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**Part Number:** [0395233003](#)  
**Status:** **Active**  
**Description:** 5.00mm (.197") Pitch Eurostyle™ Vertical Plug, Front Wire Entry, 3 Circuits

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-39500-001 \(PDF\)](#)

**General**

|                             |                           |
|-----------------------------|---------------------------|
| Product Family              | Terminal Blocks           |
| Series                      | <a href="#">39523</a>     |
| Application                 | Wire-to-Board             |
| Comments                    | Front Wire Entry          |
| Component Type              | Plug                      |
| Product Literature Order No | USA-355                   |
| Product Name                | ESE, Eurostyle™ Pluggable |
| Type                        | Euro Block                |

**Physical**

|                               |                                |
|-------------------------------|--------------------------------|
| Circuits (Loaded)             | 3                              |
| Entry Angle                   | Horizontal                     |
| Lock to Mating Part           | Yes                            |
| Number of Rows                | 1                              |
| Orientation                   | Vertical                       |
| Panel Mount                   | No                             |
| Pitch - Mating Interface (in) | 0.197 In                       |
| Pitch - Mating Interface (mm) | 5.00 mm                        |
| Polarized to Mating Part      | Yes                            |
| Stackable                     | No                             |
| Temperature Range - Operating | -40°C to +105°C                |
| Wire Size AWG                 | 12, 14, 16, 18, 20, 22, 24, 26 |
| Wire Size mm²                 | 0.13 - 3.31                    |

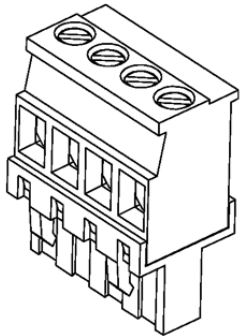
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 15A  |
| Voltage - Maximum             | 300V |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-39500-001 |
| Sales Drawing         | SD-39523-001 |



*Series  
image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
Not Reviewed  
**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**  
[39523Series](#)

**Mates With**  
[39521](#) Vertical PCB Header, [39522](#)  
Horizontal PCB Header, Most 5.00mm  
(.197") Pitch Industry Standard PCB  
Headers, [39528](#) Dual Level PCB Header,  
Open Ends

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# SPECIFICATIONS:

## 1. Material:

- (1). Screw: Steel
- (2). Body: PA66
- (3). Terminal: Phosphor Bronze
- (4). Cage: Brass
- (5). Cover: PA66

