

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0549280570](#)  
**Status:** **Active**  
**Description:** 7.50mm (.295") Pitch MTC™ Spring Type Receptacle, 5 Circuits Version, White Color

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51241-005 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Terminal Blocks  
 Series [54928](#)  
 Application Wire-to-Board  
 Component Type Plug  
 Product Name MTC™  
 Type Euro Block

**Physical**

Circuits (Loaded) 5  
 Circuits (maximum) 5  
 Color - Resin White  
 Entry Angle Vertical  
 Flammability 94V-0  
 Lock to Mating Part Yes  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Tin-Lead  
 Material - Plating Termination Tin-Lead  
 Material - Resin Polyester  
 Number of Rows 1  
 Orientation Vertical  
 Panel Mount No  
 Pitch - Mating Interface (in) 0.295 In  
 Pitch - Mating Interface (mm) 7.50 mm  
 Pitch - Term. Interface (in) 0.295 In  
 Pitch - Term. Interface (mm) 7.50 mm  
 Plating min: Mating (µin) 120  
 Plating min: Mating (µm) 3  
 Plating min: Termination (µin) 120  
 Plating min: Termination (µm) 3  
 Polarized to Mating Part Yes  
 Shrouded Fully  
 Stackable No  
 Temperature Range - Operating -30°C to +85°C  
 Termination Interface: Style Surface Mount  
 Wire Size AWG 14, 16, 18, 20, 22, 24, 26

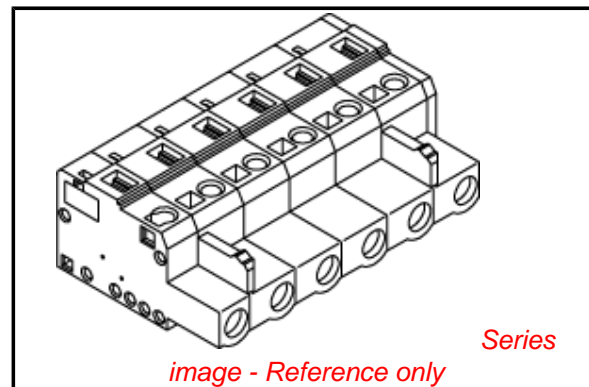
**Electrical**

Current - Maximum per Contact 16A  
 Voltage - Maximum 400V

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-51241-005



**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](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**

[54928Series](#)

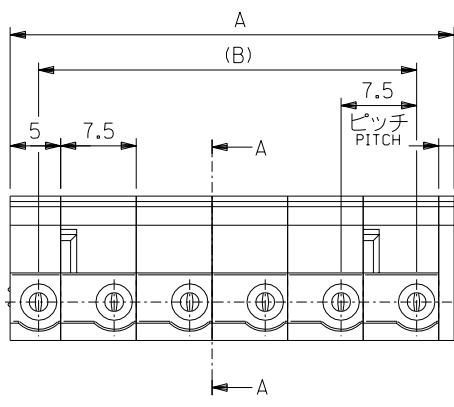
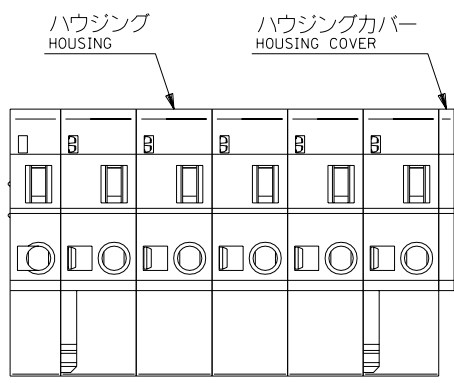
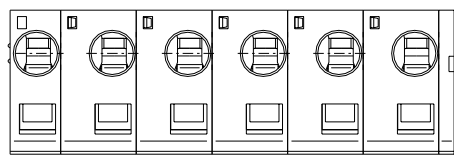
**Mates With**

[55759](#)

This document was generated on 05/10/2010

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DWG. NO. SD-54928-004



注記  
NOTES:

1. 材質  
MATERIAL

- ハウジング, ハウジングカバー  
HOUSING, HOUSING COVER  
ガラス無しポリブチレンテレフタレート, UL94V-0  
POLYBUTYLENE TELEPHTHALATE, GLASS NON FILLED, UL94V-0
- 色: 表参照  
COLOR: REFER TO THE CHART
- ターミナル  
TERMINAL  
銅合金  
COPPER ALLOY
- スプリング  
SPRING  
ステンレス  
STAINLESS STEEL

2. メッキ仕様  
PLATING

- 鍍メッキ: 1.0µm MIN.  
TIN PLATING: 1.0 MICROMETER MINIMUM
- ニッケルメッキ: 1.0µm MIN. (下地メッキ)  
NICKEL PLATING: 1.0 MICROMETER MINIMUM (UNDER PLATING)

3. 適用電線範囲: AWG#14~#26  
APPLICABLE WIRE: AWG#14~#26

4. 被覆外径: φ3.8 MAX.  
INS. DIA.: φ3.8 MAX.

