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**Part Number:** [0395161004](#)  
**Status:** **Active**  
**Description:** 3.81mm (.150") Pitch Eurostyle™ Horizontal PCB Header, with Threaded Retention Inserts, 4 Circuits

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-39500-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

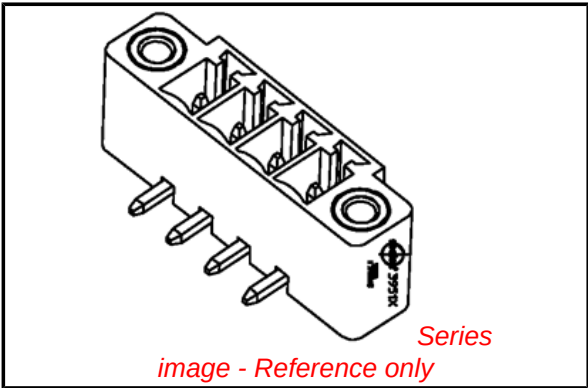
**General**  
Product Family Terminal Blocks  
Series [39516](#)  
Application Wire-to-Board  
Component Type PCB Header  
Product Literature Order No USA-355  
Product Name ESE, Eurostyle™ Pluggable  
Type Euro Block

**Physical**  
Circuits (Loaded) 4  
Entry Angle N/A  
Lock to Mating Part Yes  
Number of Rows 1  
Orientation Horizontal  
PC Tail Length (in) 0.138 In  
PC Tail Length (mm) 3.50 mm  
PCB Thickness Recommended (in) 0.098 In  
PCB Thickness Recommended (mm) 2.50 mm  
Panel Mount No  
Pitch - Mating Interface (in) 0.150 In  
Pitch - Mating Interface (mm) 3.81 mm  
Polarized to Mating Part Yes  
Shrouded Fully  
Stackable No  
Temperature Range - Operating -40°C to +105°C  
Wire Size AWG N/A

**Electrical**  
Current - Maximum per Contact 8A  
Voltage - Maximum 300V

**Material Info**

**Reference - Drawing Numbers**  
[Product Specification](#) PS-39500-001  
[Sales Drawing](#) SD-39501-002, SD-39516-001



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

**China RoHS**



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

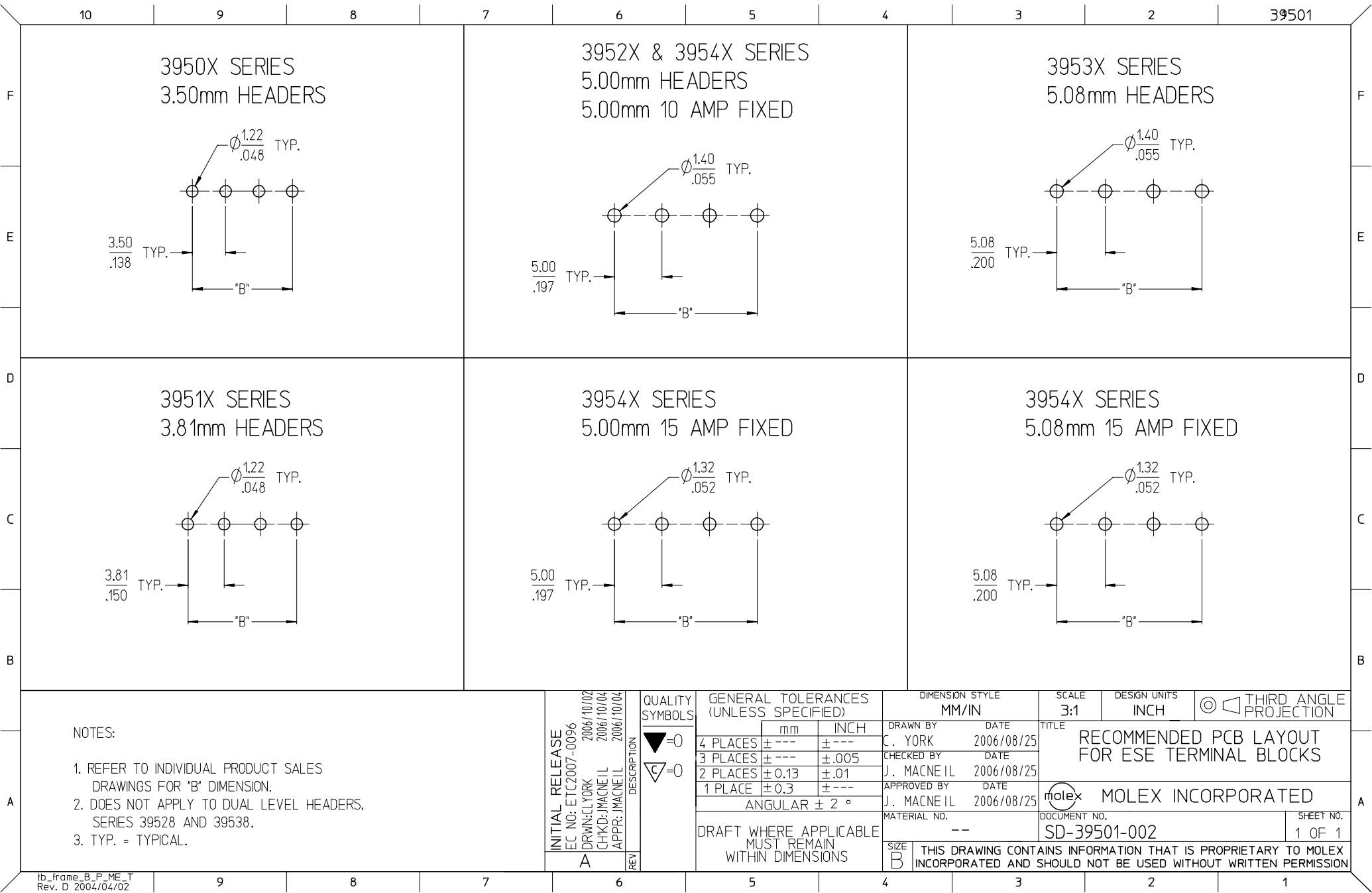
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[39516Series](#)

