

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0521470210](#)  
**Status:** **Active**  
**Description:** 2.00mm (.079") Pitch Wire Trap, Pull-Cover Style, Vertical, 2 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-52147-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family Ribbon Cable / Wire Trap Connectors  
Series [52147](#)  
Comments Pull-Cover  
Component Type One Piece  
Glow-Wire Compliant No  
Product Name Board-In, Wire Trap

**Physical**

Circuits (Loaded) 2  
Entry Angle Vertical  
Flammability 94V-0  
Lock to Mating Part None  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Number of Rows 1  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 mm  
Packaging Type Tray  
Pitch - Mating Interface (in) 0.079 In  
Pitch - Mating Interface (mm) 2.00 mm  
Plating min: Mating (µin) 36  
Plating min: Mating (µm) 0.90  
Plating min: Termination (µin) 36  
Plating min: Termination (µm) 0.90  
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  
Termination Interface: Style Through Hole - Kinked Pin  
Wire Insulation Diameter 1.60mm (.063") max.  
Wire Size AWG 26  
Wire/Cable Type Ribbon Cable

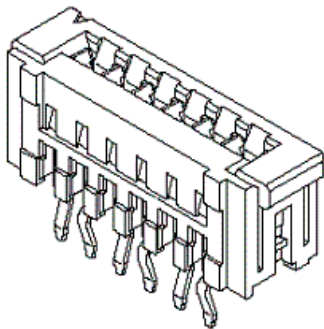
**Electrical**

Current - Maximum per Contact 2A  
Voltage - Maximum 150V

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-52147-001, RPS-52147-001, RPS-52147-002, RPS-52147-003, RPS-52147-004



*Series  
image - Reference only*

**EU RoHS**

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

**China RoHS**



**Not Reviewed**

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

Email [productcompliance@molex.com](mailto: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**  
[52147Series](#)

**Mates With**  
N/A

**Use With**  
Topcoated ribbon cable

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回路番号1用マーク  
CKT.NO.1 MARKアクチュエータ  
ACTUATORハウジング  
HOUSING

B

C

トレードマーク  
TRADE MARK

(0.65)

2  
(ピッチ)  
(PITCH)

(0.6)

A

⊕ ⊖ I X Y

注記  
NOTES

1 使用材料 : MATERIAL

ハウジング : PBT (ガラス繊維入), UL94V-0. (白)

HOUSING : PBT (GLASS FILLED), UL94V-0. (WHITE)

アクチュエータ : PBT (ガラス繊維入), UL94V-0. (白)

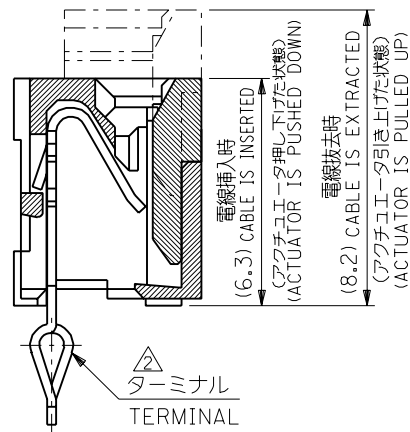
ACTUATOR : PBT (GLASS FILLED), UL94V-0. (WHITE)

ターミナル : リン青銅、錫メッキ (t=0.25)

TERMINAL : PHOS-BRO, PRE-TINNED (t=0.25)

△ 2極のみキンク無しとする。

FOR CKT 2 MUST NOT BE KINK

ターミナル  
TERMINAL

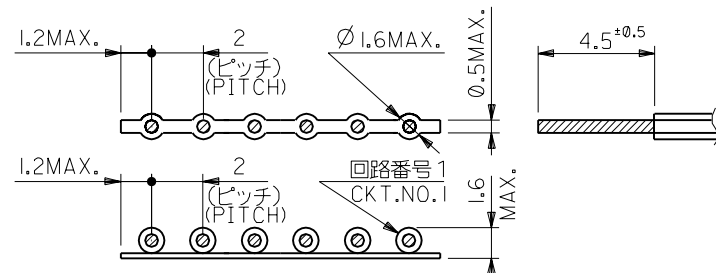
5.2±0.3

6.3±0.3

3.3±0.5

1.05

Y



電線適合寸法

APPLICABLE WIRE



基板取付穴推奨寸法 (t=1.6)

RECOMMENDED P.C.BOARD DIM.

|      |    |    |            |            |
|------|----|----|------------|------------|
| 39.3 | 38 | 32 | 52147-1710 | 17         |
| 37.3 | 36 | 30 | -1610      | 16         |
| 35.3 | 34 | 28 | -1510      | 15         |
| 33.3 | 32 | 26 | -1410      | 14         |
| 31.3 | 30 | 24 | -1310      | 13         |
| 29.3 | 28 | 22 | -1210      | 12         |
| 27.3 | 26 | 20 | -1110      | 11         |
| 25.3 | 24 | 18 | -1010      | 10         |
| 23.3 | 22 | 16 | -0910      | 9          |
| 21.3 | 20 | 14 | -0810      | 8          |
| 19.3 | 18 | 12 | -0710      | 7          |
| 17.3 | 16 | 10 | -0610      | 6          |
| 15.3 | 14 | 8  | -0510      | 5          |
| 13.3 | 12 | 6  | -0410      | 4          |
| 11.3 | 10 | 4  | -0310      | 3          |
| 9.3  | 8  | 2  | 52147-0210 | 2          |
| C    | B  | A  | ENG.NO.    | 極数<br>CKT. |

材料  
MATERIAL注記参照  
SEE NOTESmolex MOLEX-JAPAN CO.,LTD.  
日本モレックス株式会社仕上げ  
FINISH適用電線範囲  
WIRE RANGE被覆外径  
INS. RANGEDRAWN BY '94/9/28 CHK'D BY '94/9/28  
T.NIITSU Y.M.HIRAMOTOAPP'D BY '94/9/29 尺度  
M.FUKUSHIMA SCALE

REVISE ONLY ON CAD SYSTEM

TITLE 名称  
2.0 NEW MINI  
WIRE TRAP CONN.(ST.)DWG. NO.  
SD-52147-\*\*\*10REV  
C

| 角度 ANGLE                   | ±3°   |
|----------------------------|-------|
| 30以上<br>OVER               | ±0.3  |
| 10以上 30未満<br>OVER UNDER    | ±0.25 |
| 10未満<br>UNDER              | ±0.2  |
| 一般公差<br>GENERAL TOLERANCES |       |

|           |                         |             |            |
|-----------|-------------------------|-------------|------------|
| 記号<br>LTR | 変更内容<br>REVISION RECORD | DR.<br>CHK. | 日付<br>DATE |
|-----------|-------------------------|-------------|------------|

|            |          |
|------------|----------|
| T.N<br>H.H | '94/9/28 |
|------------|----------|

|                                  |             |
|----------------------------------|-------------|
| APP'D BY '94/9/29<br>M.FUKUSHIMA | 尺度<br>SCALE |
|----------------------------------|-------------|