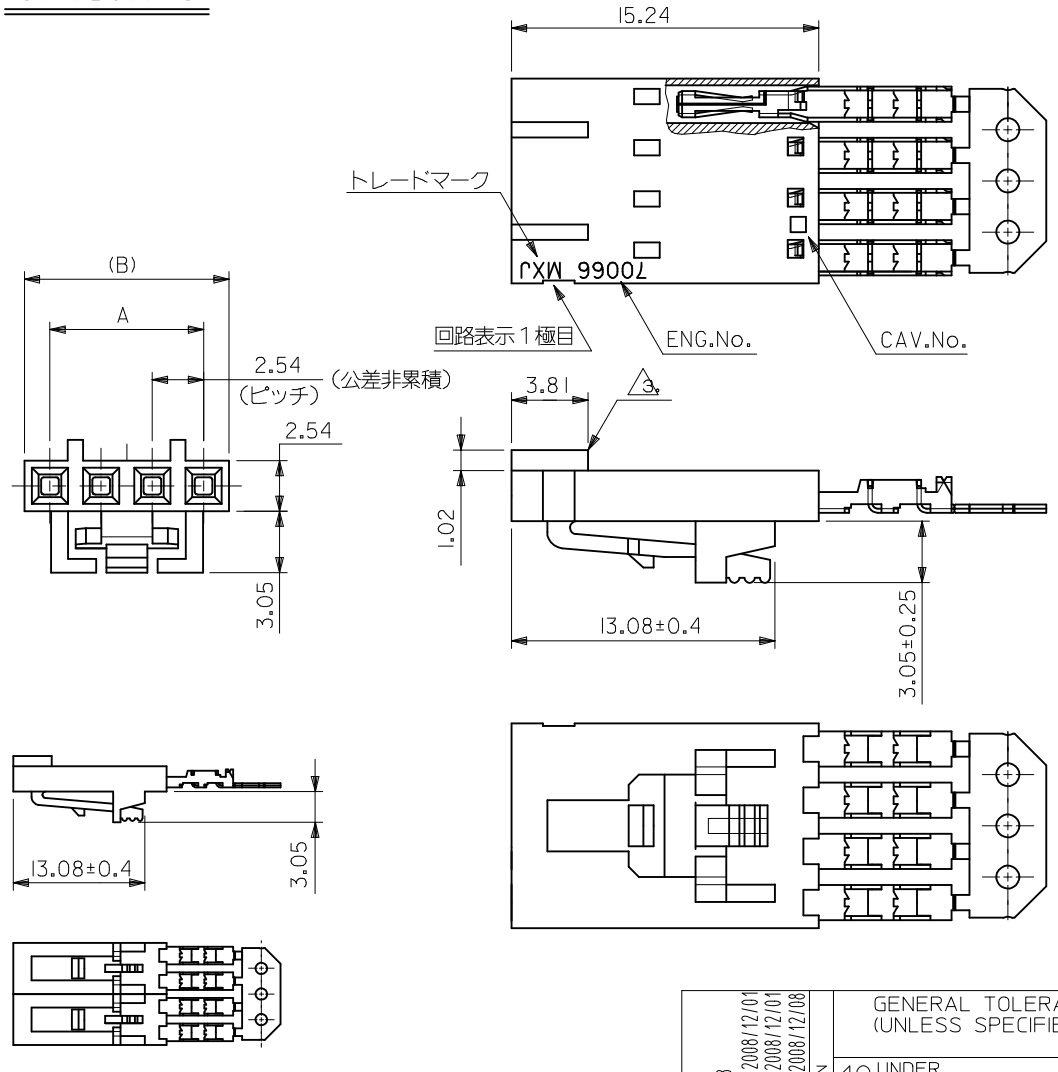
Old Part Number	70400-0544

Reference - Drawing Numbers

Product Specification	PS-70400
Sales Drawing	SD-70400-010, SDA-70400-0526-0549

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



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

(B)	A	MATERIAL No.	極数
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

REVISED
EC NO: J2009-0453 2008/12/01
DRWN:YOSHIDAM 2008/12/01
CH'KD:THARUYAMA 2008/12/08
APPR:NUKITA
DESCRIPTION
REV D

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: T.FURUHATA DATE: '87/11/17
CHECKED BY: M.SASAO DATE:
APPROVED BY: S.YAMADA DATE:
MATERIAL NO.: SEE TABLE

TITLE: 2.54 SINGLE ROW ASSY FEMALE I.D.CONN OPTION G -LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.: SD-70400-010
SHEET NO.: 1 OF 1