**Mates With**  
Most 3.81mm (.150") Pitch Industry Standard Plugs, [39517](#) Vertical Plug with Retention Screws, [39514](#) Horizontal Plug with Retention Screws

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NOTES:

- 1. REFER TO INDIVIDUAL PRODUCT SALES DRAWINGS FOR "B" DIMENSION.
- 2. DOES NOT APPLY TO DUAL LEVEL HEADERS, SERIES 39528 AND 39538.
- 3. TYP. = TYPICAL.

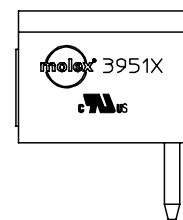
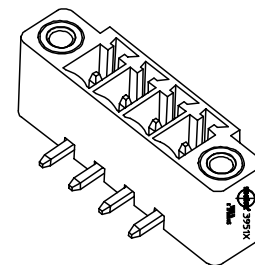
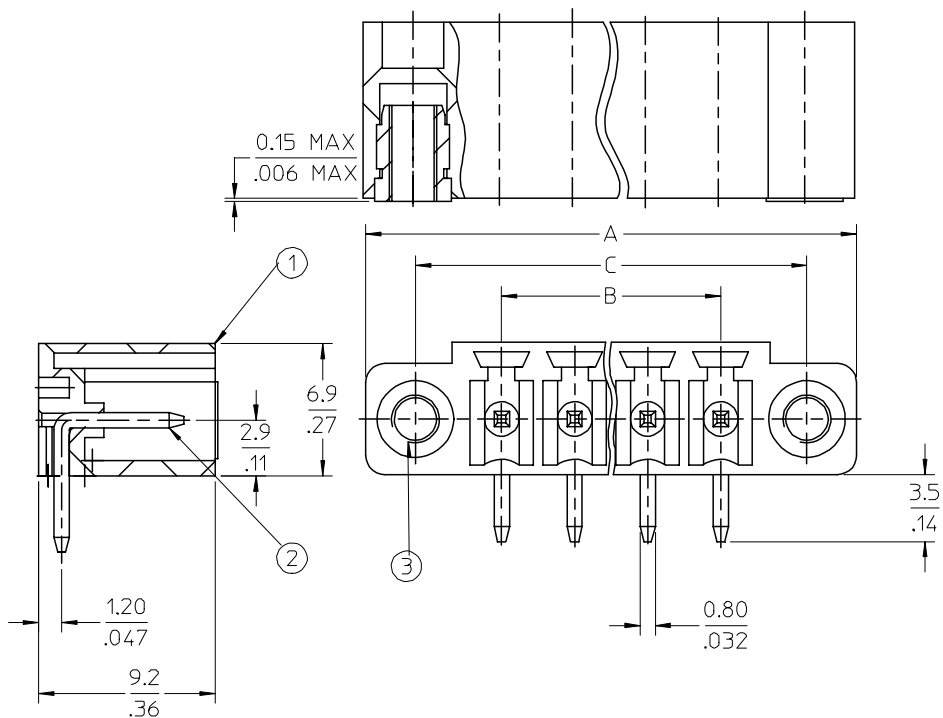
|                 |                     |            |
|-----------------|---------------------|------------|
| INITIAL RELEASE | EC NO: ETC2007-0096 | 2006/10/02 |
|                 | DRWN: CLYORK        | 2006/10/04 |
|                 | CHKD: JMACNEIL      | 2006/10/04 |
|                 | APPR: JMACNEIL      | 2006/10/04 |
| DESCRIPTION     |                     |            |
| REV             |                     |            |
| A               |                     |            |

