

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0510521000](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Cable Holder, Vertical, for Ribbon Cable, 10 Circuits

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-51052-001 \(PDF\)](#)
[Product Specification PS-51052-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Ribbon Cable / Wire Trap Connectors
Series [51052](#)
Component Type One Piece
Glow-Wire Compliant No
Product Name Board-In, Cable Holder

Physical

Circuits (Loaded) 10
Color - Resin Natural
Entry Angle Vertical
Lock to Mating Part None
Material - Resin Nylon
Number of Rows 1
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Bag
Pitch - Mating Interface (in) 0.098 In
Pitch - Mating Interface (mm) 2.50 mm
Polarized to Mating Part N/A
Polarized to PCB No
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +105°C
Wire Insulation Diameter 1.70mm (.067") max.
Wire Size AWG 24, 26
Wire/Cable Type Ribbon Cable

Electrical

Current - Maximum per Contact N/A
Voltage - Maximum N/A

Material Info

Reference - Drawing Numbers

Product Specification PS-51052-001, PS-51052-002, RPS-51052-003
Sales Drawing SD-51052-001

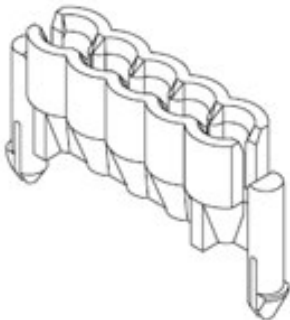


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

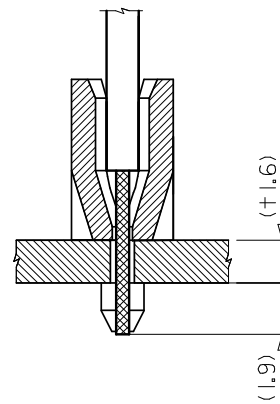
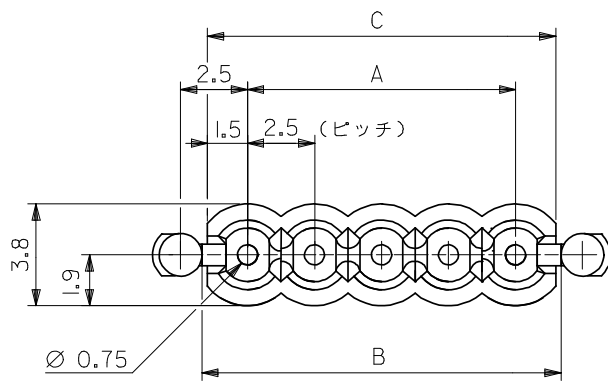
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

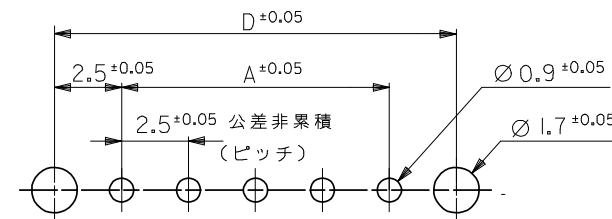
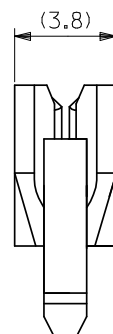
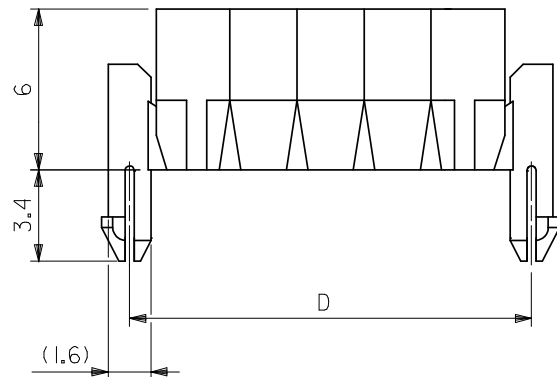
Search Parts in this Series
[51052Series](#)

