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Part Number:

0014562227

Status:

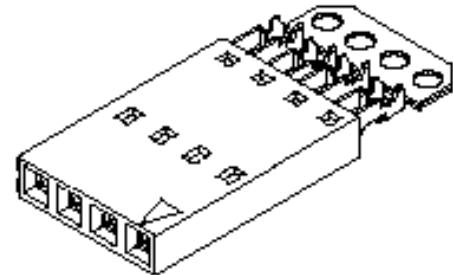
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 24, 0.76µm (30µ") Gold (Au), 22 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)	22
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)	30
Plating min: Mating (µm)	0.75
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	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

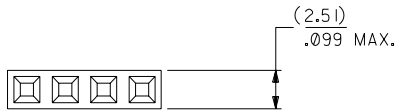
Material Info

Old Part Number	70400-1071
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-1051-1074

Wire Terminator for SL - Rebuilt US*	
Hawk™ Ribbon	<u>0623003000</u>
Cable Terminator for SL without Break-off	
Hawk™ Semi- Automatic Discrete	<u>0623004900</u>
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- Automatic Discrete	<u>0623003100</u>
Wire Terminator for SL	

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OPTION A

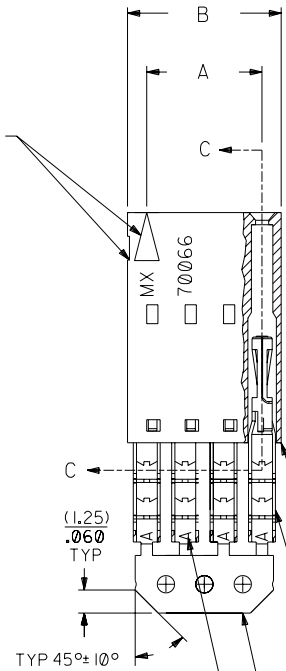


NOTES:

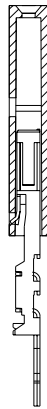
- 1) TO BE USED WITH (24) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTERS.
- 5) REFER 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.

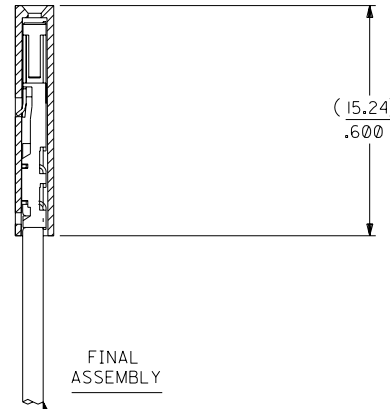
CIRCUIT NO. 1
SLOT OR ARROW



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-***

30 GOLD - .000030 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
A	24 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
30 GOLD	RED

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-2027	A-70400-1051
3	(5.08) .200	(7.59) .299	14-56-2037	A-70400-1052
4	(7.62) .300	(10.13) .399	14-56-2047	A-70400-1053
5	(10.16) .400	(12.67) .499	14-56-2057	A-70400-1054
6	(12.70) .500	(15.21) .599	14-56-2067	A-70400-1055
7	(15.24) .600	(17.75) .699	14-56-2077	A-70400-1056
8	(17.78) .700	(20.29) .799	14-56-2087	A-70400-1057
9	(20.32) .800	(22.83) .899	14-56-2097	A-70400-1058
10	(22.86) .900	(25.37) .999	14-56-2107	A-70400-1059
11	(25.54) 1.000	(27.91) 1.099	14-56-2117	A-70400-1060
12	(27.94) 1.100	(30.45) 1.199	14-56-2127	A-70400-1061
13	(30.48) 1.200	(32.99) 1.299	14-56-2137	A-70400-1062
14	(33.02) 1.300	(35.53) 1.399	14-56-2147	A-70400-1063
15	(35.56) 1.400	(38.07) 1.499	14-56-2157	A-70400-1064
16	(38.01) 1.500	(40.61) 1.599	14-56-2167	A-70400-1065
17	(40.64) 1.600	(43.15) 1.699	14-56-2177	A-70400-1066
18	(43.18) 1.700	(45.69) 1.799	14-56-2187	A-70400-1067
19	(45.72) 1.800	(48.23) 1.899	14-56-2197	A-70400-1068
20	(48.26) 1.900	(50.77) 1.999	14-56-2207	A-70400-1069
21	(50.80) 2.000	(53.31) 2.099	14-56-2217	A-70400-1070
22	(53.34) 2.100	(55.85) 2.199	14-56-2227	A-70400-1071
23	(55.88) 2.200	(58.39) 2.299	14-56-2237	A-70400-1072
24	(58.42) 2.300	(60.93) 2.399	14-56-2247	A-70400-1073
25	(60.96) 2.400	(63.47) 2.499	14-56-2257	A-70400-1074

F		E		REVISED PER ECR NO. U82110 10-17-88 AAB		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		☒ = ☐ = TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
F		D		REVISE PER ECR #U80110 2/3/88 MJM		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		MOLEX INCORPORATED LITSE, ILL. 60532 U.S.A.	
E		C		REDRAWN ON CAD ECR# 8842 5/8/86 W.Z.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 10/10/84 DATE	
LTR.		REVISIONS		LTR.		REVISIONS		PART NO. SEE CHART SDA-70400-1051-1074	
WAZ		WAZ		WAZ		WAZ		FILE NAME S70400AX7 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	