

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

**Part Number:** [0502323603](#)  
**Status:** **Active**  
**Description:** Ring Tongue Terminal for 10 and 12 AWG, Closed Insulated Vinyl Flared Barrel, Yellow, Stud Size 1/4" (M6), Oxygen-Free Copper, Length 29.40mm (1.157")

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-50230-001 \(PDF\)](#)

**General**

|                         |                          |
|-------------------------|--------------------------|
| Product Family          | Ring and Spade Terminals |
| Series                  | <a href="#">50232</a>    |
| Crimp Quality Equipment | Yes                      |
| Mil-Spec                | N/A                      |
| Product Name            | RBV (Ring Vinyl Flared)  |
| Type                    | Ring                     |

**Physical**

|                           |                 |
|---------------------------|-----------------|
| Barrel Type               | Closed - Brazed |
| Color - Resin             | Yellow          |
| Insulation                | PVC             |
| Material - Plating Mating | Tin             |
| Packaging Type            | Bag             |
| Stud Size                 | 1/4" (M6)       |
| Wire Size AWG             | 10, 12          |
| Wire Size mm <sup>2</sup> | 2.63 - 6.64     |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-50230-001 |
| Sales Drawing         | SD-50232-001 |



*Series*  
*image - Reference only*

**EU RoHS**

**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**

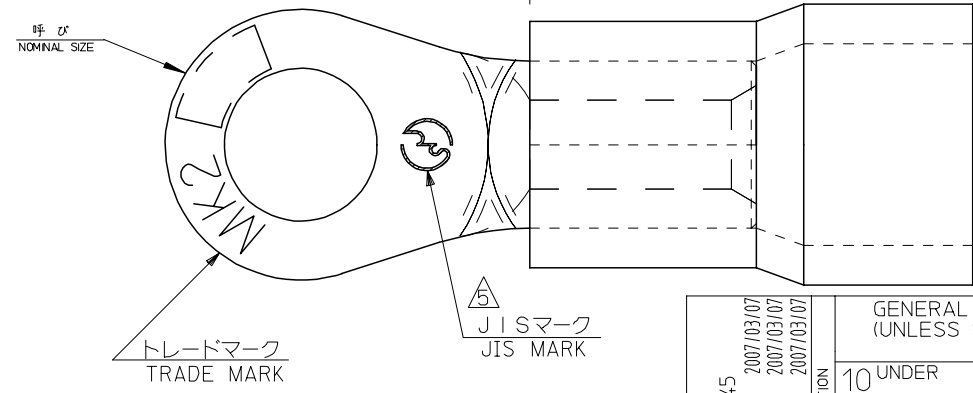
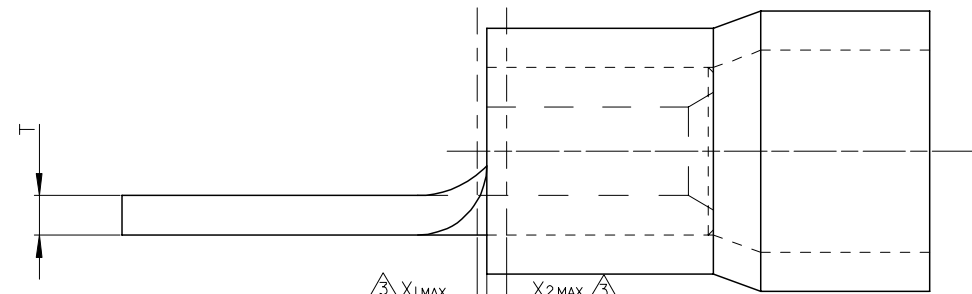
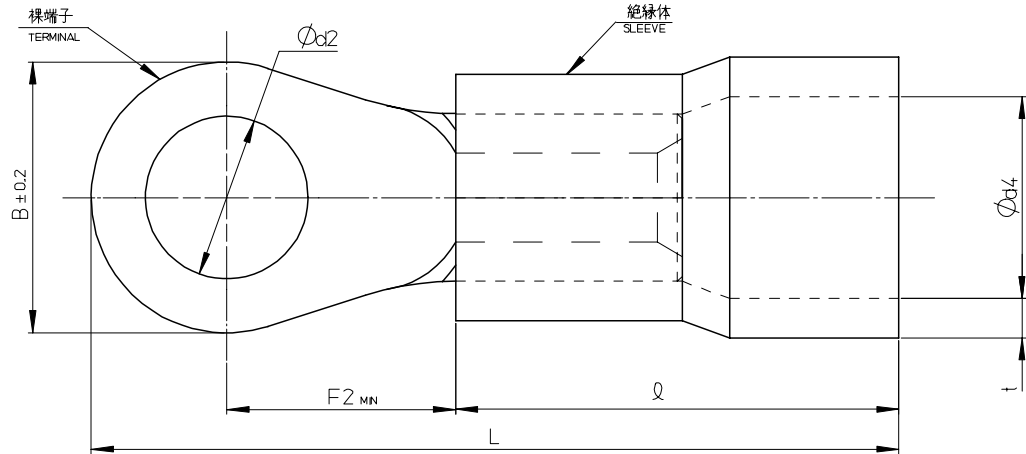