Mates With
N/A

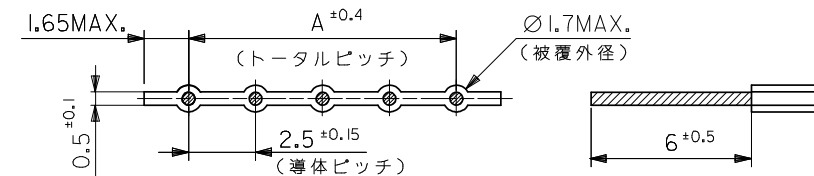
Use With
Topcoated ribbon cable



電線挿入図



基板取付穴推奨寸法
($\pm 1.6 \pm 0.05$)



適合電線推奨寸法

42.5	40.5	40.9	37.5	VO	51052-1600	16
40.0	38.0	38.4	35.0	VO	1500	15
37.5	35.5	35.9	32.5	VO	1400	14
35.0	33.0	33.4	30.0	VO	1300	13
32.5	30.5	30.9	27.5	VO	1200	12
30.0	28.0	28.4	25.0	VO	1100	11
27.5	25.5	25.9	22.5	VO	1000	10
25.0	23.0	23.4	20.0	VO	0900	9
22.5	20.5	20.9	17.5	VO	0800	8
20.0	18.0	18.4	15.0	VO	0700	7
17.5	15.5	15.9	12.5	VO	0600	6
15.0	13.0	13.4	10.0	VO	0500	5
12.5	10.5	10.9	7.5	VO	0400	4
10.0	8.0	8.4	5.0		-0300	3
7.5	5.5	5.9	2.5	VO	51052-0200	2
D	C	B	A		ENG. NO.	極数

注記

- 材料：ナイロン66，UL 94V-2
- 適合電線：2.5mmピッチリボンケーブル
AWG#24～26 錫コート平行線
- 生産国（トレードマーク）：日本（MXJ-大和，MXH-塩谷）
マレーシア（MXL）

REVISED EC NO: J2008-2948 DRWN: NAKAMURAA 2008/03/31 CHKD: T. HARUYAMA 2008/04/22 APPR: NUKITA 2008/06/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		5:1	METRIC		
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 2.5MM PITCH CABLE HOLDER (FOR 6 MM STRIP LENGTH)			
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE				
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
		ANGULAR ±3 °	M. FUKUSHIMA '97/7/14	M. FUKUSHIMA '97/7/14					
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
SEE TABLE			SD-51052-001		1 OF 2				
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

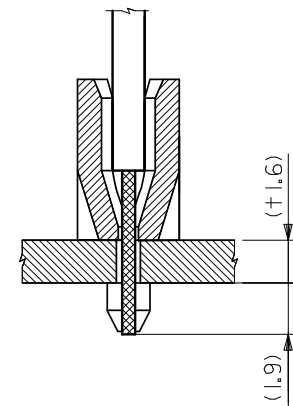
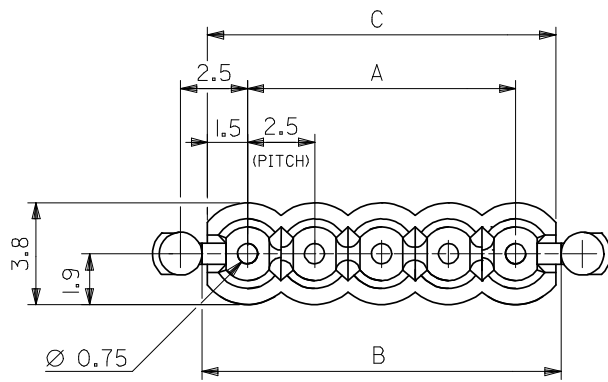
E