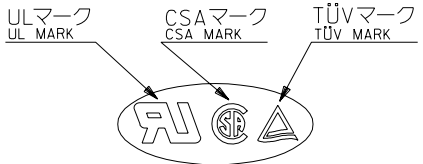
5. 適合レバー: 54932 シリーズ  
APPLIED LEVER: 54932 SERIES

製品番号  
MATERIAL NO.  
54928-\*\*\*7\*

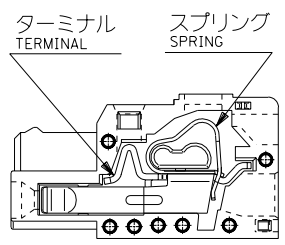
極数 CIRCUIT SIZE	色 COLOR
アイボリー IVORY	0
黒 BLACK	1
灰 GRAY	5

7. 被覆剥き長さ: 8~9mm  
INSULATION STRIPPING LENGTH: 8~9mm

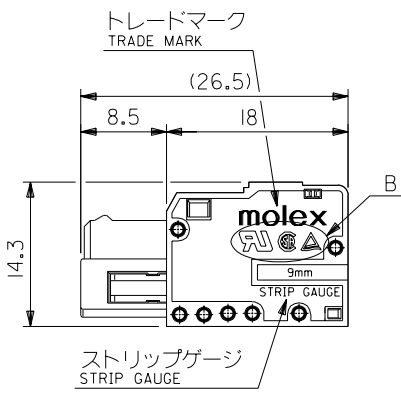
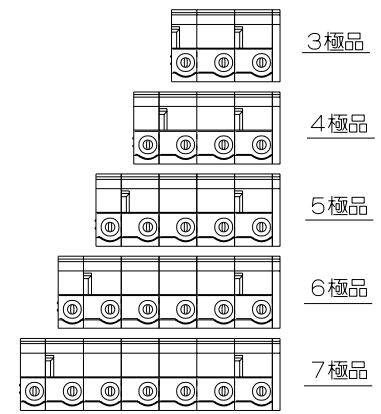
8. 本製品は 54928-\*\*\*1\* の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54928-\*\*\*1\*.



詳細 B  
DETAIL B  
(SCALE 4:1)



断面 A-A  
SECTION A-A



45	51.5	54928-077*	7
37.5	44	54928-067*	6
30	36.5	54928-057*	5
22.5	29	54928-047*	4
15	21.5	54928-037*	3
B	A	製品番号 MATERIAL NO.	極数 CIRCUITS

DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:
0	0	0	0	0

REV	DESCRIPTION	MATERIAL 材料	FINISH 仕上げ	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径
0	RELEASED EC NO. J2004-3622 DRWN: H.KAWABATA '04/04/07 CHK: K.TOJO '04/04/07 APPR: M.SASAO '04/04/07	注記参照 SEE NOTES	注記参照 SEE NOTES	注記参照 SEE NOTES	注記参照 SEE NOTES

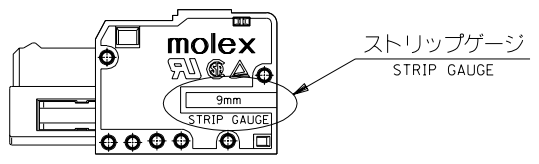
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE	DESIGN UNITS
10 UNDER 未満	±0.2	2:1	mm <input checked="" type="checkbox"/> INCH <input type="checkbox"/>
10 OVER 30 UNDER 以上 未満	±0.25		
30 OVER 以上	±0.3		
ANGLE 角度	±3°		

MODEL NO.	54928-***7*	DIMENSIONS:		SHT	REV
		mm <input type="checkbox"/> INCH <input type="checkbox"/>	mm <input checked="" type="checkbox"/> INCH <input type="checkbox"/>		
TITLE:		MTC (MULTI TERMINAL CONN.) 7.5mm PITCH REC. HS'G ASS'Y -LEAD FREE-			
DRAWN BY & DATE H.KAWABATA '04/04/07		THIRD ANGLE PROJECTION			
CHECKED BY & DATE K.TOJO '04/04/07		MOLEX MOLEX INCORPORATED			
APPROVED BY & DATE M.SASAO '04/04/07		MATERIAL NO. SD-54928-004			
CAD FILENAME SD-54928-004.S01		DRAWING NO. SD-54928-004		SHEET NO. 1 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE B

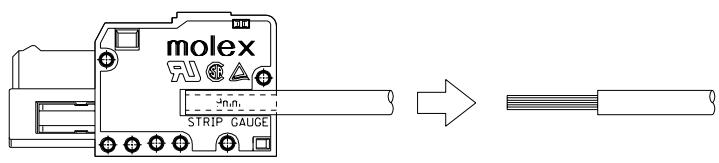
DWG. NO. SD-54928-004

8 ストリップゲージの使用方法  
USE OF STRIP GAUGE

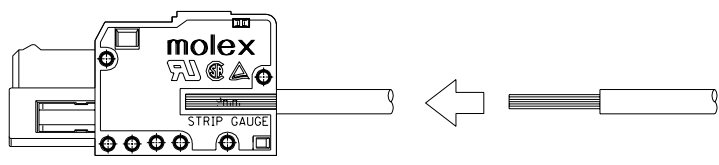
ハウジングカバーに付いているストリップゲージは、以下のご使用下さい。  
PLEASE USE THE STRIP GAUGE WHICH HAS ADHERED TO THE HOUSING COVER AS SHOWN IN THE FIGURE BELOW.