**Need more information on product environmental compliance?**

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**  
[50232Series](#)



注記NOTES

1. 材質 MATERIAL

裸端子：無酸素銅，スズメッキ  
 TERMINAL: OXYGEN FREE COPPER, TIN PLATING  
 ろう付け部：りん銅ろう  
 BRAZING: COPPER PHOSPHORUS BRAZING FILLER METALS  
 絶縁体：硬質塩化ビニル  
 SLEEVE: RIGID PVC (POLYVINYLCHLORIDE)

2. 適用電線 APPLICABLE WIRE RANGE

| ENG.NO.    | 単線(mm)<br>SOLID WIRE<br>(mm) | 撚線(mm <sup>2</sup> )<br>STRAINED<br>WIRE (mm <sup>2</sup> ) | AWG     |
|------------|------------------------------|---|---------|
| 50232-3*** | 1.82-2.89                    | 2.63-6.64   | #12-#10 |

△3 X<sub>1</sub> 及び X<sub>2</sub> 寸法は、裸端子の筒部と絶縁体とのずれを表す。  
 X<sub>1</sub> AND X<sub>2</sub> SHOW THE OFFSET BETWEEN TERMINAL AND SLEEVE.

4. MATERIAL NOの説明  
 LEGEND OF MATERIAL NO

50232-3△△\*

スリーブの色  
 SLEEVE COLOR  
 0.....白 (WHITE)  
 2.....赤 (RED)  
 3.....黄 (YELLOW)  
 4.....青 (BLUE)  
 6.....緑 (GREEN)  
 9.....透明 (TRANSPARENCY)

△5 JIS規格品は50232-3543,-3573,-3603,-3613,-3623のみ。  
 JISマークはJIS認定品のみ手部に刻印する。  
 50232-3543,-3573,-3603,-3613,-3623 ARE BASED ON JIS STANDARD.  
 JIS MARK SHOULD BE STAMPED AT TONGUE PART  
 ONLY IN THE RECOGNITION GOODS.

△6 JIS規格品の寸法の最小値は、基本寸法の80%とする。  
 IN CASE OF JIS STANDARD PRODUCT, LOWER LIMIT IS 80% OF 'I'

|   |                                       |       |  |                    |                                  |                        |                              |  |
|---|---------------------------------------|-------|--|--------------------|----------------------------------|------------------------|------------------------------|--|
| RELEASED<br>EC NO: J2007-1745<br>DRW: K. ITO 2007/03/07<br>CHK: K. KASAHARA 2007/03/07<br>APPR: N. UKITA 2007/03/07 | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE<br>MM ONLY                                 |                    | SCALE<br>---                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION    |  |
|   | 10 UNDER                              | ± --- | DRAWN BY<br>K. ITO   | DATE<br>2006/10/27 | TITLE<br>INSULATED RING TERMINAL |                        |                              |  |
|   | 10 OVER 30 UNDER                      | ± --- | CHECKED BY<br>K. KASAHARA                                  | DATE<br>2006/10/27 | MATERIAL NO.<br>SD-50232-001     |                        |                              |  |
|   | 30 OVER                               | ± --- | APPROVED BY<br>N. UKITA                                    | DATE<br>2006/10/27 | SHEET NO.<br>1 OF 2              |                        |                              |  |
|   | ANGULAR                               | ± 1 ° | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    | SEE CHART                        |                        | DOCUMENT NO.<br>SD-50232-001 |  |

