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Part Number:

0014567024

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version A, Nonpolarized, Wire Size 22, 0.38µm (15µ") Gold (Au), 2 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)	2
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)	15
Plating min: Mating (µm)	0.375
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	22
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

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

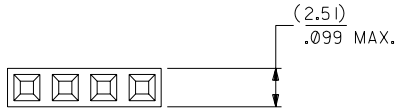
Description	Product #
Hawk Semi-Automatic Discrete	0011201337

Old Part Number	70400-3175	Wire Terminator for SL - Rebuilt US*
Reference - Drawing Numbers		Hawk™ Ribbon <u>0623003000</u>
Product Specification	PS-70400	Cable Terminator for SL without Break-off
Sales Drawing	SDA-70400-3175-3198	Hawk™ Semi- <u>0623004900</u> Automatic Discrete
		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- <u>0623003100</u> Automatic Discrete
		Wire Terminator for SL

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OPTION A

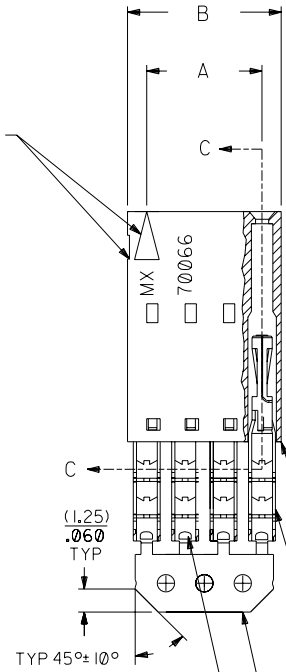


NOTES:

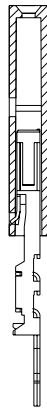
- 1) TO BE USED WITH (22) AWG. STRANDED WIRE WITH (1.35)/.053 DIA. MAX. INSULATION.
- 2) SEE CHART FOR CIRCUIT SIZES.
- 3) STANDARD PACKAGING PER PK-70400-0001. OPTIONAL PACKAGING MAY BE AVAILABLE, REQUEST DWG. PK-70400
- 4) PARTS STACKABLE END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTERS.
- 5) REFER 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.

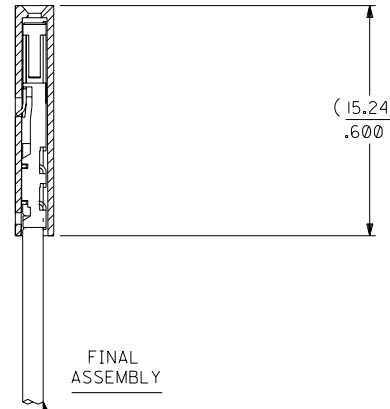
CIRCUIT NO. 1
SLOT OR ARROW



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-***

15 GOLD - .000015 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
D	22 AWG.

PLATING CODE (STRIPE ON CARRIER STRIP)	
PLATING	COLOR
15 GOLD	YELLOW

CKT. SIZE	A	B	EDP. NO.	ENG. NO.
2	(2.54) .100	(5.05) .199	14-56-7024	A-70400-3175
3	(5.08) .200	(7.59) .299	14-56-7034	A-70400-3176
4	(7.62) .300	(10.13) .399	14-56-7044	A-70400-3177
5	(10.16) .400	(12.67) .499	14-56-7054	A-70400-3178
6	(12.70) .500	(15.21) .599	14-56-7064	A-70400-3179
7	(15.24) .600	(17.75) .699	14-56-7074	A-70400-3180
8	(17.78) .700	(20.29) .799	14-56-7084	A-70400-3181
9	(20.32) .800	(22.83) .899	14-56-7094	A-70400-3182
10	(22.86) .900	(25.37) .999	14-56-7104	A-70400-3183
11	(25.54) 1.000	(27.91) 1.099	14-56-7114	A-70400-3184
12	(27.94) 1.100	(30.45) 1.199	14-56-7124	A-70400-3185
13	(30.48) 1.200	(32.99) 1.299	14-56-7134	A-70400-3186
14	(33.02) 1.300	(35.53) 1.399	14-56-7144	A-70400-3187
15	(35.56) 1.400	(38.07) 1.499	14-56-7154	A-70400-3188
16	(38.01) 1.500	(40.61) 1.599	14-56-7164	A-70400-3189
17	(40.64) 1.600	(43.15) 1.699	14-56-7174	A-70400-3190
18	(43.18) 1.700	(45.69) 1.799	14-56-7184	A-70400-3191
19	(45.72) 1.800	(48.23) 1.899	14-56-7194	A-70400-3192
20	(48.26) 1.900	(50.77) 1.999	14-56-7204	A-70400-3193
21	(50.80) 2.000	(53.31) 2.099	14-56-7214	A-70400-3194
22	(53.34) 2.100	(55.85) 2.199	14-56-7224	A-70400-3195
23	(55.88) 2.200	(58.39) 2.299	14-56-7234	A-70400-3196
24	(58.42) 2.300	(60.93) 2.399	14-56-7244	A-70400-3197
25	(60.96) 2.400	(63.47) 2.499	14-56-7254	A-70400-3198

D		C		REVISED PER ECR NO. U82110 10-17-88 AAB		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35 INCH METRIC		3 PLACE ± .010 2 PLACE ± .014 ± 0.25 1 PLACE --- ± 0.35 INCH METRIC	
C I		A		RELEASE FOR PROD. PER ERO NO. 25421 10-26-87 AAB		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWG. BY AAB CHK'D. BY WAZ APPR. BY SCALE 4:1		MOLEX INCORPORATED LSLE, ILL. 60532 U.S.A.		SHEET NO. 10/26/87 DATE	
LTR.		LTR.		REVISIONS		REVISIONS		SEE CHART FILE NAME 74003175.DGN		ASSEMBLY, SL CONNECTOR (SINGLE ROW - (2.54)/.100 GRID) SDA-70400-3175-3198		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. DEV. DA SIZE C	