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Part Number:

0014567240

Status:

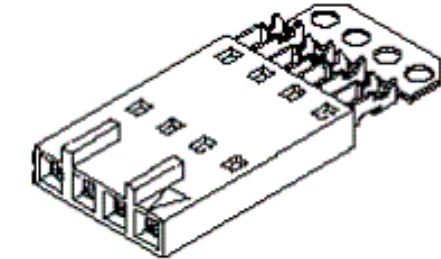
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 22, 3.81µm (150µ") Tin/Lead (SnPb), 24 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)	24
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	22
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

70544, 70546, 70554 , 70556

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 Wire Terminator for SL - Rebuilt US*	0011201337

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-70400
SDA-70400-3035-3058

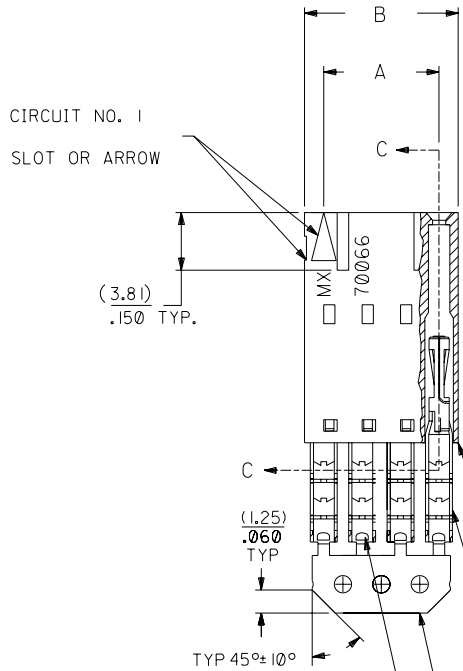
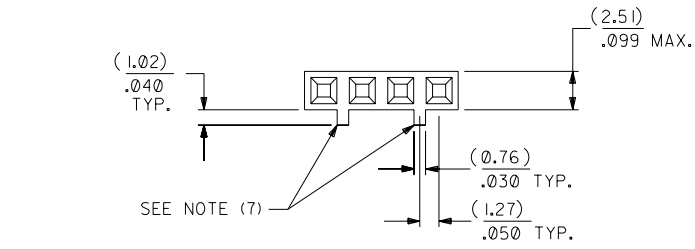
Hawk™ Ribbon Cable Terminator for SL without Break-off	<u>0623003000</u>
Hawk™ Semi-Automatic Discrete Wire Terminator for SL - Rebuilt CE Approved*	<u>0623004900</u>
Hawk™ Flat Flex Cable Terminator for SL with Break-off	<u>0623005200</u>
Hawk™ Ribbon Cable Terminator with for SL Break-off	<u>0623005300</u>
IDT Discrete Handtool Module for SL™	<u>0621000700</u>
Hawk™ Semi-Automatic Discrete Wire Terminator for SL	<u>0623003100</u>

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OPTION C

NOTES:

- 1) TO BE USED WITH (22) 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-70374-****, A-70376-****, A-70390-****, A-70392-****, A-70544-****, A-70554-****, A-70542-****, A-70552-****, A-70546-****, A-70556-****.
- 9) 2 CIRCUIT ASSEMBLIES SUPPLIED AS GROUPED PAIRS.



I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
D	22 AWG.

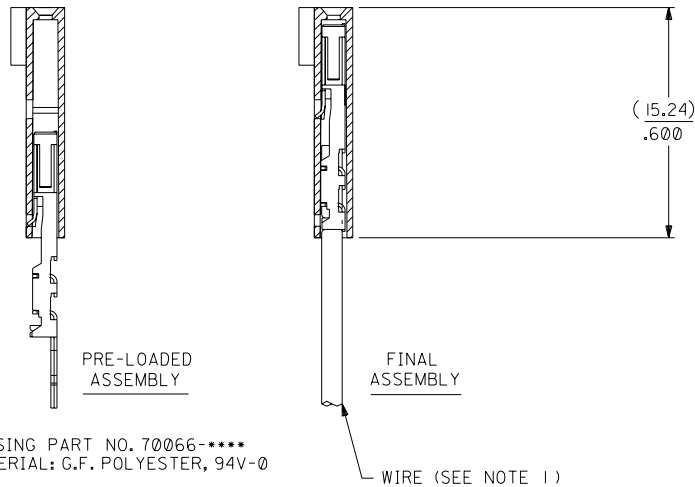
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
TIN	NONE

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

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



SECTION C-C



CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-7020	A-70400-3035
3	(5.08) .200	(7.59) .299	14-56-7030	A-70400-3036
4	(7.62) .300	(10.13) .399	14-56-7040	A-70400-3037
5	(10.16) .400	(12.67) .499	14-56-7050	A-70400-3038
6	(12.70) .500	(15.21) .599	14-56-7060	A-70400-3039
7	(15.24) .600	(17.75) .699	14-56-7070	A-70400-3040
8	(17.78) .700	(20.29) .799	14-56-7080	A-70400-3041
9	(20.32) .800	(22.83) .899	14-56-7090	A-70400-3042
10	(22.86) .900	(25.37) .999	14-56-7100	A-70400-3043
11	(25.54) 1.000	(27.91) 1.099	14-56-7110	A-70400-3044
12	(27.94) 1.100	(30.45) 1.199	14-56-7120	A-70400-3045
13	(30.48) 1.200	(32.99) 1.299	14-56-7130	A-70400-3046
14	(33.02) 1.300	(35.53) 1.399	14-56-7140	A-70400-3047
15	(35.56) 1.400	(38.07) 1.499	14-56-7150	A-70400-3048
16	(38.01) 1.500	(40.61) 1.599	14-56-7160	A-70400-3049
17	(40.64) 1.600	(43.15) 1.699	14-56-7170	A-70400-3050
18	(43.18) 1.700	(45.69) 1.799	14-56-7180	A-70400-3051
19	(45.72) 1.800	(48.23) 1.899	14-56-7190	A-70400-3052
20	(48.26) 1.900	(50.77) 1.999	14-56-7200	A-70400-3053
21	(50.80) 2.000	(53.31) 2.099	14-56-7210	A-70400-3054
22	(53.34) 2.100	(55.85) 2.199	14-56-7220	A-70400-3055
23	(55.88) 2.200	(58.39) 2.299	14-56-7230	A-70400-3056
24	(58.42) 2.300	(60.93) 2.399	14-56-7240	A-70400-3057
25	(60.96) 2.400	(63.47) 2.499	14-56-7250	A-70400-3058

*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.

E	LEAD FREE UCP2004-1769 RWHITE 04/03/22	C	REVISED PER ECR NO. U82110 10-17-88 AAB	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
DI	ADD CARRIER CHAMF ECN *UDT1998-0280 05/20/98 LMCGRATH	B	REVISE PER ECR *U80110 2/3/88 MJM	INCH 3 PLACE ± .010 --- 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35		TITLE ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)			
D	164 PLATING WAS 102 PER ECR * U30941 07/07/93 REED	A	RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.			
				DRWG. BY AAB CHK'D. BY WAZ APPR. BY SCALE 4:1		SHEET NO. 10/26/87 DATE			
L.T.R.		REVISIONS		L.T.R.		REVISIONS		L.T.R.	
						SEE CHART SDA-70400-3035-3058		DIV. D	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE C	