SIZE A3

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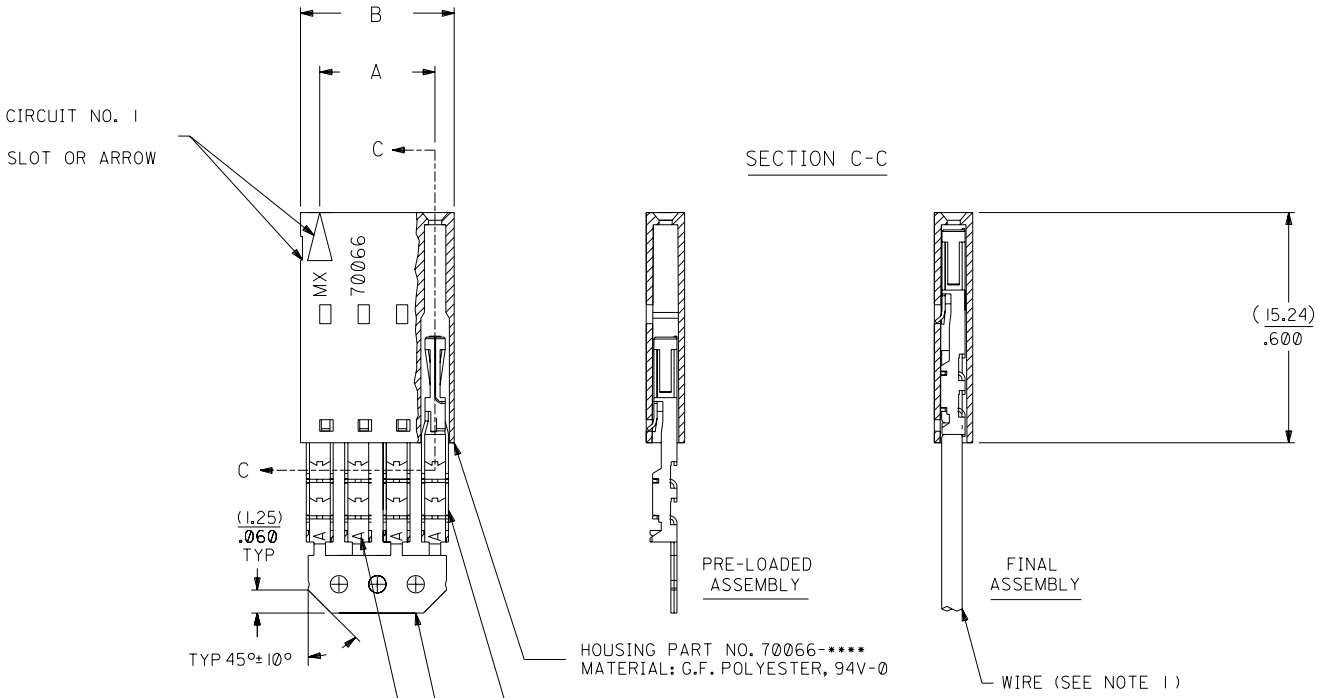
OPTION A



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.

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-2021	A-70400-0526
3	(5.08) .200	(7.59) .299	14-56-2031	A-70400-0527
4	(7.62) .300	(10.13) .399	14-56-2041	A-70400-0528
5	(10.16) .400	(12.67) .499	14-56-2051	A-70400-0529
6	(12.70) .500	(15.21) .599	14-56-2061	A-70400-0530
7	(15.24) .600	(17.75) .699	14-56-2071	A-70400-0531
8	(17.78) .700	(20.29) .799	14-56-2081	A-70400-0532
9	(20.32) .800	(22.83) .899	14-56-2091	A-70400-0533
10	(22.86) .900	(25.37) .999	14-56-2101	A-70400-0534
11	(25.54) 1.000	(27.91) 1.099	14-56-2111	A-70400-0535
12	(27.94) 1.100	(30.45) 1.199	14-56-2121	A-70400-0536
13	(30.48) 1.200	(32.99) 1.299	14-56-2131	A-70400-0537
14	(33.02) 1.300	(35.53) 1.399	14-56-2141	A-70400-0538
15	(35.56) 1.400	(38.07) 1.499	14-56-2151	A-70400-0539
16	(38.01) 1.500	(40.61) 1.599	14-56-2161	A-70400-0540
17	(40.64) 1.600	(43.15) 1.699	14-56-2171	A-70400-0541
18	(43.18) 1.700	(45.69) 1.799	14-56-2181	A-70400-0542
19	(45.72) 1.800	(48.23) 1.899	14-56-2191	A-70400-0543
20	(48.26) 1.900	(50.77) 1.999	14-56-2201	A-70400-0544
21	(50.80) 2.000	(53.31) 2.099	14-56-2211	A-70400-0545
22	(53.34) 2.100	(55.85) 2.199	14-56-2221	A-70400-0546
23	(55.88) 2.200	(58.39) 2.299	14-56-2231	A-70400-0547
24	(58.42) 2.300	(60.93) 2.399	14-56-2241	A-70400-0548
25	(60.96) 2.400	(63.47) 2.499	14-56-2251	A-70400-0549



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.

LTR.	REVISIONS	LTR.	REVISIONS
		E	REVISED PER ECR NO. U82110 10-17-88 AAB
F	LEAD FREE UCP2004-1769 RWHITE 04/03/17	D	REVISE PER ECR #U80110 2/3/88 MJM
E1	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH	C	REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.

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

MFG. | SH. | REV.

▽ = ▼ = 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 10/09/84

PART NO. SEE CHART | DRWG. NO. SDA-70400-0526-0549

FILE NAME S70400AX4

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DIV. DA | SIZE C