

**SPECIFICATIONS**

1. MATERIAL:
  - (A). BODY: NYLON (PA66), UL94 V-0, COLOR: SEE SHEET-2
  - (B). SCREW: STEEL, M2.5, ZINC PLATED
  - (C). CONTACT: BRASS, NICKEL PLATED
  - (D). TERMINAL BLOCK: BRASS, TIN PLATED
2. WIRE RATING: 22-14 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

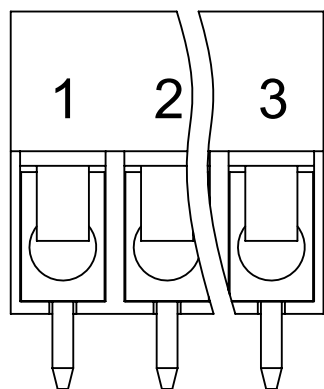
| TOLERANCES |       |           |       |
|------------|-------|-----------|-------|
| MM         | TOL   | INCH      | TOL   |
| 0-6        | ±0.25 | 0-.24     | ±.010 |
| >6-30      | ±0.40 | .24-1.18  | ±.016 |
| >30-120    | ±0.50 | 1.18-4.76 | ±.020 |
| >120       | ±0.80 | >4.76     | ±.031 |

|   |  |  |  |                            |  |  |  |                |  |              |  |
|---|--|--|--|----------------------------|--|--|--|----------------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |                            |  |  |  |                |  |              |  |
| FUNCTIONAL SYMBOLS  |  | DIMENSION UNITS                                      |  | SCALE                      |  | CURRENT REV DESC: MIGRATED TO ECTR/NX & ADDED PCB LAYOUT   |  |                |  |              |  |
| FA = 0  |  | MM/INCH  |  | 4:1                        |  | EC NO: 637366<br>DRWN: ABENJAMINLW 2020/04/14<br>CHK'D: DACHAMMER 2020/05/18<br>APPR: JFMURPHY 2020/05/29<br>INITIAL REVISION:<br>DRWN: LROTHAUS 2006/01/09<br>APPR: JPAWLICK 2006/01/10 |  |                |  |              |  |
| FE = 0  |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  |                            |  |  |  |                |  |              |  |
| FD = 0  |  | MM   |  | INCH                       |  |  |  |                |  |              |  |
| DIVISIONAL SYMBOLS  |  | 4 PLACES ± --- ± ---                                 |  | 3 PLACES ± --- ± SEE CHART |  |  |  |                |  |              |  |
|   |  | 2 PLACES ± SEE CHART ± SEE CHART                     |  | 1 PLACE ± SEE CHART ± ---  |  | DOCUMENT NUMBER  |  | DOC TYPE       |  | DOC PART     |  |
|   |  | 0 PLACES ± --- ± ---                                 |  | ANGULAR TOL ± ---          |  | SD-39543-004   |  | PSD            |  | 001          |  |
|   |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION     |  | MATERIAL NUMBER  |  | CUSTOMER       |  | SHEET NUMBER |  |
|   |  |  |  | B-SIZE                     |  | SEE SHEET-2  |  | GENERAL MARKET |  | 1 OF 2       |  |

