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Part Number:

0014600056

Status:

Active

Overview:

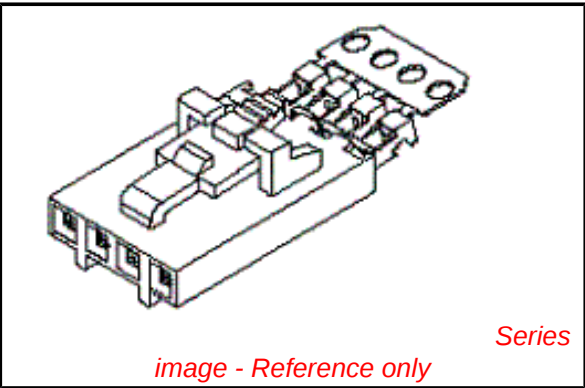
cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version G, Positive Lock, Wire Size 28, 3.81µm (150µ") Tin/Lead (SnPb), 5 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)	5
Color - Resin	Black
Durability (mating cycles max)	25
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	Yes
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	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

70018 , 70107A/B, 70543, 70545 , 70553 , 70555

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

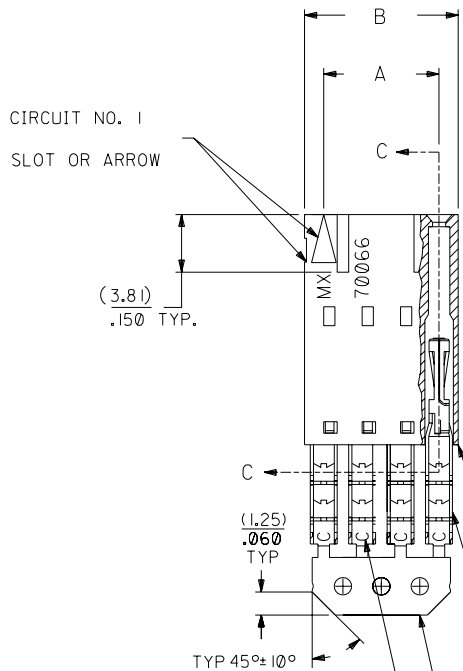
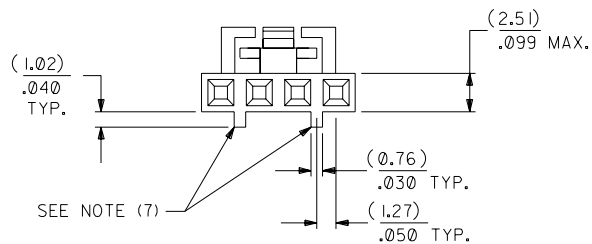
Material Info

Old Part Number	70400-0494
Reference - Drawing Numbers	
Product Specification	PS-70400
Sales Drawing	SDA-70400-0491-0514

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	
Hawk™ Semi- Automatic Discrete	<u>0623003100</u>
Wire Terminator for SL	

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OPTION G



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

HOUSING PART NO. 70066-****
MATERIAL: G.F. POLYESTER, 94V-0

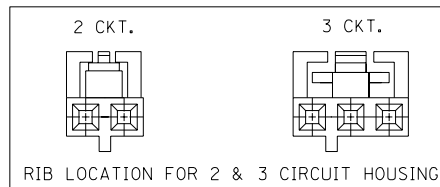
TERMINAL PART NO.70028-****
MATERIAL:PHOSPHOR BRONZE
PLATING PER ES-88-***

TIN - .000150 MIN. TIN OVER
.000050 MIN. NICKEL PLATE.

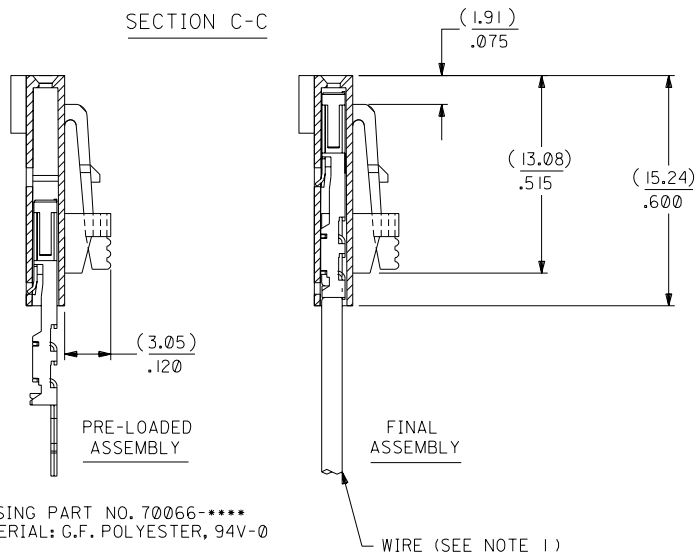
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