|                 |
|-----------------|
| QUALITY SYMBOLS |
| ▽=0             |
| ▽=0             |

|                                                      |        |
|------------------------------------------------------|--------|
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |        |
|                                                      |        |
| 4 PLACES                                             | ± ---  |
| 3 PLACES                                             | ± ---  |
| 2 PLACES                                             | ± 0.13 |
| 1 PLACE                                              | ± 0.3  |
| ANGULAR ± 2 °                                        |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |

|                 |            |
|-----------------|------------|
| DIMENSION STYLE |            |
| MM/IN           |            |
| DRAWN BY        | DATE       |
| C. YORK         | 2006/08/25 |
| CHECKED BY      | DATE       |
| J. MACNEIL      | 2006/08/25 |
| APPROVED BY     | DATE       |
| J. MACNEIL      | 2006/08/25 |
| MATERIAL NO.    |            |
| --              |            |
| SIZE            |            |
| B               |            |

|                                                                                                                 |              |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE                                                                                                           | DESIGN UNITS |  THIRD ANGLE<br>PROJECTION |
| 3:1                                                                                                             | INCH         |                                                                                                                 |
| TITLE                                                                                                           |              |                                                                                                                 |
| RECOMMENDED PCB LAYOUT<br>FOR ESE TERMINAL BLOCKS                                                               |              |                                                                                                                 |
|  MOLEX INCORPORATED        |              |                                                                                                                 |
| DOCUMENT NO.                                                                                                    |              | SHEET NO.                                                                                                       |
| SD-39501-002                                                                                                    |              | 1 OF 1                                                                                                          |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                                                                                 |



# SPECIFICATIONS:

- Material:
  - Body: PA66
  - Terminal: Brass
  - Threaded Insert: Brass
- Wire range: N/A
- Electrical rating: 300V, 8A.
- Max Torque: N/A.
- Wire strip length: N/A.
- Operating temperature: -40C to +105C.
- $A = (N \times P) + 10.39\text{MM}$
- $B = (N - 1) \times P$
- $C = (B + 9.0\text{MM})$
- $P \text{ (PITCH)} = 3.81\text{MM} (.150")$ .
- $N = \text{Number of positions available 2 through 20.}$

|                                                                                                                          |             |                                                  |                                       |         |                          |                                                            |                  |                                                       |                                                                                                                                  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------|---------------------------------------|---------|--------------------------|------------------------------------------------------------|------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| RELEASED<br>EC NO: NEO2006-0310<br>DRWN: LROTHAUS 2006/01/09<br>CHKD: CYORK 2006/01/09<br>APPR: JPANLICK 2006/01/10<br>A | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |         | DIMENSION STYLE<br>MM/IN |                                                            | SCALE<br>4:1     | DESIGN UNITS<br>INCH                                  | THIRD ANGLE PROJECTION<br><div>⊙</div> <div>⏊</div>                                                                              |  |  |  |  |
|                                                                                                                          |             |                                                  |                                       | mm      | INCH                     | DRAWN BY<br>LROTHAUS                                       | DATE<br>10/7/05  | TITLE<br>3.81MM, EURO HEADER<br>RIGHT ANGLE, MOUNTING |                                                                                                                                  |  |  |  |  |
|                                                                                                                          |             |                                                  | 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                     | MATERIAL NO.                                               |                  | DOCUMENT NO.                                          |                                                                                                                                  |  |  |  |  |
|                                                                                                                          |             |                                                  | 1 PLACE                               | ± 0.3   | ± ---                    | SEE CHART                                                  |                  | SD-39516-001                                          |                                                                                                                                  |  |  |  |  |
|                                                                                                                          |             |                                                  | ANGULAR ± 2 °                         |         |                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                  | SIZE<br>B                                             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |

AA