2. Wire range: 12 - 26 AWG

3. Electrical rating: 300V, 15A.

4. Wire strip length: 5.0mm.

5. Operating temperature: -40C to +105C.

6. Max torque: 5 In Lbs.

7. Insulation resistance: DC 500V, 500M.

8. Dielectric withstand: AC 2500V for 1 minute.

9. Breakdown voltage: 4000V.

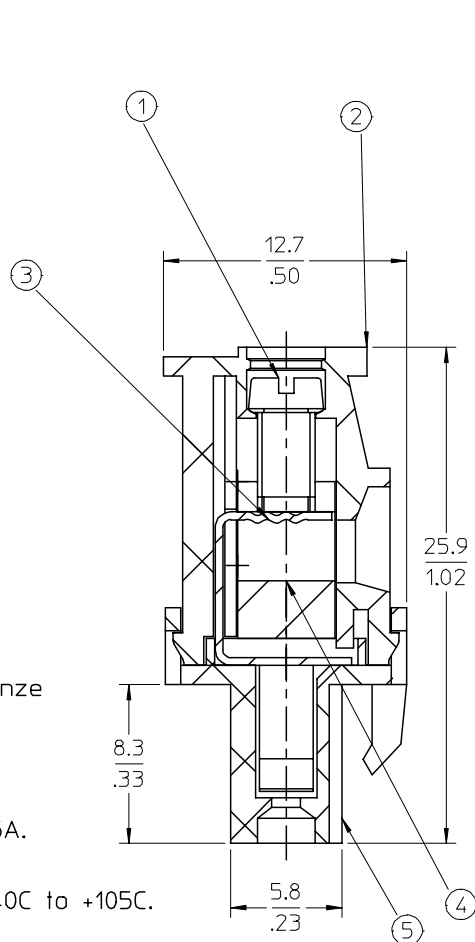
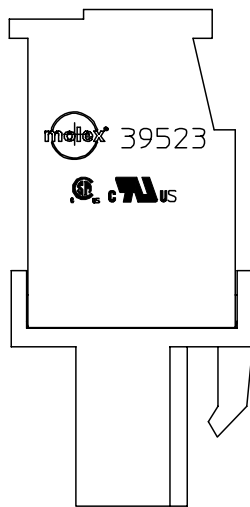
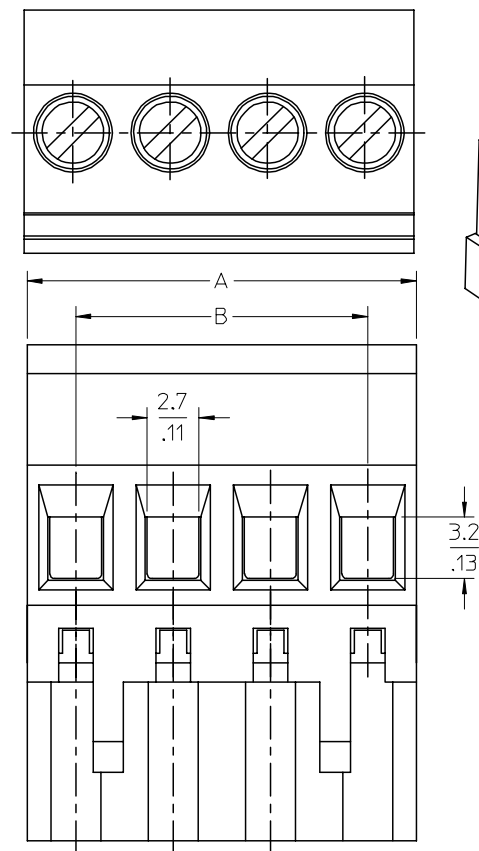
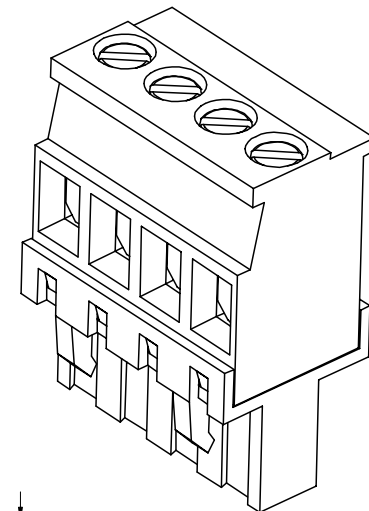
10. Contact resistance: <10 mW.

11. A = (N x P)

12. B = (N - 1) x P

13. P (PITCH) = 5.0mm (.197").

14. N = Number of positions available 2 through 24.



|                                                                                                                                     |                                   |             |                                                      |         |                          |                       |                  |                                                                                                                               |                        |                          |  |  |                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|------------------------------------------------------|---------|--------------------------|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|--|--|---------------------|--|
| ENTER DESCRIPTION<br>EC NO: NEO2006-0310<br>DRWN: LROTHAUS 2006/01/09<br>CHKD: CYORK 2006/01/09<br>APPR: JPAWLICK 2006/01/10<br>REV | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                |         | DIMENSION STYLE<br>MM/IN |                       | SCALE<br>4:1     | DESIGN UNITS<br>INCH                                                                                                          | THIRD ANGLE PROJECTION |                          |  |  |                     |  |
|                                                                                                                                     |                                   |             |                                                      | mm      | INCH                     | DRAWN BY<br>LROTHAUS  | DATE<br>12/6/05  | TITLE<br>5.0MM, EURO PLUG, VERTICAL, REAR WIRE ENTRY                                                                          |                        |                          |  |  |                     |  |
|                                                                                                                                     |                                   |             | 4 PLACES                                             | ± ---   | ±.0015                   | CHECKED BY<br>C. YORK | DATE<br>01/06/06 |                                                                                                                               |                        |                          |  |  |                     |  |
|                                                                                                                                     |                                   |             | 3 PLACES                                             | ± 0.038 | ±.005                    | APPROVED BY           |                  | DATE                                                                                                                          |                        | MOLEX MOLEX INCORPORATED |  |  |                     |  |
|                                                                                                                                     |                                   |             | 2 PLACES                                             | ± 0.13  | ±.01                     |                       |                  |                                                                                                                               |                        |                          |  |  |                     |  |
|                                                                                                                                     |                                   |             | 1 PLACE                                              | ± 0.3   | ± ---                    | MATERIAL NO.          |                  | DOCUMENT NO.                                                                                                                  |                        |                          |  |  | SHEET NO.<br>1 OF 1 |  |
|                                                                                                                                     |                                   |             | ANGULAR ± 2 °                                        |         |                          |                       |                  |                                                                                                                               |                        |                          |  |  |                     |  |
|                                                                                                                                     |                                   |             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |         |                          | SEE CHART             |                  | SD-39523-001                                                                                                                  |                        |                          |  |  |                     |  |
|                                                                                                                                     |                                   |             |                                                      |         |                          | SIZE<br>B             |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                          |  |  |                     |  |