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-70873-0001. 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. 4 - 25 CKT'S. HAVE (2) RIBS.
- 8) TO MATE WITH MOLEX PART NO'S.: A-70373-****, A-70375-****, A-70389-****, A-70391-****, 70107-****, 70018-****, A-70543-****, A-70553-****, A-70541-****, A-70551-****, A-70545-****, A-70555-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



SECTION C-C



CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) 1.00	(5.05) 1.99	14-60-0026	A-70400-0491
3	(5.08) 2.00	(7.59) 2.99	14-60-0036	A-70400-0492
4	(7.62) 3.00	(10.13) 3.99	14-60-0046	A-70400-0493
5	(10.16) 4.00	(12.67) 4.99	14-60-0056	A-70400-0494
6	(12.70) 5.00	(15.21) 5.99	14-60-0066	A-70400-0495
7	(15.24) 6.00	(17.75) 6.99	14-60-0076	A-70400-0496
8	(17.78) 7.00	(20.29) 7.99	14-60-0086	A-70400-0497
9	(20.32) 8.00	(22.83) 8.99	14-60-0096	A-70400-0498
10	(22.86) 9.00	(25.37) 9.99	14-60-0106	A-70400-0499
11	(25.54) 1.000	(27.91) 1.099	14-60-0116	A-70400-0500
12	(27.94) 1.100	(30.45) 1.199	14-60-0126	A-70400-0501
13	(30.48) 1.200	(32.99) 1.299	14-60-0136	A-70400-0502
14	(33.02) 1.300	(35.53) 1.399	14-60-0146	A-70400-0503
15	(35.56) 1.400	(38.07) 1.499	14-60-0156	A-70400-0504
16	(38.01) 1.500	(40.61) 1.599	14-60-0166	A-70400-0505
17	(40.64) 1.600	(43.15) 1.699	14-60-0176	A-70400-0506
18	(43.18) 1.700	(45.69) 1.799	14-60-0186	A-70400-0507
19	(45.72) 1.800	(48.23) 1.899	14-60-0196	A-70400-0508
20	(48.26) 1.900	(50.77) 1.999	14-60-0206	A-70400-0509
21	(50.80) 2.000	(53.31) 2.099	14-60-0216	A-70400-0510
22	(53.34) 2.100	(55.85) 2.199	14-60-0226	A-70400-0511
23	(55.88) 2.200	(58.39) 2.299	14-60-0236	A-70400-0512
24	(58.42) 2.300	(60.93) 2.399	14-60-0246	A-70400-0513
25	(60.96) 2.400	(63.47) 2.499	14-60-0256	A-70400-0514

I LEAD FREE UCP2004-1769 RWHITE 04/03/17		H ADD CARRIER CHAMF ECR *UDT1998-0280 05/20/98 LMCGRATH 164 PLATING WAS 102 PER ECR * U30941 07/14/93 REED		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▽ = 0 TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54) / .100 GRID)		REVISE ONLY ON CAD SYSTEM	
		H REVISED PER ECR* U00049 9-26-90 MGB		INCH METRIC 3 PLACE ± 0.10 --- 2 PLACE ± 0.14 ± 0.25 1 PLACE --- ± 0.35		MOLEX INCORPORATED LITTLE ROCK, MISSOURI, U.S.A.		SHEET NO. DATE 10/09/84	
LTR. REVISIONS		LTR. REVISIONS		DRWG. BY: W.Z. APP'D. BY: SCALE: 4:1		PART NO. SEE CHART SD4-70400-0491-0514		DRWG. NO. SD4-70400-0491-0514	
				FILE NAME S70400C.X3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. A SIZE	