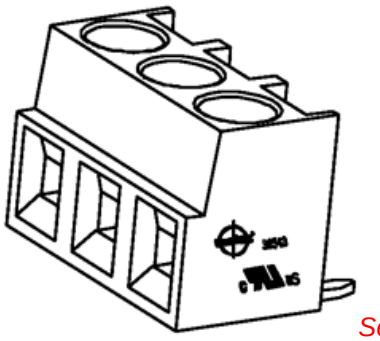
This document was generated on 04/27/2010

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

**Part Number:** 0395433102

**Status:** Active

**Description:** 5.00mm (.197") Pitch Eurostyle™ Horizontal Fixed Mount PCB Terminal Block, 2 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | Terminal Blocks |
| Series | 39543 |
| Application | Wire-to-Board |
| Component Type | One Piece |
| Product Literature Order No | USA-355 |
| Product Name | ESE, Eurostyle™Fixed Mount |
| Type | Euro Block |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 2 |
| Entry Angle | Vertical |
| Lock to Mating Part | None |
| 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) | 0.197 In |
| Pitch - Mating Interface (mm) | 5.00 mm |
| Polarized to Mating Part | N/A |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |
| Wire Size AWG | 16, 18, 20, 22, 24 |
| Wire Size $mm^2$ | 0.20 - 1.31 |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 10A |
| Voltage - Maximum | 300V |

## Solder Process Data

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 5 |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature | 135 |
| Process Temperature max. C | 260 |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Sales Drawing | SD-39501-002, SD-39543-006 |

**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
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

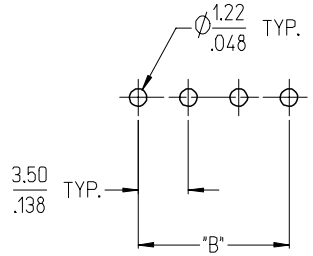
**Search Parts in this Series**
39543Series

This document was generated on 04/27/2010

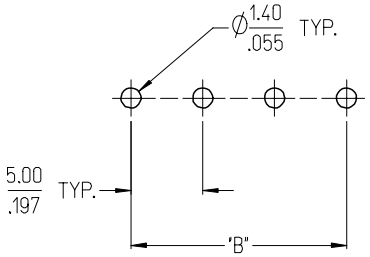
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

39501

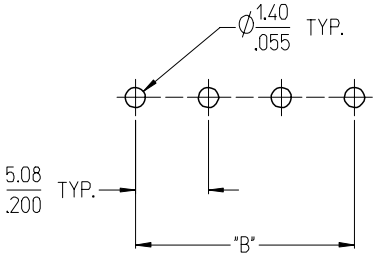
## 3950X SERIES
## 3.50mm HEADERS



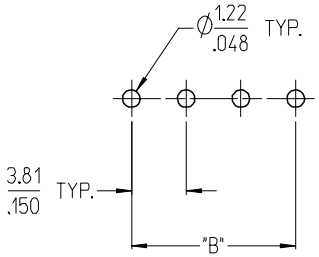

## 3952X & 3954X SERIES
## 5.00mm HEADERS
## 5.00mm 10 AMP FIXED



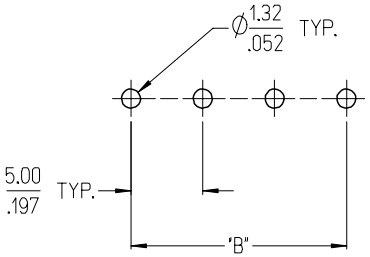

## 3953X SERIES
## 5.08mm HEADERS



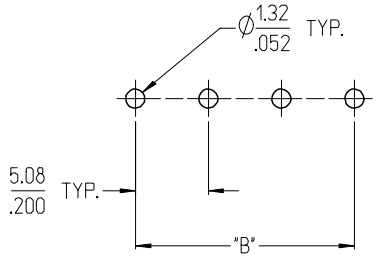

## 3951X SERIES
## 3.81mm HEADERS




## 3954X SERIES
## 5.00mm 15 AMP FIXED




## 3954X SERIES
## 5.08mm 15 AMP FIXED




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.

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

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .01 |
| 1 PLACE | ± 0.3 | ± --- |
| ANGULAR ± 2 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 3:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

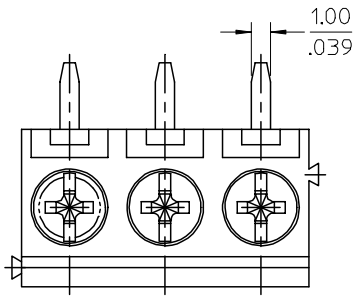
| | | |
|---|---|---|
| DRAWN BY | C. YORK | DATE 2006/08/25 |
| CHECKED BY | J. MACNEIL | DATE 2006/08/25 |
| APPROVED BY | J. MACNEIL | DATE 2006/08/25 |