1. 電線をストリップゲージに合わせ被覆を剥く。  
THE ELECTRIC WIRE IS MATCHED TO THE STRIP GAUGE, AND STRIPPING INSULATION.



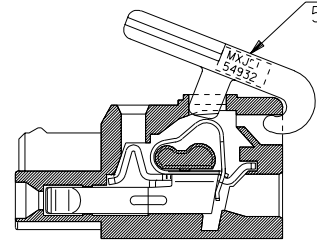
2. 既に被覆を剥いた電線をストリップゲージに合わせ被覆剥き長さを確認する。  
THE ELECTRIC WIRE WHICH HAS ALREADY PEELLED OFF INSULATION IS MATCHED TO THE STRIP GAUGE, AND THE STRIPPING LENGTH IS CONFIRMED.



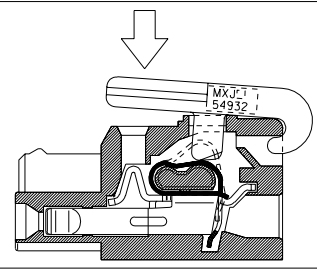
※ 被覆剥き長さ : 8 ~ 9mm  
STRIPPING LENGTH : 8 ~ 9mm

5 結線方法  
METHOD OF CONNECTING WIRES

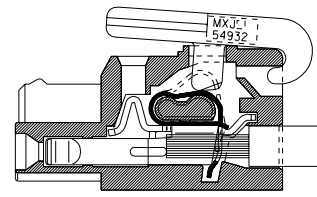
3 結線レバー  
LEVER  
54932-\*\*\*\*



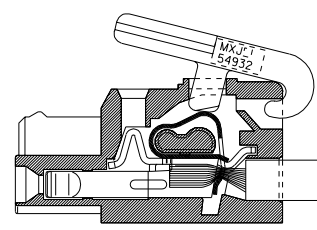
1. 結線レバーをハウジングに装着する。(脱着自在)  
THE LEVER OF CONNECTING WIRES IS INSTALLED IN THE HOUSING. (DETACHING IS FREE)



2. 結線レバーを矢印方向に押す。  
THE LEVER OF CONNECTING WIRES IS PUSHED IN THE DIRECTION OF THE ARROW.



3. 結線レバーを押したまま電線を矢印方向に挿入する。  
THE ELECTRIC WIRE IS INSERTED IN THE DIRECTION OF THE ARROW WITH THE LEVER OF CONNECTING WIRES PUSHED.



4. 結線レバーを放す。  
THE LEVER OF CONNECTING WIRES IS RELEASED.

DO NOT SCALE DRAWING

EC NO.	EC NO.	EC NO.	EC NO.
DRWN: CH'K: APPR:	DRWN: CH'K: APPR:	DRWN: CH'K: APPR:	DRWN: CH'K: APPR:
8	7	6	5

REV	DESCRIPTION	MATERIAL 材料	注記参照 SEE NOTES
0	RELEASED EC NO. J2004-3622 DRWN: H.KAWABATA '04/04/07 CH'K: K.TOJO '04/04/07 APPR: M.SASAO '04/04/07	FINISH 仕上げ	注記参照 SEE NOTES
		WIRE RANGE 適用電線範囲	注記参照 SEE NOTES
		INS. RANGE 被覆外径	注記参照 SEE NOTES

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2:1	DESIGN UNITS mm INCH
10 UNDER 未満	±0.2	
10 OVER 以上 30 UNDER 未満	±0.25	
30 OVER 以上	±0.3	
ANGLE 角度	±3°	

MODEL NO. 54928-***7*	DIMENSIONS: mm INCH mm ONLY	SHT 2 OF 2	REV
	THIRD ANGLE PROJECTION	REVISIONS	
DRAWN BY & DATE H.KAWABATA '04/04/07		TITLE: MTC (MULTI TERMINAL CONN.) 7.5mm PITCH REC. HS'G ASS'Y -LEAD FREE-	
CHECKED BY & DATE K.TOJO '04/04/07		APPROVED BY & DATE M.SASAO '04/04/07	
CAD FILENAME SD-54928-004.S02		MATERIAL NO. SEE CHART	DRAWING NO. SD-54928-004
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			SIZE B