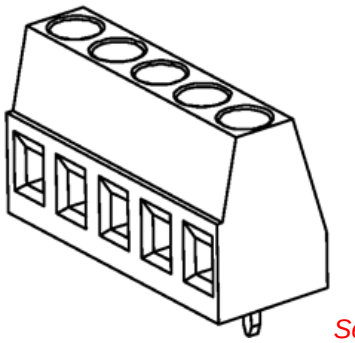
This document was generated on 04/27/2010

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

**Part Number:** 0395433003

**Status:** Active

**Description:** 5.00mm (.197") Pitch Eurostyle™ Vertical Fixed Mount PCB Terminal Block, 3 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) | 3 |
| Entry Angle | Horizontal |
| Lock to Mating Part | None |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.118 In |
| PC Tail Length (mm) | 3.00 mm |
| PCB Thickness Recommended (in) | 0.080 In |
| PCB Thickness Recommended (mm) | 2.00 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 | 14, 16, 18, 20, 22 |
| Wire Size $mm^2$ | 0.33 - 2.08 |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 15A |
| 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-39543-005 |

**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.

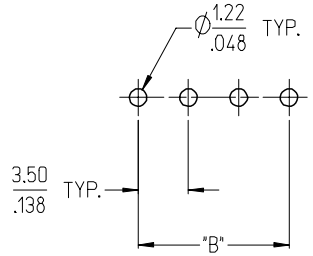
**Search Parts in this Series**
39543Series

This document was generated on 04/27/2010

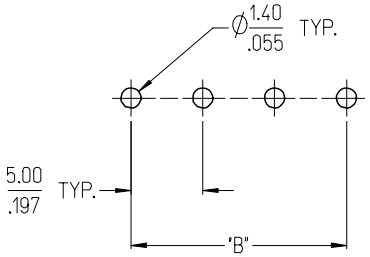
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