D

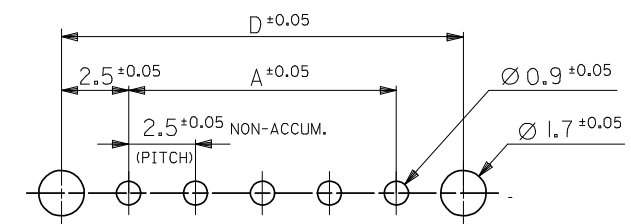
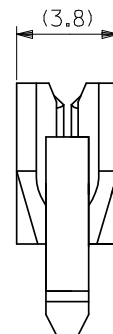
C

B

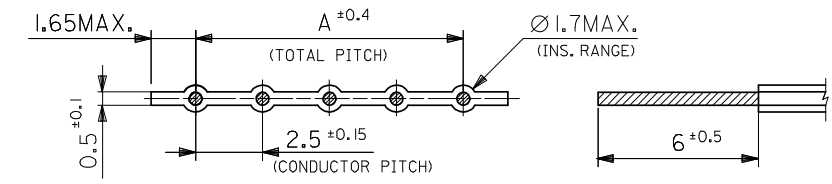
A



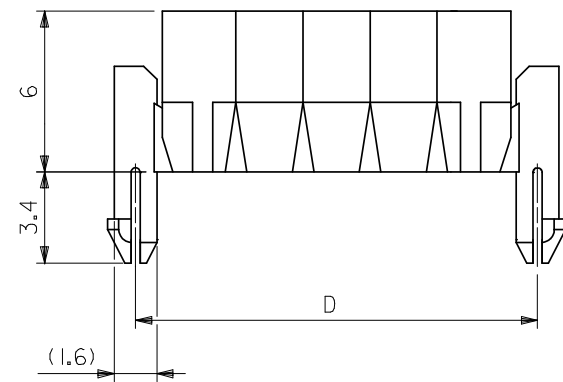
SECT.(CABLE ASS'Y)



RECOMMENDED P.C. BOARD HOLE DIM.
($\pm 1.6 \pm 0.05$)



RECOMMENDED WIRE DIM.



NOTES

1. MATERIAL : NYLON 66, UL 94V-2
2. APPLIED WIRE : 2.5mm PITCH RIBBON CABLE
AWG#24~26
TIN TOP COATED WIRE
3. PLACE OF MANUFACTURE (TRADE-MARK) :
JAPAN (MXJ-YAMATO, MXH-SHIOYA)
MALAYSIA (MXL)

42.5	40.5	40.9	37.5	VO	51052-1600	16
40.0	38.0	38.4	35.0	VO	1500	15
37.5	35.5	35.9	32.5	VO	1400	14
35.0	33.0	33.4	30.0	VO	1300	13
32.5	30.5	30.9	27.5	VO	1200	12
30.0	28.0	28.4	25.0	VO	1100	11
27.5	25.5	25.9	22.5	VO	1000	10
25.0	23.0	23.4	20.0	VO	0900	9
22.5	20.5	20.9	17.5	VO	0800	8
20.0	18.0	18.4	15.0	VO	0700	7
17.5	15.5	15.9	12.5	VO	0600	6
15.0	13.0	13.4	10.0	VO	0500	5
12.5	10.5	10.9	7.5	VO	0400	4
10.0	8.0	8.4	5.0		-0300	3
7.5	5.5	5.9	2.5	VO	51052-0200	2
D	C	B	A		ENG. NO.	CKT.

REVISED EC NO: J2008-2948 DRAWN:NAKAMURAA 2008/03/31 CHKD:T. HARUYAMA 2008/04/22 APPR:NUKITA 2008/06/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
		10 UNDER ± 0.2		DRAWN BY DATE		TITLE 2.5MM PITCH CABLE HOLDER (FOR 6MM STRIP LENGTH)						
		10 OVER 30 UNDER ± 0.25		CHECKED BY DATE								
		30 OVER ± 0.3		APPROVED BY DATE		MOLEX MOLEX INCORPORATED						
		ANGULAR ±3 °		MATERIAL NO.						DOCUMENT NO.		SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-51052-001					2 OF 2		
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						