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

| 透明<br>TRANSPARENCY | 緑<br>GREEN | 青<br>BLUE  | 黄<br>YELLOW | 赤<br>RED   | 白<br>WHITE | スリーブの色<br>SLEEVE COLOR |
|--------------------|------------|------------|-------------|------------|------------|------------------------|
| 50232-3669         | 50232-3666 | 50232-3664 | 50232-3663  | 50232-3662 | 50232-3660 | 20                     |
| ▲ -3659            | ▲ -3656    | ▲ -3654    | ▲ -3653     | ▲ -3652    | ▲ -3650    | 16                     |
| -3649              | -3646      | -3644      | -3643       | -3642      | -3640      | 14                     |
| -3639              | -3636      | -3634      | -3633       | -3632      | -3630      | 12                     |
| -3629              | -3626      | -3624      | -3623       | -3622      | -3620      | 10                     |
| -3619              | -3616      | -3614      | JIS -3613   | -3612      | -3610      | 8                      |
| -3609              | -3606      | -3604      | -3603       | -3602      | -3600      | 6                      |
| -3599              | -3596      | -3594      | -3593       | -3592      | -3590      | L5                     |
| -3589              | -3586      | -3584      | -3583       | -3582      | -3580      | S5                     |
| -3579              | -3576      | -3574      | JIS -3573   | -3572      | -3570      | 5                      |
| -3569              | -3566      | -3564      | -3563       | -3562      | -3560      | M4                     |
| -3559              | -3556      | -3554      | -3553       | -3552      | -3550      | S4                     |
| -3549              | -3546      | -3544      | JIS -3543   | -3542      | -3540      | 4                      |
| -3539              | -3536      | -3534      | -3533       | -3532      | -3530      | M3.5                   |
| -3529              | -3526      | -3524      | -3523       | -3522      | -3520      | S3.5                   |
| -3519              | -3516      | -3514      | -3513       | -3512      | -3510      | M3                     |
| 50232-3509         | 50232-3506 | 50232-3504 | 50232-3503  | 50232-3502 | 50232-3500 | S3                     |
| △ ENG NO.          | △ ENG NO.  | △ ENG NO.  | △ ENG NO.   | △ ENG NO.  | △ ENG NO.  | 呼び<br>NOMINAL SIZE     |
|                    |            |            |             |            |            | 50232-3***             |
|                    |            |            |             |            |            | MODEL NO.              |