|                                             |  |              | Material Numbers |           |           |                  |           |           |                  |           |           |                  |           | Dimensional Information |        |       |        |        |
|---------------------------------------------|--|--------------|------------------|-----------|-----------|------------------|-----------|-----------|------------------|-----------|-----------|------------------|-----------|-------------------------|--------|-------|--------|--------|
|                                             |  |              | Black            |           |           |                  |           |           | Green            |           |           |                  |           |                         |        |       |        |        |
|                                             |  |              | 100% Tin         |           |           | 30 u" Gold       |           |           | 100% Tin         |           |           | 30 u" Gold       |           |                         |        |       |        |        |
|                                             |  |              | Printing Options |           |           | Printing Options |           |           | Printing Options |           |           | Printing Options |           |                         |        |       |        | Dim. A |
| Description                                 |  | Circuit size | None             | 10AV      | 11AV      | None             | 10AV      | 11AV      | None             | 10AV      | 11AV      | None             | 10AV      | 11AV                    | mm     | inch  | mm     | inch   |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 2            | 395233002        | 395233302 | 395233402 | 395233502        | 395233802 | 395233902 | 395238002        | 395238302 | 395238402 | 395238502        | 395238802 | 395238902               | 10.00  | 0.394 | 5.00   | 0.197  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 3            | 395233003        | 395233303 | 395233403 | 395233503        | 395233803 | 395233903 | 395238003        | 395238303 | 395238403 | 395238503        | 395238803 | 395238903               | 15.00  | 0.591 | 10.00  | 0.394  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 4            | 395233004        | 395233304 | 395233404 | 395233504        | 395233804 | 395233904 | 395238004        | 395238304 | 395238404 | 395238504        | 395238804 | 395238904               | 20.00  | 0.787 | 15.00  | 0.591  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 5            | 395233005        | 395233305 | 395233405 | 395233505        | 395233805 | 395233905 | 395238005        | 395238305 | 395238405 | 395238505        | 395238805 | 395238905               | 25.00  | 0.984 | 20.00  | 0.787  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 6            | 395233006        | 395233306 | 395233406 | 395233506        | 395233806 | 395233906 | 395238006        | 395238306 | 395238406 | 395238506        | 395238806 | 395238906               | 30.00  | 1.181 | 25.00  | 0.984  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 7            | 395233007        | 395233307 | 395233407 | 395233507        | 395233807 | 395233907 | 395238007        | 395238307 | 395238407 | 395238507        | 395238807 | 395238907               | 35.00  | 1.378 | 30.00  | 1.181  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 8            | 395233008        | 395233308 | 395233408 | 395233508        | 395233808 | 395233908 | 395238008        | 395238308 | 395238408 | 395238508        | 395238808 | 395238908               | 40.00  | 1.575 | 35.00  | 1.378  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 9            | 395233009        | 395233309 | 395233409 | 395233509        | 395233809 | 395233909 | 395238009        | 395238309 | 395238409 | 395238509        | 395238809 | 395238909               | 45.00  | 1.772 | 40.00  | 1.575  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 10           | 395233010        | 395233310 | 395233410 | 395233510        | 395233810 | 395233910 | 395238010        | 395238310 | 395238410 | 395238510        | 395238810 | 395238910               | 50.00  | 1.969 | 45.00  | 1.772  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 11           | 395233011        | 395233311 | 395233411 | 395233511        | 395233811 | 395233911 | 395238011        | 395238311 | 395238411 | 395238511        | 395238811 | 395238911               | 55.00  | 2.165 | 50.00  | 1.969  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 12           | 395233012        | 395233312 | 395233412 | 395233512        | 395233812 | 395233912 | 395238012        | 395238312 | 395238412 | 395238512        | 395238812 | 395238912               | 60.00  | 2.362 | 55.00  | 2.165  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 13           | 395233013        | 395233313 | 395233413 | 395233513        | 395233813 | 395233913 | 395238013        | 395238313 | 395238413 | 395238513        | 395238813 | 395238913               | 65.00  | 2.559 | 60.00  | 2.362  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 14           | 395233014        | 395233314 | 395233414 | 395233514        | 395233814 | 395233914 | 395238014        | 395238314 | 395238414 | 395238514        | 395238814 | 395238914               | 70.00  | 2.756 | 65.00  | 2.559  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 15           | 395233015        | 395233315 | 395233415 | 395233515        | 395233815 | 395233915 | 395238015        | 395238315 | 395238415 | 395238515        | 395238815 | 395238915               | 75.00  | 2.953 | 70.00  | 2.756  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 16           | 395233016        | 395233316 | 395233416 | 395233516        | 395233816 | 395233916 | 395238016        | 395238316 | 395238416 | 395238516        | 395238816 | 395238916               | 80.00  | 3.150 | 75.00  | 2.953  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 17           | 395233017        | 395233317 | 395233417 | 395233517        | 395233817 | 395233917 | 395238017        | 395238317 | 395238417 | 395238517        | 395238817 | 395238917               | 85.00  | 3.346 | 80.00  | 3.150  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 18           | 395233018        | 395233318 | 395233418 | 395233518        | 395233818 | 395233918 | 395238018        | 395238318 | 395238418 | 395238518        | 395238818 | 395238918               | 90.00  | 3.543 | 85.00  | 3.346  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 19           | 395233019        | 395233319 | 395233419 | 395233519        | 395233819 | 395233919 | 395238019        | 395238319 | 395238419 | 395238519        | 395238819 | 395238919               | 95.00  | 3.740 | 90.00  | 3.543  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 20           | 395233020        | 395233320 | 395233420 | 395233520        | 395233820 | 395233920 | 395238020        | 395238320 | 395238420 | 395238520        | 395238820 | 395238920               | 100.00 | 3.937 | 95.00  | 3.740  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 21           | 395233021        | 395233321 | 395233421 | 395233521        | 395233821 | 395233921 | 395238021        | 395238321 | 395238421 | 395238521        | 395238821 | 395238921               | 105.00 | 4.134 | 100.00 | 3.937  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 22           | 395233022        | 395233322 | 395233422 | 395233522        | 395233822 | 395233922 | 395238022        | 395238322 | 395238422 | 395238522        | 395238822 | 395238922               | 110.00 | 4.331 | 105.00 | 4.134  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 23           | 395233023        | 395233323 | 395233423 | 395233523        | 395233823 | 395233923 | 395238023        | 395238323 | 395238423 | 395238523        | 395238823 | 395238923               | 115.00 | 4.528 | 110.00 | 4.331  |
| 5.0mm, Euro Plug, Vertical, Rear Wire Entry |  | 24           | 395233024        | 395233324 | 395233424 | 395233524        | 395233824 | 395233924 | 395238024        | 395238324 | 395238424 | 395238524        | 395238824 | 395238924               | 120.00 | 4.724 | 115.00 | 4.528  |

