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Part Number:

0014564150

Status:

Active

Overview:

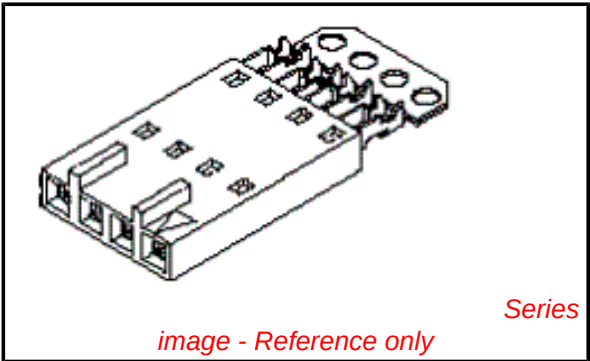
cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 24, 0.76µm (30µ") Gold (Au), 15 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)	15
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	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	24
Wire/Cable Type	Discrete Wire, Ribbon Cable
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V
Material Info	



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

Reference - Drawing Numbers

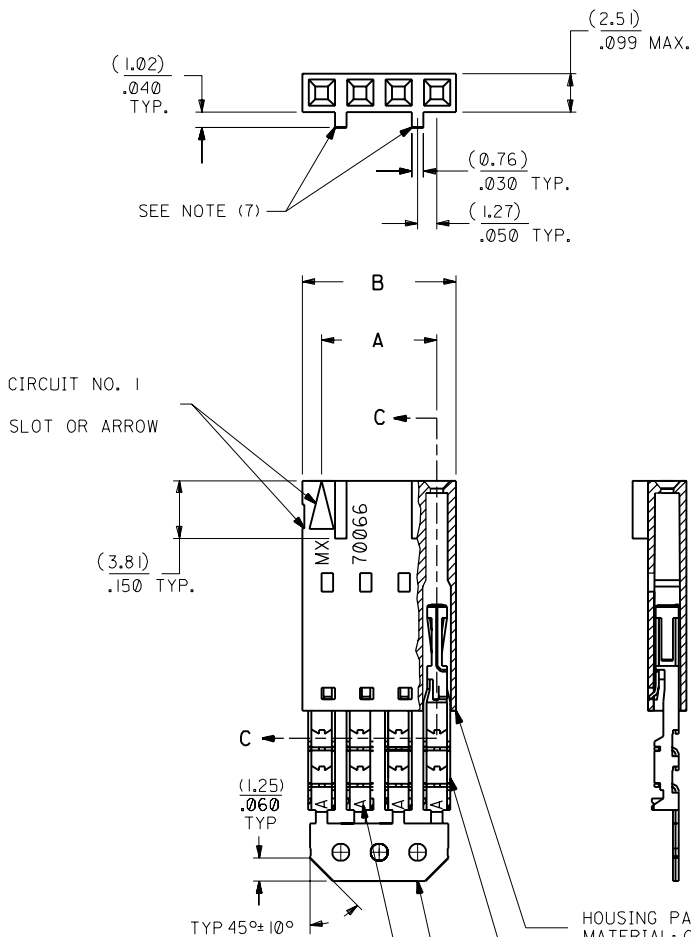
Product Specification
Sales Drawing

PS-70400
SDA-70400-1086-1109

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



I.D. SLOT CODE TO WIRE GAUGE CHART	
I.D. SLOT CODE	WIRE GAUGE
A	24 AWG.

