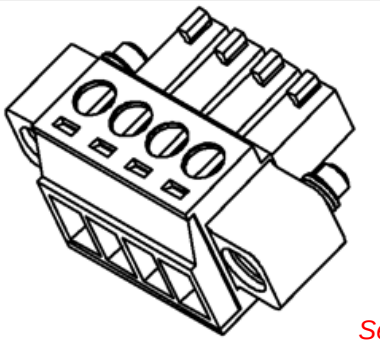
This document was generated on 02/09/2010

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

**Part Number:** 0395140002

**Status:** Active

**Description:** 3.81mm (.150") Pitch Eurostyle™ Horizontal Plug, with Retention Screws, 2 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-39500-001 (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | Terminal Blocks |
| Series | 39514 |
| Application | Wire-to-Board |
| Component Type | Plug |
| Product Literature Order No | USA-355 |
| Product Name | ESE, Eurostyle™Pluggable |
| Type | Euro Block |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 2 |
| Entry Angle | Vertical |
| Lock to Mating Part | Yes |
| Number of Rows | 1 |
| Orientation | Horizontal |
| Panel Mount | No |
| Pitch - Mating Interface (in) | 0.150 In |
| Pitch - Mating Interface (mm) | 3.81 mm |
| Polarized to Mating Part | Yes |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |
| Wire Size AWG | 16, 18, 20, 22, 24 |
| Wire Size mm² | 0.20 - 1.31 |

## Electrical

| | |
|---|---|
| Current - Maximum | 8A |
| Voltage - Maximum | 300V |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-39500-001 |
| Sales Drawing | SD-39514-001 |

**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

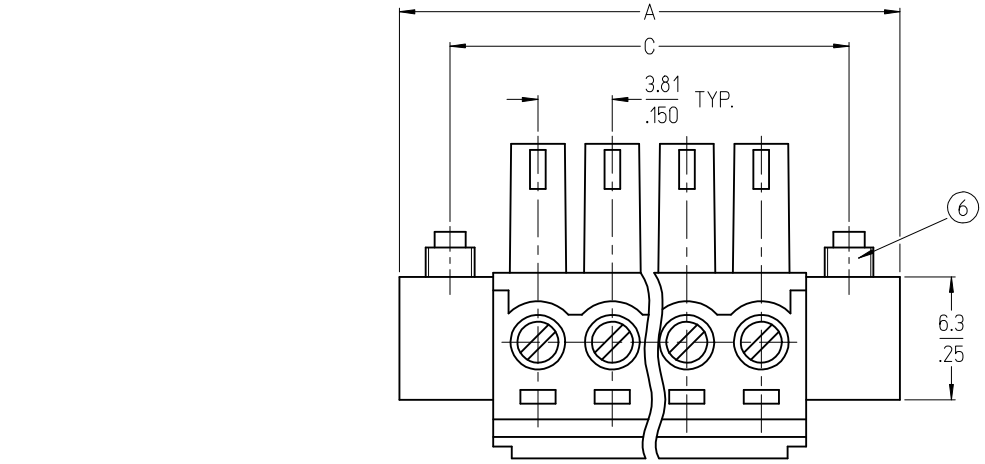
Please visit the Contact Us section for any non-product compliance questions.

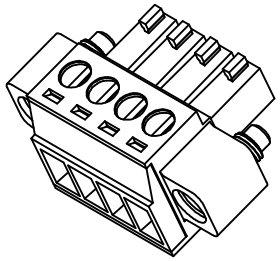
**Search Parts in this Series**
39514Series

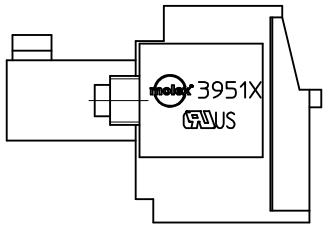
**Mates With**
Most 3.81mm (.150") Pitch Industry Standard PCB Headers, 39515 Vertical PCB Header with Threaded Retention Inserts, 39516 Horizontal PCB Header with Threaded Retention Inserts

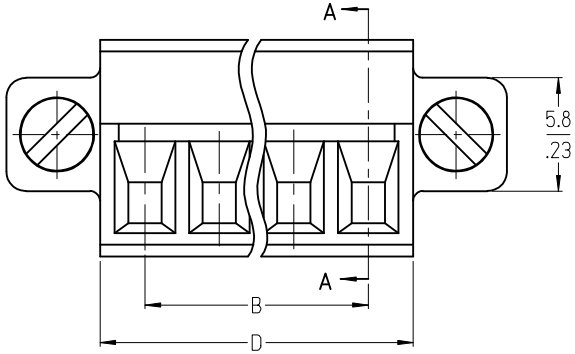
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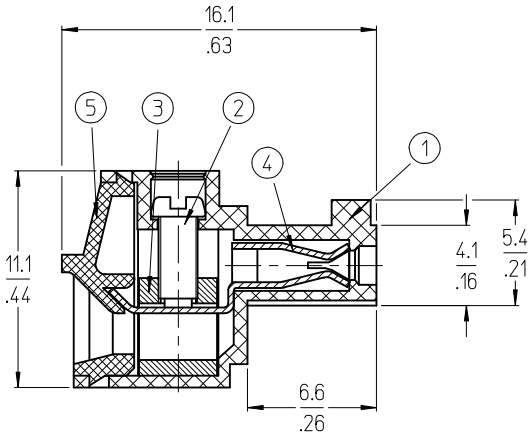
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**