|                                                                                                                              |             |                                       |                                                            |         |        |                           |                  |                                                                                                                               |                      |                        |
|------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|------------------------------------------------------------|---------|--------|---------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|
| SEE SHEET 1<br>EC NO: NEO2006-0310<br>DRAWN: LROTHAUS 2006/01/09<br>CHKD: CYORK 2006/01/09<br>APPR: JPAWLICK 2006/01/10<br>A | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br><br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |         |        | DIMENSION STYLE<br>MM/IN  |                  | SCALE<br>4:1                                                                                                                  | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |
|                                                                                                                              |             |                                       |                                                            | mm      | INCH   | DRAWN BY<br>LROTHAUS      | DATE<br>12/6/05  | TITLE<br>5.0MM, EURO PLUG<br>VERTICAL<br>REAR WIRE ENTRY<br><br>MOLEX INCORPORATED                                            |                      |                        |
|                                                                                                                              |             |                                       | 4 PLACES                                                   | ± ---   | ±.0015 | CHECKED BY<br>C. YORK     | DATE<br>01/06/06 |                                                                                                                               |                      |                        |
|                                                                                                                              |             |                                       | 3 PLACES                                                   | ± 0.038 | ±.005  | APPROVED BY               | DATE             |                                                                                                                               |                      |                        |
|                                                                                                                              |             |                                       | 2 PLACES                                                   | ± 0.13  | ±.01   | MATERIAL NO.<br>SEE CHART |                  |                                                                                                                               |                      |                        |
|                                                                                                                              |             |                                       | 1 PLACE                                                    | ± 0.3   | ± ---  |                           |                  |                                                                                                                               |                      |                        |
| REV                                                                                                                          |             |                                       | ANGULAR ± 2 °                                              |         |        |                           |                  |                                                                                                                               |                      |                        |
|                                                                                                                              |             |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |         |        |                           |                  |                                                                                                                               |                      |                        |
|                                                                                                                              |             |                                       |                                                            |         |        | SIZE<br>B                 |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                        |