39501

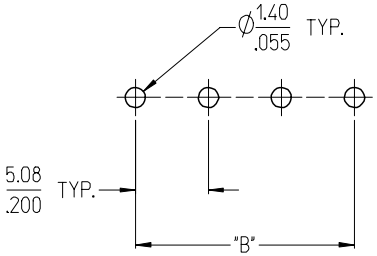
## 3950X SERIES
## 3.50mm HEADERS



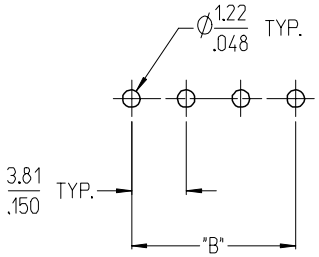

## 3952X & 3954X SERIES
## 5.00mm HEADERS
## 5.00mm 10 AMP FIXED



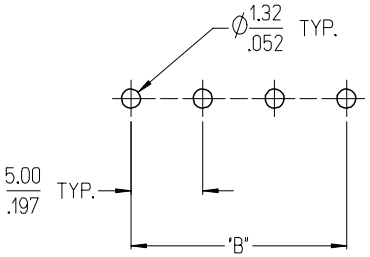

## 3953X SERIES
## 5.08mm HEADERS



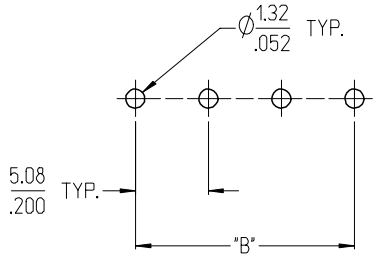

## 3951X SERIES
## 3.81mm HEADERS




## 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 |

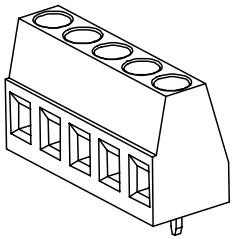
TITLE: RECOMMENDED PCB LAYOUT FOR ESE TERMINAL BLOCKS

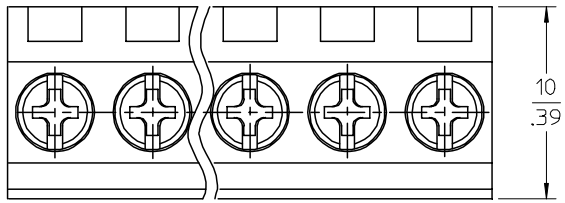
MOLEX INCORPORATED

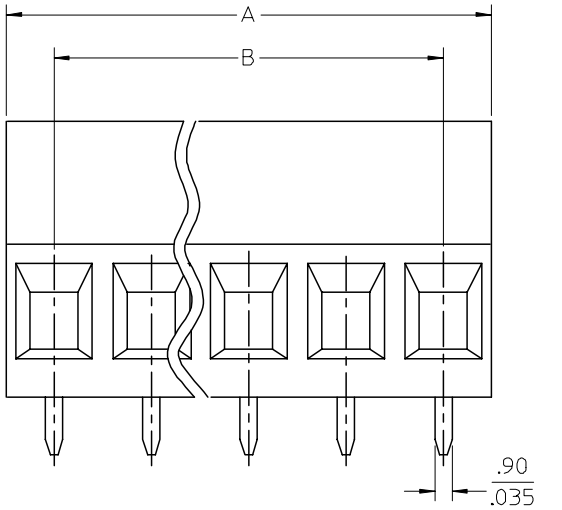
MATERIAL NO.: --
DOCUMENT NO.: SD-39501-002
SHEET NO.: 1 OF 1
SIZE: B

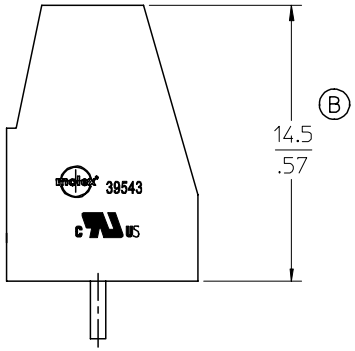
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

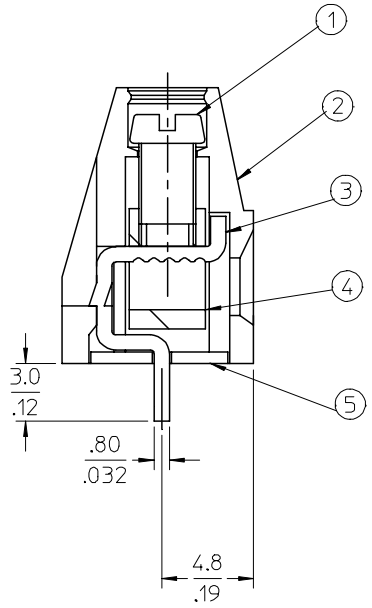
39543






**SPECIFICATIONS:**

1. Material:
   (1). Screw: C1010.
   (2). Body: PA66
   (3). Terminal: Brass
   (4). cage: Brass
   (5). Cover: PA66
2. Wire range: 22 - 14AWG.
3. Electrical rating: 300V, 15A.
4. MAX TORQUE: 4.5 in-lbs.
5. Wire strip length: 5.00mm.
8. Insulation resistance: DC500V, 500M.
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.

(B) 14. ALL COMPONENTS ARE ROHS COMPLIANT.

ADDED DIM. & ROHS NOTE
EC NO: ETC2007-0156
DRWN:EHILE 2006/10/11
CH'KD:JMACNEIL 2006/10/11
APPR:JMACNEIL 2006/10/12
DESCRIPTION
REV
B