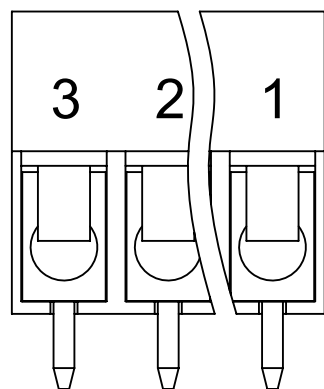
**molex**

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

| CIRCUIT SIZE | MATERIAL NUMBERS MOLDED TO LENGTH |           |           |                  |           |           | DIMENSIONAL INFORMATION |      |          |       |
|--------------|-----------------------------------|-----------|-----------|------------------|-----------|-----------|-------------------------|------|----------|-------|
|              | BLACK                             |           |           | GREEN            |           |           |                         |      |          |       |
|              | 100% TIN                          |           |           | 100% TIN         |           |           | DIM. "A"                |      | DIM. "B" |       |
|              | PRINTING OPTIONS                  |           |           | PRINTING OPTIONS |           |           | mm                      | inch | mm       | inch  |
| None         | 10A                               | 11A       | None      | 10A              | 11A       |           |                         |      |          |       |
| 2            | 395430602                         | 395431602 | 395432602 | 395930602        | 395931602 | 395932602 | 10.0                    | .39  | 5.00     | .197  |
| 3            | 395430603                         | 395431603 | 395432603 | 395930603        | 395931603 | 395932603 | 15.0                    | .59  | 10.00    | .394  |
| 4            | 395430604                         | 395431604 | 395432604 | 395930604        | 395931604 | 395932604 | 20.0                    | .79  | 15.00    | .591  |
| 5            | 395430605                         | 395431605 | 395432605 | 395930605        | 395931605 | 395932605 | 25.0                    | .98  | 20.00    | .787  |
| 6            | 395430606                         | 395431606 | 395432606 | 395930606        | 395931606 | 395932606 | 30.0                    | 1.18 | 25.00    | .984  |
| 7            | 395430607                         | 395431607 | 395432607 | 395930607        | 395931607 | 395932607 | 35.0                    | 1.38 | 30.00    | 1.181 |
| 8            | 395430608                         | 395431608 | 395432608 | 395930608        | 395931608 | 395932608 | 40.0                    | 1.57 | 35.00    | 1.378 |
| 9            | 395430609                         | 395431609 | 395432609 | 395930609        | 395931609 | 395932609 | 45.0                    | 1.77 | 40.00    | 1.575 |
| 10           | 395430610                         | 395431610 | 395432610 | 395930610        | 395931610 | 395932610 | 50.0                    | 1.97 | 45.00    | 1.772 |
| 11           | 395430611                         | 395431611 | 395432611 | 395930611        | 395931611 | 395932611 | 55.0                    | 2.17 | 50.00    | 1.969 |
| 12           | 395430612                         | 395431612 | 395432612 | 395930612        | 395931612 | 395932612 | 60.0                    | 2.36 | 55.00    | 2.165 |
| 13           | 395430613                         | 395431613 | 395432613 | 395930613        | 395931613 | 395932613 | 65.0                    | 2.56 | 60.00    | 2.362 |
| 14           | 395430614                         | 395431614 | 395432614 | 395930614        | 395931614 | 395932614 | 70.0                    | 2.76 | 65.00    | 2.559 |
| 15           | 395430615                         | 395431615 | 395432615 | 395930615        | 395931615 | 395932615 | 75.0                    | 2.95 | 70.00    | 2.756 |
| 16           | 395430616                         | 395431616 | 395432616 | 395930616        | 395931616 | 395932616 | 80.0                    | 3.15 | 75.00    | 2.953 |
| 17           | 395430617                         | 395431617 | 395432617 | 395930617        | 395931617 | 395932617 | 85.0                    | 3.35 | 80.00    | 3.150 |
| 18           | 395430618                         | 395431618 | 395432618 | 395930618        | 395931618 | 395932618 | 90.0                    | 3.54 | 85.00    | 3.346 |
| 19           | 395430619                         | 395431619 | 395432619 | 395930619        | 395931619 | 395932619 | 95.0                    | 3.74 | 90.00    | 3.543 |
| 20           | 395430620                         | 395431620 | 395432620 | 395930620        | 395931620 | 395932620 | 100.0                   | 3.94 | 95.00    | 3.740 |
| 21           | 395430621                         | 395431621 | 395432621 | 395930621        | 395931621 | 395932621 | 105.0                   | 4.13 | 100.00   | 3.937 |
| 22           | 395430622                         | 395431622 | 395432622 | 395930622        | 395931622 | 395932622 | 110.0                   | 4.33 | 105.00   | 4.134 |
| 23           | 395430623                         | 395431623 | 395432623 | 395930623        | 395931623 | 395932623 | 115.0                   | 4.53 | 110.00   | 4.331 |
| 24           | 395430624                         | 395431624 | 395432624 | 395930624        | 395931624 | 395932624 | 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                                   |  |                         |  |  |  |         |  |           |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |          |  |              |  |  |  |  |  |
| DIMENSION UNITS                                      |  | SCALE                   |  | CURRENT REV DESC: MIGRATED TO ECTR/NX & ADDED PCB LAYOUT   |  |         |  |           |  |   |  |          |  |              |  |  |  |  |  |
| MM/INCH  |  | 3:1                     |  | <p>EC NO: 637366<br/> DRWN: ABENJAMINLW<br/> CHK'D: DACHAMMER<br/> APPR: JFMURPHY</p> <p>INITIAL REVISION:<br/> DRWN: LROTHAUS<br/> APPR: JPAWLICK</p> <p>2020/04/14<br/> 2020/05/18<br/> 2020/05/29</p> <p>2006/01/09<br/> 2006/01/10</p> |  |         |  |           |  |   |  |          |  |              |  |  |  |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |  |                         |  |  |  |         |  |           |  |   |  |          |  |              |  |  |  |  |  |
| 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 |  |                         |  | THIRD ANGLE PROJECTION   |  | DRAWING |  | SERIES    |  | MATERIAL NUMBER   |  | CUSTOMER |  | SHEET NUMBER |  |  |  |  |  |
|  |  |                         |  | B-SIZE   |  | 39543   |  | SEE CHART |  | GENERAL MARKET  |  | 2 OF 2   |  |              |  |  |  |  |  |

**molex**

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-39543-004  
DOC TYPE: PSD  
DOC PART: 001  
REVISION: B2