

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

**Part Number:** [0549280770](#)  
**Status:** **Active**  
**Description:** 7.50mm (.295") Pitch MTC™ Spring Type Receptacle, 7 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) 7  
 Circuits (maximum) 7  
 Color - Resin White  
 Entry Angle Vertical  
 Flammability 94V-0  
 Lock to Mating Part Yes  
 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  
 Polarized to Mating Part Yes  
 Shrouded Fully  
 Stackable No  
 Temperature Range - Operating -30°C to +85°C  
 Wire Size AWG 14, 16, 18, 20, 22, 24, 26

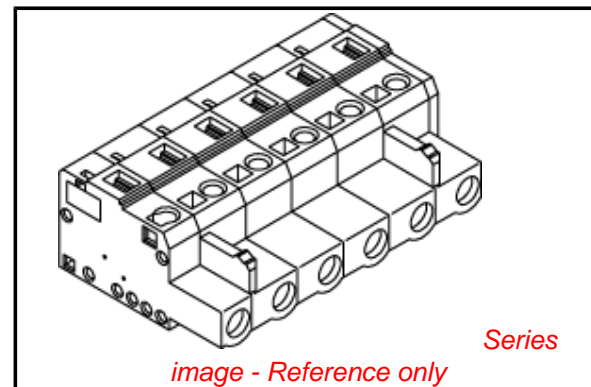
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-51241-005  
 Sales Drawing SD-54928-004



*image - Reference only*

**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.

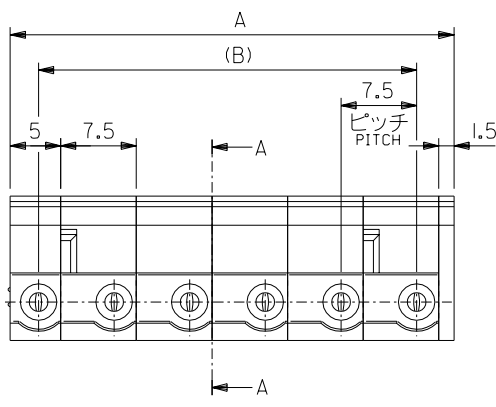
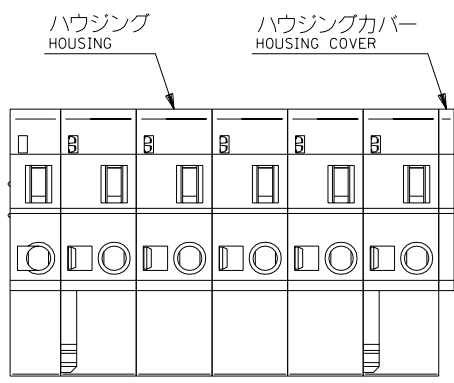
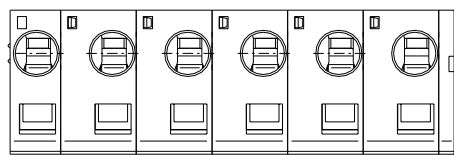
**Search Parts in this Series**

[54928Series](#)

**Mates With**

[55759](#)

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
- 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.

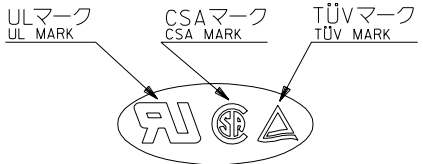
5. 適合レバー: 54932 シリーズ  
APPLIED LEVER: 54932 SERIES

6. 製品番号  
MATERIAL NO.  
54928-\*\*\*7\*

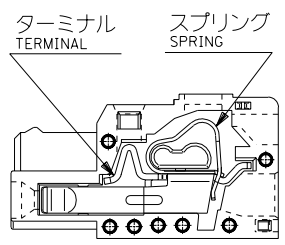
極数 CIRCUIT SIZE	色 COLOR
アイボリー IVORY	0
黒 BLACK	1
灰 GRAY	5

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

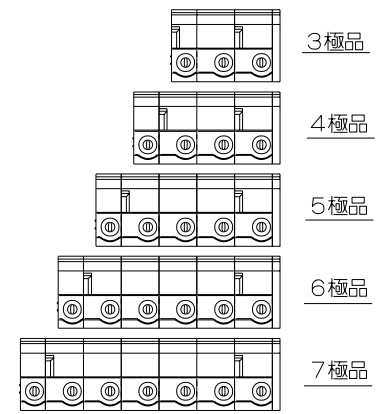
8. 本製品は 54928-\*\*\*1\* の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54928-\*\*\*1\*.