SECTION
A-A

SPECIFICATIONS:

1. MATERIAL:
   (1). BODY: NYLON 66 (PA 66)
   (2). SCREW: STEEL.
   (3). CAGE (*): BRASS
   (4). TERMINAL: BRASS
   (5). COVER: NYLON 66 (PA 66)
   (6). SCREW: STEEL.
2. PRODUCT SPECIFICATION: PS-39500-001.
3. WIRE RANGE: 30 - 16AWG.
4. TORQUE: 2 in-lbs.
5. WIRE STRIP LENGTH: 6.50/.256.
6. NUMBER OF CIRCUIT POSITIONS AVAILABLE = 2 THROUGH 20.
7. ASSEMBLY IS ROHS COMPLIANT BY EXEMPTION.
   COMPONENTS MARKED WITH AN ASTERISK (*) ARE ROHS COMPLIANT BY EXEMPTION, ALL OTHERS ARE ROHS COMPLIANT.

ADD IMPRINTING
EC NO: WNA2009-0618 2009/04/29
DRWN:CLYORK 2009/04/30
CH'KD:RDEROSS
APPR:RDEROSS 2009/05/01
DESCRIPTION
C
REV

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: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: EHILE DATE: 2006/03/20
CHECKED BY: EHILE DATE: 2006/03/20
APPROVED BY: RDEROSS DATE: 2006/03/20

TITLE: 3.81MM, EURO PLUG, RIGHT ANGLE, MTG ENDS

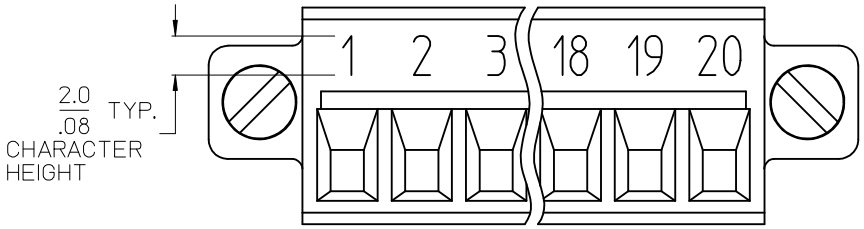
MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39514-001
SHEET NO.: 1 OF 2

