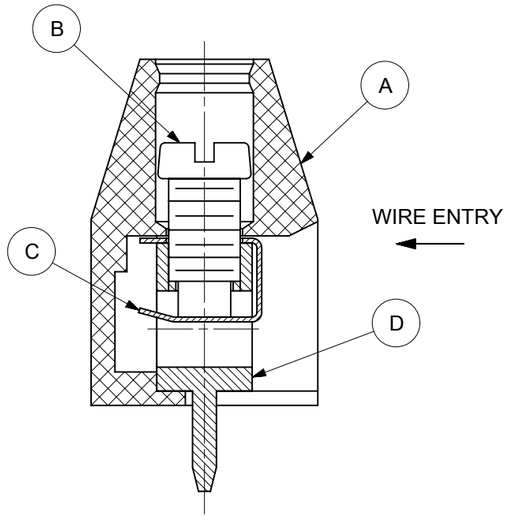
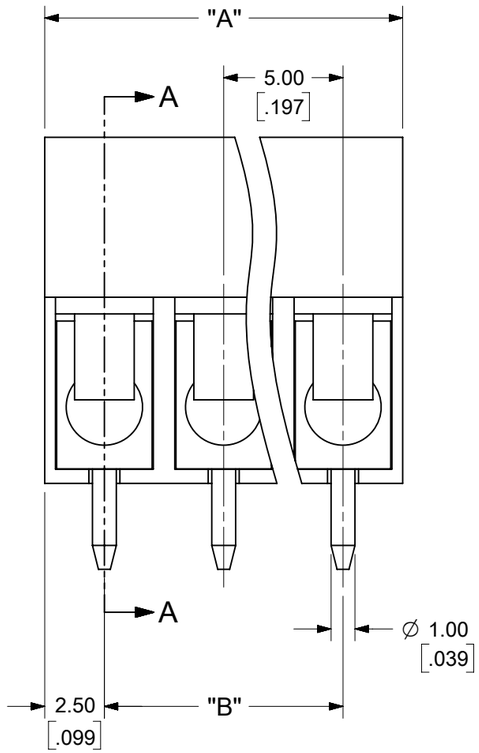
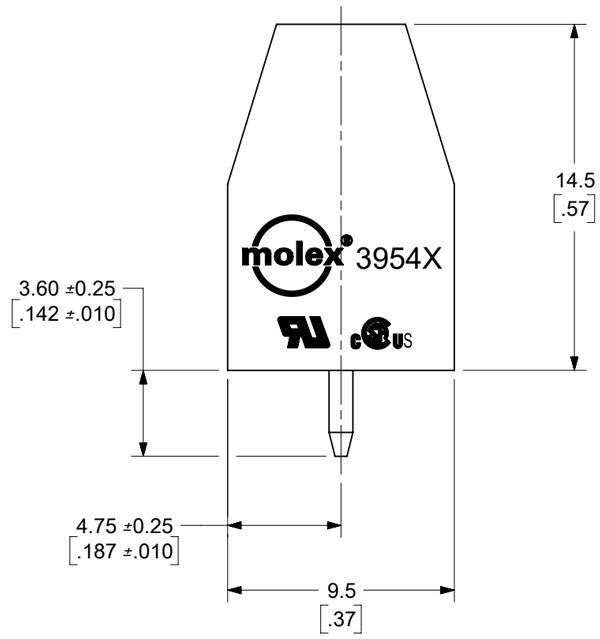