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

RELEASD EC NO. J2004-3622 DRWN: H.KAWABATA '04/04/07 CHK: K.TOJO '04/04/07 APPR: M.SASAO '04/04/07	DESCRIPTION	MATERIAL 材料	注記参照 SEE NOTES
REV	INS. RANGE 被覆外径	注記参照 SEE NOTES	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	DRAWN BY & DATE H.KAWABATA '04/04/07
10 OVER 30 UNDER 以上 未満	±0.25	CHECKED BY & DATE K.TOJO '04/04/07
30 OVER 以上	±0.3	APPROVED BY & DATE M.SASAO '04/04/07
ANGLE 角度	±3°	CAD FILENAME SD-54928-004.S01

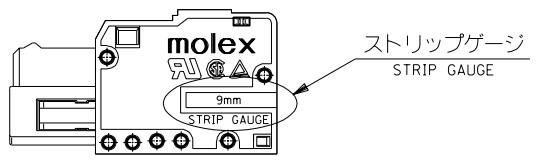
MODEL NO. 54928-***7*	TITLE: MTC (MULTI TERMINAL CONN.) 7.5mm PITCH REC. HS'G ASS'Y -LEAD FREE-	DIMENSIONS: mm INCH	SHT REV
THIRD ANGLE PROJECTION	MOLEX MOLEX INCORPORATED	mm ONLY	1 OF 2
CAD FILENAME SD-54928-004.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-54928-004	SIZE B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

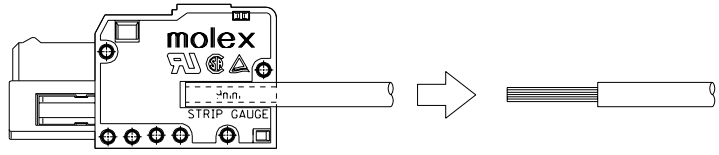
DWG. NO. SD-54928-004

8 ストリップゲージの使用方法  
USE OF STRIP GAUGE

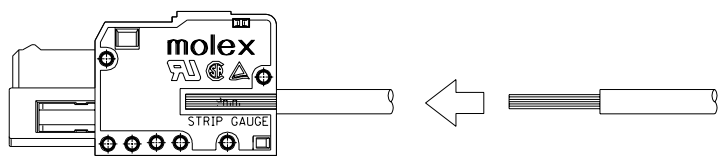
ハウジングカバーに付いているストリップゲージは、以下のご使用下さい。  
PLEASE USE THE STRIP GAUGE WHICH HAS ADHERED TO THE HOUSING COVER AS SHOWN IN THE FIGURE BELOW.



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.



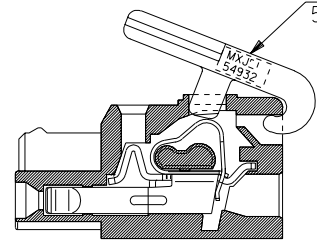
2. 既に被覆を剥いた電線をストリップゲージに合わせ被覆剥き長さを確認する。  
THE ELECTRIC WIRE WHICH HAS ALREADY PEELLED OFF INSULATION IS MATCHED TO THE STRIP GAUGE, AND THE STRIPPING LENGTH IS CONFIRMED.



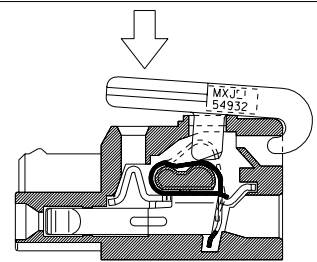
※ 被覆剥き長さ：8～9mm  
STRIPPING LENGTH：8～9mm

5 結線方法  
METHOD OF CONNECTING WIRES

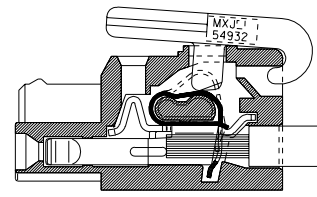
3 結線レバー  
LEVER  
54932-\*\*\*\*



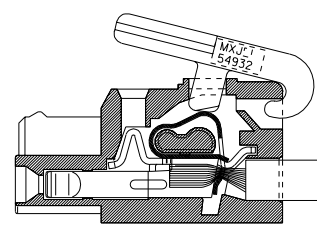
1. 結線レバーをハウジングに装着する。(脱着自在)  
THE LEVER OF CONNECTING WIRES IS INSTALLED IN THE HOUSING. (DETACHING IS FREE)



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:
7	7	7	7

RELEASED  
EC NO. J2004-3622  
DRWN: H.KAWABATA '04/04/07  
CH'K: K.TOJO '04/04/07  
APPR: M.SASAO '04/04/07

MATERIAL 材料	注記参照 SEE NOTES
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 2:1	THIRD ANGLE PROJECTION
10 UNDER 未満	±0.2	H.KAWABATA '04/04/07	TITLE: MTC (MULTI TERMINAL CONN.) 7.5mm PITCH REC. HS'G ASS'Y -LEAD FREE-
10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE K.TOJO '04/04/07	APPROVED BY & DATE M.SASAO '04/04/07
30 OVER 以上	±0.3	CAD FILENAME SD-54928-004.S02	MATERIAL NO. SEE CHART
ANGLE 角度	±3°	DRAWING NO. SD-54928-004	SHEET NO. 2 OF 2

MODEL NO. 54928-***7*	DIMENSIONS: mm INCH mm ONLY	SHT	REV
REVISIONS	REVISIONS	REVISIONS	REVISIONS

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