| T                    | t                    | ∅d4                  | ℓ                  | X2  | X1  | L                   | F2   | ∅d2                  | B   | 呼び<br>NOMINAL SIZE | ENG.NO.    |
|----------------------|----------------------|----------------------|--------------------|-----|-----|---------------------|------|----------------------|-----|--------------------|------------|
| 1.0 <sub>±0.05</sub> | 0.8 <sub>±0.05</sub> | 6.4 <sub>±0.05</sub> | 13.5 <sub>±1</sub> |     |     | 55.1 <sub>±1</sub>  | 24.9 | 21 <sub>±0.4</sub>   | 32  | 20                 | 50232-366* |
|                      |                      |                      |                    |     |     |                     |      | 17 <sub>±0.4</sub>   |     | 16                 | -365*      |
|                      |                      |                      |                    |     |     |                     |      | 15 <sub>±0.4</sub>   |     | 14                 | -364*      |
|                      |                      |                      |                    |     |     | 39.1 <sub>±1</sub>  | 14.9 | 13 <sub>±0.4</sub>   | 20  | 12                 | -363*      |
| 0.9 <sub>MN</sub>    | 0.8 <sub>△</sub>     | 5.9 <sub>MN</sub>    | 13.0 <sub>MN</sub> |     |     | 37.0 <sub>MAX</sub> | 13.5 | 10.5 <sub>±0.4</sub> | 15  | 10                 | -362*      |
|                      |                      |                      |                    |     |     |                     | 9    | 8.4 <sub>±0.4</sub>  |     | 8                  | -361*      |
|                      |                      |                      |                    |     |     | 34.0 <sub>MAX</sub> | 7    | 6.4 <sub>±0.4</sub>  | 12  | 6                  | -360*      |
|                      |                      |                      |                    |     |     | 29.4 <sub>±1</sub>  | 9.4  | 5.3 <sub>±0.2</sub>  |     | L5                 | -359*      |
| 1.0 <sub>±0.05</sub> | 0.8 <sub>±0.05</sub> | 6.4 <sub>±0.05</sub> | 13.5 <sub>±1</sub> | 0.5 | 1.0 | 26.6 <sub>±1</sub>  | 8.4  | 8.0                  | 8.0 | S5                 | -358*      |
|                      |                      |                      |                    |     |     |                     |      |                      |     | 5                  | -357*      |
| 0.9 <sub>MN</sub>    | 0.8 <sub>△</sub>     | 5.9 <sub>MN</sub>    | 13.0 <sub>MN</sub> |     |     | 28.0 <sub>MAX</sub> | 7    | 5.3 <sub>±0.2</sub>  | 9.5 | M4                 | -356*      |
|                      |                      |                      |                    |     |     |                     |      |                      |     | S4                 | -355*      |
| 1.0 <sub>±0.05</sub> | 0.8 <sub>±0.05</sub> | 6.4 <sub>±0.05</sub> | 13.5 <sub>±1</sub> |     |     | 26.6 <sub>±1</sub>  | 8.8  | 4.3 <sub>±0.2</sub>  | 7.1 | 4                  | -354*      |
|                      |                      |                      |                    |     |     |                     |      |                      |     | M3.5               | -353*      |
| 0.9 <sub>MN</sub>    | 0.8 <sub>△</sub>     | 5.9 <sub>MN</sub>    | 13.0 <sub>MN</sub> |     |     | 22.9 <sub>±1</sub>  | 5.1  | 7.2                  | 7.2 | S3.5               | -352*      |
|                      |                      |                      |                    |     |     |                     |      |                      |     | M3                 | -351*      |
| 1.0 <sub>±0.05</sub> | 0.8 <sub>±0.05</sub> | 6.4 <sub>±0.05</sub> | 13.5 <sub>±1</sub> |     |     | 28.0 <sub>MAX</sub> | 5    | 4.3 <sub>±0.2</sub>  | 9.5 | S3                 | 50232-350* |
|                      |                      |                      |                    |     |     |                     |      |                      |     |                    |            |
|                      |                      |                      |                    |     |     | 26.6 <sub>±1</sub>  | 8.8  | 3.7 <sub>±0.2</sub>  | 7.1 |                    |            |
|                      |                      |                      |                    |     |     | 22.9 <sub>±1</sub>  | 5.1  | 7.2                  | 7.2 |                    |            |
|                      |                      |                      |                    |     |     | 26.6 <sub>±1</sub>  | 8.8  | 7.1                  | 7.1 |                    |            |
|                      |                      |                      |                    |     |     | 22.9 <sub>±1</sub>  | 5.1  | 7.2                  | 7.2 |                    |            |

|   |                                       |            |                            |   |                                  |                        |                        |  |
|---|---------------------------------------|------------|----------------------------|---|----------------------------------|------------------------|------------------------|--|
| RELEASED<br>EC NO: J2007-1745<br>DRWNG: ITO<br>CHKD: KASAHARA<br>APPR: NUKITA | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br>MM ONLY |   | SCALE<br>---                     | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
|   | 10 UNDER                              | ± ---      | DRAWN BY<br>K. ITO         | DATE<br>2006/12/01  | TITLE<br>INSULATED RING TERMINAL |                        |                        |  |
|   | 10 OVER 30 UNDER                      | ± ---      | CHECKED BY<br>K. KASAHARA  | DATE<br>2006/12/01  |                                  |                        |                        |  |
|   | 30 OVER                               | ± ---      | APPROVED BY<br>N. UKITA    | DATE<br>2006/12/01  |                                  |                        |                        |  |
|   | ANGULAR                               | ± --- °    | MATERIAL NO.<br>SEE CHART  |   | DOCUMENT NO.<br>SD-50232-001     |                        | SHEET NO.<br>2 OF 2    |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                          |                                       | SIZE<br>A3 |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                  |                        |                        |  |