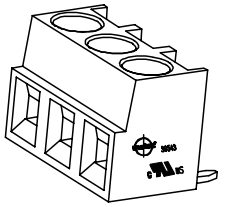
TITLE: RECOMMENDED PCB LAYOUT FOR ESE TERMINAL BLOCKS

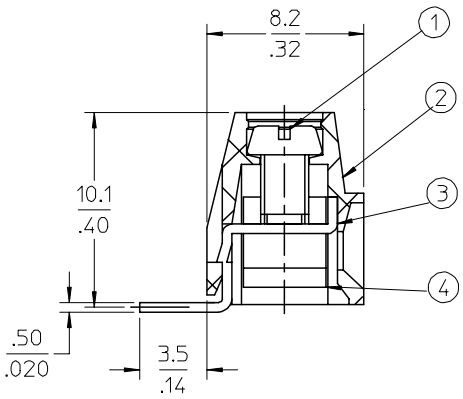
MOLEX INCORPORATED

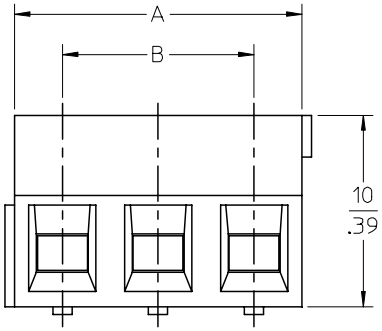
MATERIAL NO.: --
DOCUMENT NO.: SD-39501-002
SHEET NO.: 1 OF 1
SIZE: B

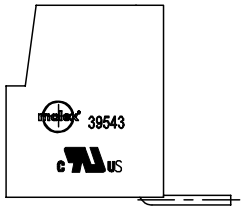
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION






NOTES:
SPECIFICATIONS:
1. Material:
 (1). Screw: C1010.
 (2). Body: PA66
 (3). Terminal: Brass
 (4). Cage: Brass
2. Wire range: 24 - 16AWG.
3. Electrical rating: 300V, 10A.
4. MAX TORQUE: 3.5 in-lbs.
5. Wire strip length: 5.5mm.
6. Dielectric withstands: AC2500V for 1 minute.
7. Breakdown voltage: 4000v(1.2/50us), 5 times.
8. Insulation resistance: DC500V, 1000M.
9. Operating temperature: -40C to +105C.
10. A = N x P.
11. B = (N - 1) x P
12. P = (Pitch) = 5.00MM (.197").
13. N = Number of positions available 2 through 24.

ENTER DESCRIPTION
EC NO: NEO2006-0310 2006/01/09
DRWN:LROTHAUS 2006/01/09
CH'KD:CYORK 2006/01/10
APPR: JPAWLICK
DESCRIPTION
REV
A

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ±.0015 |
| 3 PLACES | ± 0.038 | ±.005 |
| 2 PLACES | ± 0.13 | ±.01 |
| 1 PLACE | ± 0.3 | ± --- |
| ANGULAR ± 2 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: LROTHAUS DATE: 12/6/05
CHECKED BY: C. YORK DATE: 01/06/06
APPROVED BY: DATE:

TITLE: 5.0MM, EURO TERM BLOCK RIGHT ANGLE, PC MOUNT STACKABLE, STAMPED TERM

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39543-006
SHEET NO.: 1 OF 1
SIZE: B