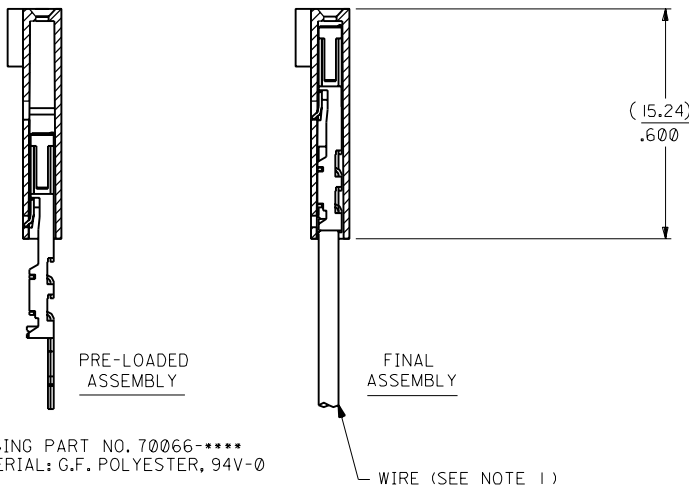
PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
574	RED

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 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.



SECTION C-C



CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-4020	A-70400-1086
3	(5.08) .200	(7.59) .299	14-56-4030	A-70400-1087
4	(7.62) .300	(10.13) .399	14-56-4040	A-70400-1088
5	(10.16) .400	(12.67) .499	14-56-4050	A-70400-1089
6	(12.70) .500	(15.21) .599	14-56-4060	A-70400-1090
7	(15.24) .600	(17.75) .699	14-56-4070	A-70400-1091
8	(17.78) .700	(20.29) .799	14-56-4080	A-70400-1092
9	(20.32) .800	(22.83) .899	14-56-4090	A-70400-1093
10	(22.86) .900	(25.37) .999	14-56-4100	A-70400-1094
11	(25.54) 1.000	(27.91) 1.099	14-56-4110	A-70400-1095
12	(27.94) 1.100	(30.45) 1.199	14-56-4120	A-70400-1096
13	(30.48) 1.200	(32.99) 1.299	14-56-4130	A-70400-1097
14	(33.02) 1.300	(35.53) 1.399	14-56-4140	A-70400-1098
15	(35.56) 1.400	(38.07) 1.499	14-56-4150	A-70400-1099
16	(38.01) 1.500	(40.61) 1.599	14-56-4160	A-70400-1100
17	(40.64) 1.600	(43.15) 1.699	14-56-4170	A-70400-1101
18	(43.18) 1.700	(45.69) 1.799	14-56-4180	A-70400-1102
19	(45.72) 1.800	(48.23) 1.899	14-56-4190	A-70400-1103
20	(48.26) 1.900	(50.77) 1.999	14-56-4200	A-70400-1104
21	(50.80) 2.000	(53.31) 2.099	14-56-4210	A-70400-1105
22	(53.34) 2.100	(55.85) 2.199	14-56-4220	A-70400-1106
23	(55.88) 2.200	(58.39) 2.299	14-56-4230	A-70400-1107
24	(58.42) 2.300	(60.93) 2.399	14-56-4240	A-70400-1108
25	(60.96) 2.400	(63.47) 2.499	14-56-4250	A-70400-1109

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	± .010	INCH	METRIC
2 PLACE	± .014	± 0.25	
1 PLACE	---	± 0.35	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRAWN BY	WAZ	CHECKED BY	WAZ
APP'D. BY		SCALE	4 : 1
LTR.	REVISIONS	LTR.	REVISIONS
EI	ADD CARRIER CHAMF ECN #UDT1998-0280 05/20/98 LMCGRATH	C	REDRAWN ON CAD ECR* 8842 5/8/86 W.Z.
E	REVISED PER ECR NO. U82110 10-17-88 BJS	D	REVISE PER ECR #U80110 2/3/88 NJM

MFG. SH. REV.		REVISE ONLY ON CAD SYSTEM	
TITLE	ASSEMBLY, SL CONNECTOR (SINGLE ROW- (2.54)/.100 GRID)	SHEET NO.	DATE
135E.JLL.	60532	U.S.A.	10/10/84
MOLEX INCORPORATED		SHEET NO.	
135E.JLL.	60532	U.S.A.	10/10/84
SEE CHART		SDA-70400-1086-1109	
FILE NAME	574000CKT	DIV.	SIZE
		DA	C