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Part Number:

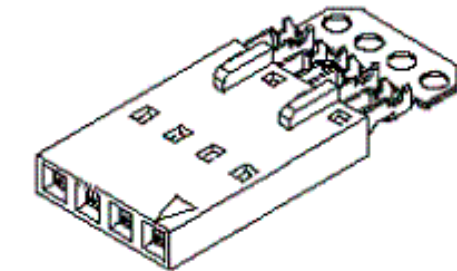
0014601032

Status:

Active

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 28, 3.81µm (150µ") Tin/Lead (SnPb), 3 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
Product Name	SL™

Physical

Circuits (Loaded)	3
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	Yes
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	1.2A
Voltage - Maximum	250V

Material Info

Old Part Number	70400-0422
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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
[70004](#) Interim Clip (Single Row), [70013](#) Interim Clip (Dual Row)

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

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-0421-0444

Wire Terminator for
SL - Rebuilt US*
Hawk™ Ribbon 0623003000
Cable Terminator for
SL without Break-off
Hawk™ Semi- 0623003100
Automatic Discrete
Wire Terminator for
SL
Hawk™ Flat Flex 0623005200
Cable Terminator for
SL with Break-off
Hawk™ Ribbon 0623005300
Cable Terminator
with for SL Break-off
Hawk™ Semi- 0623004900
Automatic Discrete
Wire Terminator
for SL - Rebuilt CE
Approved*

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OPTION D

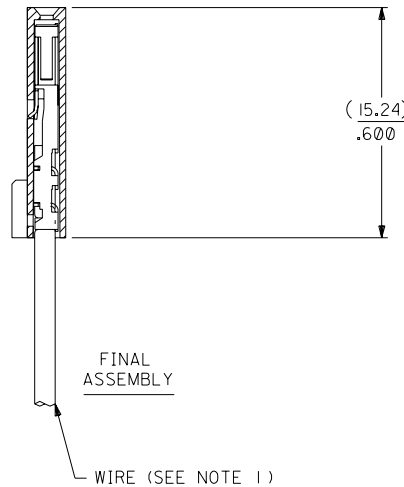
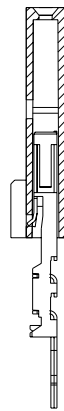
NOTES:

- 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 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. 3 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: 70004-****, 70013-****

9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



PRE-LOADED ASSEMBLY

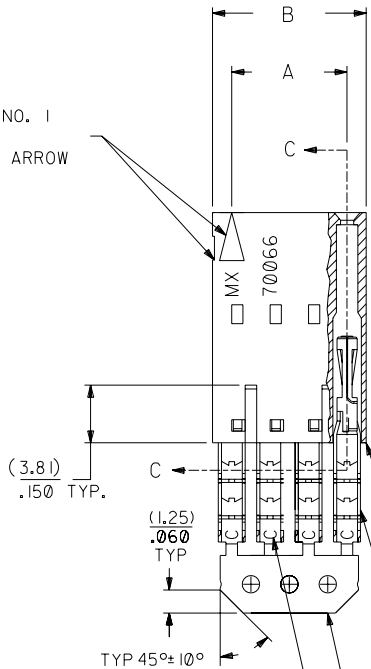
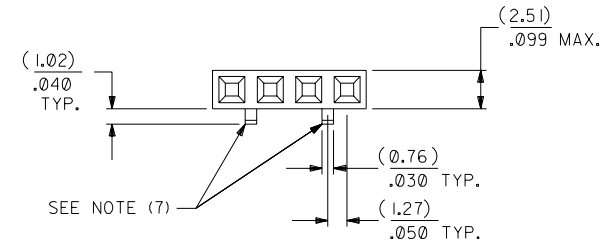
FINAL ASSEMBLY

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.

CIRCUIT NO. 1
SLOT OR ARROW



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	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-60-1022	A-70400-0421
3	(5.08) .200	(7.59) .299	14-60-1032	A-70400-0422
4	(7.62) .300	(10.13) .399	14-60-1042	A-70400-0423
5	(10.16) .400	(12.67) .499	14-60-1052	A-70400-0424
6	(12.70) .500	(15.21) .599	14-60-1062	A-70400-0425
7	(15.24) .600	(17.75) .699	14-60-1072	A-70400-0426
8	(17.78) .700	(20.29) .799	14-60-1082	A-70400-0427
9	(20.32) .800	(22.83) .899	14-60-1092	A-70400-0428
10	(22.86) .900	(25.37) .999	14-60-1102	A-70400-0429
11	(25.54) 1.000	(27.91) 1.099	14-60-1112	A-70400-0430
12	(27.94) 1.100	(30.45) 1.199	14-60-1122	A-70400-0431
13	(30.48) 1.200	(32.99) 1.299	14-60-1132	A-70400-0432
14	(33.02) 1.300	(35.53) 1.399	14-60-1142	A-70400-0433
15	(35.56) 1.400	(38.07) 1.499	14-60-1152	A-70400-0434
16	(38.01) 1.500	(40.61) 1.599	14-60-1162	A-70400-0435
17	(40.64) 1.600	(43.15) 1.699	14-60-1172	A-70400-0436
18	(43.18) 1.700	(45.69) 1.799	14-60-1182	A-70400-0437
19	(45.72) 1.800	(48.23) 1.899	14-60-1192	A-70400-0438
20	(48.26) 1.900	(50.77) 1.999	14-60-1202	A-70400-0439
21	(50.80) 2.000	(53.31) 2.099	14-60-1212	A-70400-0440
22	(53.34) 2.100	(55.85) 2.199	14-60-1222	A-70400-0441
23	(55.88) 2.200	(58.39) 2.299	14-60-1232	A-70400-0442
24	(58.42) 2.300	(60.93) 2.399	14-60-1242	A-70400-0443
25	(60.96) 2.400	(63.47) 2.499	14-60-1252	A-70400-0444

*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.

F		D		DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
LEAD FREE UCP2004-1769 RWHITE 04/03/17		REVISED PER ECR NO. U82110 10-17-88 AAB		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE		ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	
ADD CARRIER CHAMP ECN *UDT1998-0280 05/20/98 LMCGRATH		REVISE PER ECR *U80110 2/3/88 MJM		INCH METRIC		MOLEX INCORPORATED		SHEET NO. DATE	
164 PLATING WAS 102 PER ECR * U30941 07/13/93 REED		REDRAWN ON CAD ECR* 8842 5/8/86 W.Z.		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		LITSE,ILL. 60532 U.S.A.		10/09/84	
LTR. REVISIONS		LTR. REVISIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. SEE CHART		SDA-70400-0421-0444	
DRWG. BY WAZ		CHK'D. BY WAZ		FILE NAME S70400DX3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. SIZE DA C	