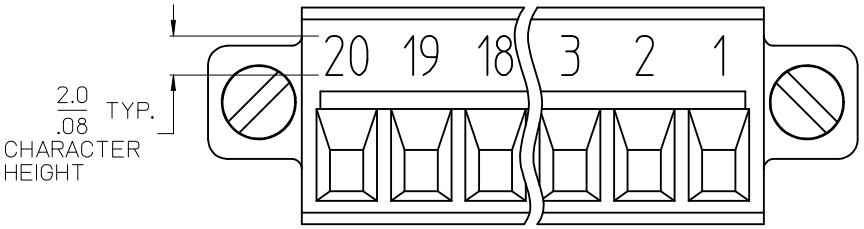
SIZE: B

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

| Circuit size | 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 | | Dim B | | Dim C | | Dim D | |
| | None | 10A | 11A | None | 10A | 11A | None | 10A | 11A | None | 10A | 11A | mm | inch | mm | inch | mm | inch | mm | inch |
| 2 | 395140002 | 395140102 | 395140202 | 395140502 | 395140602 | 395140702 | 395145002 | 395145102 | 395145202 | 395145502 | 395145602 | 395145702 | 18.0 | .71 | 3.8 | .15 | 12.8 | .50 | 8.4 | .33 |
| 3 | 395140003 | 395140103 | 395140203 | 395140503 | 395140603 | 395140703 | 395145003 | 395145103 | 395145203 | 395145503 | 395145603 | 395145703 | 21.8 | .86 | 7.6 | .30 | 16.6 | .65 | 12.2 | .48 |
| 4 | 395140004 | 395140104 | 395140204 | 395140504 | 395140604 | 395140704 | 395145004 | 395145104 | 395145204 | 395145504 | 395145604 | 395145704 | 25.6 | 1.01 | 11.4 | .45 | 20.4 | .80 | 16.0 | .63 |
| 5 | 395140005 | 395140105 | 395140205 | 395140505 | 395140605 | 395140705 | 395145005 | 395145105 | 395145205 | 395145505 | 395145605 | 395145705 | 29.4 | 1.16 | 15.2 | .60 | 24.2 | .95 | 19.8 | .78 |
| 6 | 395140006 | 395140106 | 395140206 | 395140506 | 395140606 | 395140706 | 395145006 | 395145106 | 395145206 | 395145506 | 395145606 | 395145706 | 33.3 | 1.31 | 19.1 | .75 | 28.1 | 1.10 | 23.7 | .93 |
| 7 | 395140007 | 395140107 | 395140207 | 395140507 | 395140607 | 395140707 | 395145007 | 395145107 | 395145207 | 395145507 | 395145607 | 395145707 | 37.1 | 1.46 | 22.9 | .90 | 31.9 | 1.25 | 27.5 | 1.08 |
| 8 | 395140008 | 395140108 | 395140208 | 395140508 | 395140608 | 395140708 | 395145008 | 395145108 | 395145208 | 395145508 | 395145608 | 395145708 | 40.9 | 1.61 | 26.7 | 1.05 | 35.7 | 1.40 | 31.3 | 1.23 |
| 9 | 395140009 | 395140109 | 395140209 | 395140509 | 395140609 | 395140709 | 395145009 | 395145109 | 395145209 | 395145509 | 395145609 | 395145709 | 44.7 | 1.76 | 30.5 | 1.20 | 39.5 | 1.55 | 35.1 | 1.38 |
| 10 | 395140010 | 395140110 | 395140210 | 395140510 | 395140610 | 395140710 | 395145010 | 395145110 | 395145210 | 395145510 | 395145610 | 395145710 | 48.5 | 1.91 | 34.3 | 1.35 | 43.3 | 1.70 | 38.9 | 1.53 |
| 11 | 395140011 | 395140111 | 395140211 | 395140511 | 395140611 | 395140711 | 395145011 | 395145111 | 395145211 | 395145511 | 395145611 | 395145711 | 52.3 | 2.06 | 38.1 | 1.50 | 47.1 | 1.85 | 42.7 | 1.68 |
| 12 | 395140012 | 395140112 | 395140212 | 395140512 | 395140612 | 395140712 | 395145012 | 395145112 | 395145212 | 395145512 | 395145612 | 395145712 | 56.1 | 2.21 | 41.9 | 1.65 | 50.9 | 2.00 | 46.5 | 1.83 |
| 13 | 395140013 | 395140113 | 395140213 | 395140513 | 395140613 | 395140713 | 395145013 | 395145113 | 395145213 | 395145513 | 395145613 | 395145713 | 59.9 | 2.36 | 45.7 | 1.80 | 54.7 | 2.15 | 50.3 | 1.98 |
| 14 | 395140014 | 395140114 | 395140214 | 395140514 | 395140614 | 395140714 | 395145014 | 395145114 | 395145214 | 395145514 | 395145614 | 395145714 | 63.7 | 2.51 | 49.5 | 1.95 | 58.5 | 2.30 | 54.1 | 2.13 |
| 15 | 395140015 | 395140115 | 395140215 | 395140515 | 395140615 | 395140715 | 395145015 | 395145115 | 395145215 | 395145515 | 395145615 | 395145715 | 67.5 | 2.66 | 53.3 | 2.10 | 62.3 | 2.45 | 57.9 | 2.28 |
| 16 | 395140016 | 395140116 | 395140216 | 395140516 | 395140616 | 395140716 | 395145016 | 395145116 | 395145216 | 395145516 | 395145616 | 395145716 | 71.4 | 2.81 | 57.2 | 2.25 | 66.2 | 2.60 | 61.8 | 2.43 |
| 17 | 395140017 | 395140117 | 395140217 | 395140517 | 395140617 | 395140717 | 395145017 | 395145117 | 395145217 | 395145517 | 395145617 | 395145717 | 75.2 | 2.96 | 61.0 | 2.40 | 70.0 | 2.75 | 65.6 | 2.58 |
| 18 | 395140018 | 395140118 | 395140218 | 395140518 | 395140618 | 395140718 | 395145018 | 395145118 | 395145218 | 395145518 | 395145618 | 395145718 | 79.0 | 3.11 | 64.8 | 2.55 | 73.8 | 2.90 | 69.4 | 2.73 |
| 19 | 395140019 | 395140119 | 395140219 | 395140519 | 395140619 | 395140719 | 395145019 | 395145119 | 395145219 | 395145519 | 395145619 | 395145719 | 82.8 | 3.26 | 68.6 | 2.70 | 77.6 | 3.05 | 73.2 | 2.88 |
| 20 | 395140020 | 395140120 | 395140220 | 395140520 | 395140620 | 395140720 | 395145020 | 395145120 | 395145220 | 395145520 | 395145620 | 395145720 | 86.6 | 3.41 | 72.4 | 2.85 | 81.4 | 3.20 | 77.0 | 3.03 |




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SEE SHEET ONE
EC NO: WNA2009-0618 2009/04/29
DRWN:CLYORK 2009/04/30
CH'KD:RDEROSS
APPR:RDEROSS 2009/05/01
DESCRIPTION
REV
C

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
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APPROVED BY: RDEROSS DATE: 2006/03/20

TITLE: 3.81MM, EURO PLUG, RIGHT ANGLE, MTG ENDS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-39514-001
SHEET NO.: 2 OF 2

SIZE B

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