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 VERTICAL, PC MOUNT STAMPED TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39543-005
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 | | | | | | Dimensional Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Black | | | Green | | | | | | |
| | | 100% Tin | | | 100% Tin | | | | | | |
| | | Printing Options | | | Printing Options | | | Dim. A | | Dim B | |
| | | None | 10A | 11A | None | 10A | 11A | mm | inch | mm | inch |
| 5.0mm, Euro Block, PC Mount, Vertical | 2 | 395433002 | 395435002 | 395437002 | 395933002 | 395935002 | 395937002 | 10.00 | 0.394 | 5.00 | 0.197 |
| 5.0mm, Euro Block, PC Mount, Vertical | 3 | 395433003 | 395435003 | 395437003 | 395933003 | 395935003 | 395937003 | 15.00 | 0.591 | 10.00 | 0.394 |
| 5.0mm, Euro Block, PC Mount, Vertical | 4 | 395433004 | 395435004 | 395437004 | 395933004 | 395935004 | 395937004 | 20.00 | 0.787 | 15.00 | 0.591 |
| 5.0mm, Euro Block, PC Mount, Vertical | 5 | 395433005 | 395435005 | 395437005 | 395933005 | 395935005 | 395937005 | 25.00 | 0.984 | 20.00 | 0.787 |
| 5.0mm, Euro Block, PC Mount, Vertical | 6 | 395433006 | 395435006 | 395437006 | 395933006 | 395935006 | 395937006 | 30.00 | 1.181 | 25.00 | 0.984 |
| 5.0mm, Euro Block, PC Mount, Vertical | 7 | 395433007 | 395435007 | 395437007 | 395933007 | 395935007 | 395937007 | 35.00 | 1.378 | 30.00 | 1.181 |
| 5.0mm, Euro Block, PC Mount, Vertical | 8 | 395433008 | 395435008 | 395437008 | 395933008 | 395935008 | 395937008 | 40.00 | 1.575 | 35.00 | 1.378 |
| 5.0mm, Euro Block, PC Mount, Vertical | 9 | 395433009 | 395435009 | 395437009 | 395933009 | 395935009 | 395937009 | 45.00 | 1.772 | 40.00 | 1.575 |
| 5.0mm, Euro Block, PC Mount, Vertical | 10 | 395433010 | 395435010 | 395437010 | 395933010 | 395935010 | 395937010 | 50.00 | 1.969 | 45.00 | 1.772 |
| 5.0mm, Euro Block, PC Mount, Vertical | 11 | 395433011 | 395435011 | 395437011 | 395933011 | 395935011 | 395937011 | 55.00 | 2.165 | 50.00 | 1.969 |
| 5.0mm, Euro Block, PC Mount, Vertical | 12 | 395433012 | 395435012 | 395437012 | 395933012 | 395935012 | 395937012 | 60.00 | 2.362 | 55.00 | 2.165 |
| 5.0mm, Euro Block, PC Mount, Vertical | 13 | 395433013 | 395435013 | 395437013 | 395933013 | 395935013 | 395937013 | 65.00 | 2.559 | 60.00 | 2.362 |
| 5.0mm, Euro Block, PC Mount, Vertical | 14 | 395433014 | 395435014 | 395437014 | 395933014 | 395935014 | 395937014 | 70.00 | 2.756 | 65.00 | 2.559 |
| 5.0mm, Euro Block, PC Mount, Vertical | 15 | 395433015 | 395435015 | 395437015 | 395933015 | 395935015 | 395937015 | 75.00 | 2.953 | 70.00 | 2.756 |
| 5.0mm, Euro Block, PC Mount, Vertical | 16 | 395433016 | 395435016 | 395437016 | 395933016 | 395935016 | 395937016 | 80.00 | 3.150 | 75.00 | 2.953 |
| 5.0mm, Euro Block, PC Mount, Vertical | 17 | 395433017 | 395435017 | 395437017 | 395933017 | 395935017 | 395937017 | 85.00 | 3.346 | 80.00 | 3.150 |
| 5.0mm, Euro Block, PC Mount, Vertical | 18 | 395433018 | 395435018 | 395437018 | 395933018 | 395935018 | 395937018 | 90.00 | 3.543 | 85.00 | 3.346 |
| 5.0mm, Euro Block, PC Mount, Vertical | 19 | 395433019 | 395435019 | 395437019 | 395933019 | 395935019 | 395937019 | 95.00 | 3.740 | 90.00 | 3.543 |
| 5.0mm, Euro Block, PC Mount, Vertical | 20 | 395433020 | 395435020 | 395437020 | 395933020 | 395935020 | 395937020 | 100.00 | 3.937 | 95.00 | 3.740 |
| 5.0mm, Euro Block, PC Mount, Vertical | 21 | 395433021 | 395435021 | 395437021 | 395933021 | 395935021 | 395937021 | 105.00 | 4.134 | 100.00 | 3.937 |
| 5.0mm, Euro Block, PC Mount, Vertical | 22 | 395433022 | 395435022 | 395437022 | 395933022 | 395935022 | 395937022 | 110.00 | 4.331 | 105.00 | 4.134 |
| 5.0mm, Euro Block, PC Mount, Vertical | 23 | 395433023 | 395435023 | 395437023 | 395933023 | 395935023 | 395937023 | 115.00 | 4.528 | 110.00 | 4.331 |
| 5.0mm, Euro Block, PC Mount, Vertical | 24 | 395433024 | 395435024 | 395437024 | 395933024 | 395935024 | 395937024 | 120.00 | 4.724 | 115.00 | 4.528 |

ADDED DIM. & ROHS NOTE
EC NO: ETC2007-0156 2006/10/11
DRWN:EHILE 2006/10/11
CH'KD:JMACNEIL 2006/10/12
APPR:JMACNEIL
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
▽C=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 VERTICAL, PC MOUNT, STAMPED TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39543-005
SHEET NO.: 2 OF 2

SIZE: B

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