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

| Description | Circuit size | Material Numbers Molded to Length | | | | | | Material Numbers Stackable | | | | | | Dimensional Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Black | | | Green | | | Black | | | Green | | | | | | |
| | | 100% Tin | | | 100% Tin | | | 100% Tin | | | 100% Tin | | | | | | |
| | | Printing Options | | | Printing Options | | | Printing Options | | | Printing Options | | | Dim. A | | Dim B | |
| | | None | 10A | 11A | None | 10A | 11A | None | 10A | 11A | None | 10A | 11A | mm | inch | mm | inch |
| 5.0mm, Euro Block, PC Mount, Right Angle | 2 | 395433102 | 395435102 | 395437102 | 395933102 | 395935102 | 395937102 | 395434502 | 395436502 | 395438502 | 395934502 | 395936502 | 395938502 | 10.00 | 0.394 | 5.00 | 0.197 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 3 | 395433103 | 395435103 | 395437103 | 395933103 | 395935103 | 395937103 | 395434503 | 395436503 | 395438503 | 395934503 | 395936503 | 395938503 | 15.00 | 0.591 | 10.00 | 0.394 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 4 | 395433104 | 395435104 | 395437104 | 395933104 | 395935104 | 395937104 | N/A | N/A | N/A | N/A | N/A | N/A | 20.00 | 0.787 | 15.00 | 0.591 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 5 | 395433105 | 395435105 | 395437105 | 395933105 | 395935105 | 395937105 | N/A | N/A | N/A | N/A | N/A | N/A | 25.00 | 0.984 | 20.00 | 0.787 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 6 | 395433106 | 395435106 | 395437106 | 395933106 | 395935106 | 395937106 | N/A | N/A | N/A | N/A | N/A | N/A | 30.00 | 1.181 | 25.00 | 0.984 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 7 | 395433107 | 395435107 | 395437107 | 395933107 | 395935107 | 395937107 | N/A | N/A | N/A | N/A | N/A | N/A | 35.00 | 1.378 | 30.00 | 1.181 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 8 | 395433108 | 395435108 | 395437108 | 395933108 | 395935108 | 395937108 | N/A | N/A | N/A | N/A | N/A | N/A | 40.00 | 1.575 | 35.00 | 1.378 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 9 | 395433109 | 395435109 | 395437109 | 395933109 | 395935109 | 395937109 | N/A | N/A | N/A | N/A | N/A | N/A | 45.00 | 1.772 | 40.00 | 1.575 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 10 | 395433110 | 395435110 | 395437110 | 395933110 | 395935110 | 395937110 | N/A | N/A | N/A | N/A | N/A | N/A | 50.00 | 1.969 | 45.00 | 1.772 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 11 | 395433111 | 395435111 | 395437111 | 395933111 | 395935111 | 395937111 | N/A | N/A | N/A | N/A | N/A | N/A | 55.00 | 2.165 | 50.00 | 1.969 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 12 | 395433112 | 395435112 | 395437112 | 395933112 | 395935112 | 395937112 | N/A | N/A | N/A | N/A | N/A | N/A | 60.00 | 2.362 | 55.00 | 2.165 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 13 | 395433113 | 395435113 | 395437113 | 395933113 | 395935113 | 395937113 | N/A | N/A | N/A | N/A | N/A | N/A | 65.00 | 2.559 | 60.00 | 2.362 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 14 | 395433114 | 395435114 | 395437114 | 395933114 | 395935114 | 395937114 | N/A | N/A | N/A | N/A | N/A | N/A | 70.00 | 2.756 | 65.00 | 2.559 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 15 | 395433115 | 395435115 | 395437115 | 395933115 | 395935115 | 395937115 | N/A | N/A | N/A | N/A | N/A | N/A | 75.00 | 2.953 | 70.00 | 2.756 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 16 | 395433116 | 395435116 | 395437116 | 395933116 | 395935116 | 395937116 | N/A | N/A | N/A | N/A | N/A | N/A | 80.00 | 3.150 | 75.00 | 2.953 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 17 | 395433117 | 395435117 | 395437117 | 395933117 | 395935117 | 395937117 | N/A | N/A | N/A | N/A | N/A | N/A | 85.00 | 3.346 | 80.00 | 3.150 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 18 | 395433118 | 395435118 | 395437118 | 395933118 | 395935118 | 395937118 | N/A | N/A | N/A | N/A | N/A | N/A | 90.00 | 3.543 | 85.00 | 3.346 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 19 | 395433119 | 395435119 | 395437119 | 395933119 | 395935119 | 395937119 | N/A | N/A | N/A | N/A | N/A | N/A | 95.00 | 3.740 | 90.00 | 3.543 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 20 | 395433120 | 395435120 | 395437120 | 395933120 | 395935120 | 395937120 | N/A | N/A | N/A | N/A | N/A | N/A | 100.00 | 3.937 | 95.00 | 3.740 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 21 | 395433121 | 395435121 | 395437121 | 395933121 | 395935121 | 395937121 | N/A | N/A | N/A | N/A | N/A | N/A | 105.00 | 4.134 | 100.00 | 3.937 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 22 | 395433122 | 395435122 | 395437122 | 395933122 | 395935122 | 395937122 | N/A | N/A | N/A | N/A | N/A | N/A | 110.00 | 4.331 | 105.00 | 4.134 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 23 | 395433123 | 395435123 | 395437123 | 395933123 | 395935123 | 395937123 | N/A | N/A | N/A | N/A | N/A | N/A | 115.00 | 4.528 | 110.00 | 4.331 |
| 5.0mm, Euro Block, PC Mount, Right Angle | 24 | 395433124 | 395435124 | 395437124 | 395933124 | 395935124 | 395937124 | N/A | N/A | N/A | N/A | N/A | N/A | 120.00 | 4.724 | 115.00 | 4.528 |

SEE SHEET 1
EC NO: NEO2006-0310 2006/01/09
DRWN:LROTHAUS 2006/01/09
CH'KD:CYORK
APPR: JPAWLICK 2006/01/10
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ±.0015 |
| 3 PLACES | ± 0.038 | ±.005 |
| 2 PLACES | ± 0.13 | ±.01 |
| 1 PLACE | ± 0.3 | ± --- |
| ANGULAR ± 2 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: LROTHAUS DATE: 12/6/05
CHECKED BY: C. YORK DATE: 01/06/06
APPROVED BY: DATE:

TITLE: 5.0MM, EURO TERM. BLOCK RIGHT ANGLE, PC MOUNT, STACKABLE, STAMPED TERM.

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39543-006
SHEET NO.: 2 OF 2

SIZE B

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