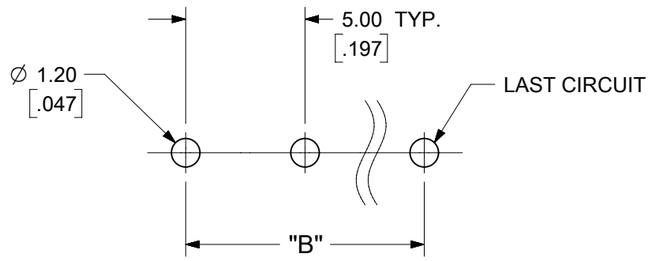




SPECIFICATIONS

1. MATERIAL:
   (A). BODY: NYLON (PA66), UL94 V-0, COLOR: SEE SHEET-2
   (B). SCREW: STEEL, M3.0, ZINC PLATED
   (C). CONTACT: BRASS, NICKEL PLATED
   (D). TERMINAL BLOCK: BRASS, TIN PLATED
2. WIRE RATING: 24-14 AWG
3. ELECTRICAL RATING: 300V, 15A
4. POWER-FREQUENCY WITHSTAND: AC 2500V/1 MIN
5. INSULATION RESISTANCE: DC500V 500MΩ OR ABOVE
6. RATED IMPULSE VOLTAGE: 4000V/MINUS AND PLUS 5 TIMES EACH
7. WIRE STRIP LENGTH: 7.0mm [.28inch]
8. SCREW TORQUE (MAX): 0.34 N.m (3.0 lbf.in)
9. OPERATING TEMPERATURE: -40°C TO +105°C
10. NUMBER OF CIRCUITS: 2 TO 24, SEE SHEET-2

| TOLERANCES | | | |
|---|---|---|---|
| MM | TOL | INCH | TOL |
| 0-6 | ±0.25 | 0-.24 | ±.010 |
| >6-30 | ±0.40 | .24-1.18 | ±.016 |
| >30-120 | ±0.50 | 1.18-4.76 | ±.020 |
| >120 | ±0.80 | >4.76 | ±.031 |




PCB LAYOUT

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FE = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: MM/INCH | SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | MM | INCH |
|---|---|---|
| 4 PLACES | ± | ± |
| 3 PLACES | ± | ± SEE CHART |
| 2 PLACES | ± SEE CHART | ± SEE CHART |
| 1 PLACE | ± SEE CHART | ± |
| 0 PLACES | ± | ± |
| ANGULAR TOL | ± ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC: MIGRATED TO ECTR/NX & ADDED PCB LAYOUT

EC NO: 637366
DRWN: ABENJAMINLW 2020/04/14
CHK'D: DACHAMMER 2020/05/18
APPR: JFMURPHY 2020/05/29

INITIAL REVISION:
DRWN: LROTHAUS 2006/01/09
APPR: JPAWLICK 2006/01/10

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 39543

molex

EURO TERMINAL BLOCK
5.00MM (.197) PITCH PC MOUNT, VERTICAL

PRODUCT CUSTOMER DRAWING

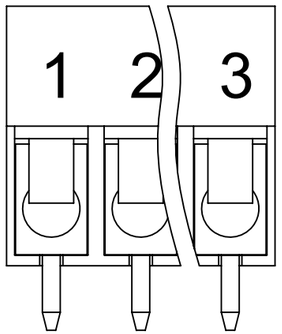
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-39543-003 | PSD | 001 | B2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET-2 | GENERAL MARKET | 1 OF 2 |

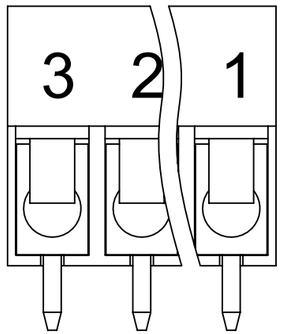
| DOCUMENT STATUS | P1 | RELEASE DATE | 2020/05/29 16:35:51 |
|---|---|---|---|

FORMAT: Eng-lega-master-tb-prod-B
REVISION: E
DATE: 2020/01/14

| CIRCUIT SIZE | MATERIAL NUMBERS MOLDED TO LENGTH | | | | | | 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 |
| 2 | 395430002 | 395431002 | 395432002 | 395930002 | 395931002 | 395932002 | 10.0 | .39 | 5.00 | .197 |
| 3 | 395430003 | 395431003 | 395432003 | 395930003 | 395931003 | 395932003 | 15.0 | .59 | 10.00 | .394 |
| 4 | 395430004 | 395431004 | 395432004 | 395930004 | 395931004 | 395932004 | 20.0 | .79 | 15.00 | .591 |
| 5 | 395430005 | 395431005 | 395432005 | 395930005 | 395931005 | 395932005 | 25.0 | .98 | 20.00 | .787 |
| 6 | 395430006 | 395431006 | 395432006 | 395930006 | 395931006 | 395932006 | 30.0 | 1.18 | 25.00 | .984 |
| 7 | 395430007 | 395431007 | 395432007 | 395930007 | 395931007 | 395932007 | 35.0 | 1.38 | 30.00 | 1.181 |
| 8 | 395430008 | 395431008 | 395432008 | 395930008 | 395931008 | 395932008 | 40.0 | 1.57 | 35.00 | 1.378 |
| 9 | 395430009 | 395431009 | 395432009 | 395930009 | 395931009 | 395932009 | 45.0 | 1.77 | 40.00 | 1.575 |
| 10 | 395430010 | 395431010 | 395432010 | 395930010 | 395931010 | 395932010 | 50.0 | 1.97 | 45.00 | 1.772 |
| 11 | 395430011 | 395431011 | 395432011 | 395930011 | 395931011 | 395932011 | 55.0 | 2.17 | 50.00 | 1.969 |
| 12 | 395430012 | 395431012 | 395432012 | 395930012 | 395931012 | 395932012 | 60.0 | 2.36 | 55.00 | 2.165 |
| 13 | 395430013 | 395431013 | 395432013 | 395930013 | 395931013 | 395932013 | 65.0 | 2.56 | 60.00 | 2.362 |
| 14 | 395430014 | 395431014 | 395432014 | 395930014 | 395931014 | 395932014 | 70.0 | 2.76 | 65.00 | 2.559 |
| 15 | 395430015 | 395431015 | 395432015 | 395930015 | 395931015 | 395932015 | 75.0 | 2.95 | 70.00 | 2.756 |
| 16 | 395430016 | 395431016 | 395432016 | 395930016 | 395931016 | 395932016 | 80.0 | 3.15 | 75.00 | 2.953 |
| 17 | 395430017 | 395431017 | 395432017 | 395930017 | 395931017 | 395932017 | 85.0 | 3.35 | 80.00 | 3.150 |
| 18 | 395430018 | 395431018 | 395432018 | 395930018 | 395931018 | 395932018 | 90.0 | 3.54 | 85.00 | 3.346 |
| 19 | 395430019 | 395431019 | 395432019 | 395930019 | 395931019 | 395932019 | 95.0 | 3.74 | 90.00 | 3.543 |
| 20 | 395430020 | 395431020 | 395432020 | 395930020 | 395931020 | 395932020 | 100.0 | 3.94 | 95.00 | 3.740 |
| 21 | 395430021 | 395431021 | 395432021 | 395930021 | 395931021 | 395932021 | 105.0 | 4.13 | 100.00 | 3.937 |
| 22 | 395430022 | 395431022 | 395432022 | 395930022 | 395931022 | 395932022 | 110.0 | 4.33 | 105.00 | 4.134 |
| 23 | 395430023 | 395431023 | 395432023 | 395930023 | 395931023 | 395932023 | 115.0 | 4.53 | 110.00 | 4.331 |
| 24 | 395430024 | 395431024 | 395432024 | 395930024 | 395931024 | 395932024 | 120.0 | 4.72 | 115.00 | 4.528 |




REF. 10A PRINT OPT.




REF. 11A PRINT OPT.

| TOLERANCES | | | |
|---|---|---|---|
| MM | TOL | INCH | TOL |
| 0-6 | ±0.25 | 0-.24 | ±.010 |
| >6-30 | ±0.40 | .24-1.18 | ±.016 |
| >30-120 | ±0.50 | 1.18-4.76 | ±.020 |
| >120 | ±0.80 | >4.76 | ±.031 |

FUNCTIONAL SYMBOLS
EW = 0
EF = 0
EP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: MM/INCH
SCALE: 3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | MM | INCH |
|---|---|---|
| 4 PLACES | ± | ± |
| 3 PLACES | ± | ± SEE CHART |
| 2 PLACES | ± SEE CHART | ± SEE CHART |
| 1 PLACE | ± SEE CHART | ± |
| 0 PLACES | ± | ± |
| ANGULAR TOL | ± ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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DRWN: LROTHAUS 2006/01/09
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molex

EURO TERMINAL BLOCK
5.00MM (.197) PITCH PC MOUNT, VERTICAL

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-39543-003 | PSD | 001 | B2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | B-SIZE | 39543 | SEE CHART | GENERAL MARKET | 2 OF 2 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2020/05/29 16:35:51 |
|---|---|---|---|

FORMAT: Eng-lega-master-tb-prod-B
REVISION: E
DATE: 2020/01/14