

**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: 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 |

|                    |                                       |   |           |                                       |                |
|--------------------|---------------------------------------|---|-----------|---------------------------------------|----------------|
| FUNCTIONAL SYMBOLS |                                       | 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 |                |
| FA = 0             | MM/INCH                               | SCALE   | 4:1       |                                       |                |
| FE = 0             | GENERAL TOLERANCES (UNLESS SPECIFIED) |   |           |                                       |                |
| FD = 0             | 4 PLACES                              | ±   | ---       | ±                                     | ---            |
|                    | 3 PLACES                              | ±   | ---       | ±                                     | SEE CHART      |
|                    | 2 PLACES                              | ±   | SEE CHART | ±                                     | SEE CHART      |
|                    | 1 PLACE                               | ±   | SEE CHART | ±                                     | ---            |
|                    | 0 PLACES                              | ±   | ---       | ±                                     | ---            |
|                    | ANGULAR TOL                           |   | ±         | ---                                   | ---            |
| DIVISIONAL SYMBOLS |                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |           | THIRD ANGLE PROJECTION                | DRAWING        |
|                    |                                       |   |           |                                       | B-SIZE         |
|                    |                                       |   |           | SERIES                                | 39543          |
|                    |                                       |   |           | MATERIAL NUMBER                       | SEE SHEET-2    |
|                    |                                       |   |           | CUSTOMER                              | GENERAL MARKET |
|                    |                                       |   |           | SHEET NUMBER                          | 1 OF 2         |

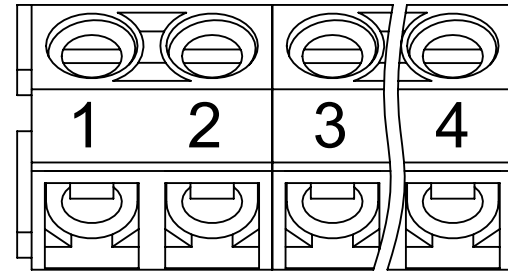
**molex**

EURO TERMINAL BLOCK  
5.00MM (.197) PITCH PC MOUNT, 45 DEGREE

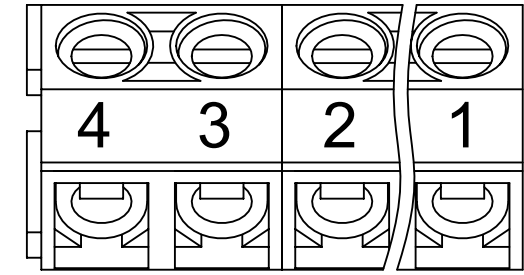
PRODUCT CUSTOMER DRAWING

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

| CIRCUIT SIZE | MATERIAL NUMBERS MOLDED TO LENGTH |           |           |                  |           |           | MATERIAL NUMBERS (STACKABLE) |           |           |                  |           |           | DIMENSIONAL INFORMATION |      |          |       |
|--------------|-----------------------------------|-----------|-----------|------------------|-----------|-----------|------------------------------|-----------|-----------|------------------|-----------|-----------|-------------------------|------|----------|-------|
|              | BLACK                             |           |           | GREEN            |           |           | BLACK                        |           |           | GREEN            |           |           | DIM. "A"                |      | DIM. "B" |       |
|              | PRINTING OPTIONS                  |           |           | PRINTING OPTIONS |           |           | PRINTING OPTIONS             |           |           | PRINTING OPTIONS |           |           | mm                      | inch | mm       | inch  |
|              | None                              | 10A       | 11A       | None             | 10A       | 11A       | None                         | 10A       | 11A       | None             | 10A       | 11A       |                         |      |          |       |
| 2            | 395430202                         | 395431202 | 395432202 | 395930202        | 395931202 | 395932202 | 395430502                    | 395431502 | 395432502 | 395930502        | 395931502 | 395932502 | 10.0                    | 0.39 | 5.00     | .197  |
| 3            | 395430203                         | 395431203 | 395432203 | 395930203        | 395931203 | 395932203 | 395430503                    | 395431503 | 395432503 | 395930503        | 395931503 | 395932503 | 15.0                    | 0.59 | 10.00    | .394  |
| 4            | 395430204                         | 395431204 | 395432204 | 395930204        | 395931204 | 395932204 |                              |           |           |                  |           |           | 20.0                    | 0.79 | 15.00    | .591  |
| 5            | 395430205                         | 395431205 | 395432205 | 395930205        | 395931205 | 395932205 |                              |           |           |                  |           |           | 25.0                    | 0.98 | 20.00    | .787  |
| 6            | 395430206                         | 395431206 | 395432206 | 395930206        | 395931206 | 395932206 |                              |           |           |                  |           |           | 30.0                    | 1.18 | 25.00    | .984  |
| 7            | 395430207                         | 395431207 | 395432207 | 395930207        | 395931207 | 395932207 |                              |           |           |                  |           |           | 35.0                    | 1.38 | 30.00    | 1.181 |
| 8            | 395430208                         | 395431208 | 395432208 | 395930208        | 395931208 | 395932208 |                              |           |           |                  |           |           | 40.0                    | 1.57 | 35.00    | 1.378 |
| 9            | 395430209                         | 395431209 | 395432209 | 395930209        | 395931209 | 395932209 |                              |           |           |                  |           |           | 45.0                    | 1.77 | 40.00    | 1.575 |
| 10           | 395430210                         | 395431210 | 395432210 | 395930210        | 395931210 | 395932210 |                              |           |           |                  |           |           | 50.0                    | 1.97 | 45.00    | 1.772 |
| 11           | 395430211                         | 395431211 | 395432211 | 395930211        | 395931211 | 395932211 |                              |           |           |                  |           |           | 55.0                    | 2.17 | 50.00    | 1.969 |
| 12           | 395430212                         | 395431212 | 395432212 | 395930212        | 395931212 | 395932212 |                              |           |           |                  |           |           | 60.0                    | 2.36 | 55.00    | 2.165 |
| 13           | 395430213                         | 395431213 | 395432213 | 395930213        | 395931213 | 395932213 |                              |           |           |                  |           |           | 65.0                    | 2.56 | 60.00    | 2.362 |
| 14           | 395430214                         | 395431214 | 395432214 | 395930214        | 395931214 | 395932214 |                              |           |           |                  |           |           | 70.0                    | 2.76 | 65.00    | 2.559 |
| 15           | 395430215                         | 395431215 | 395432215 | 395930215        | 395931215 | 395932215 |                              |           |           |                  |           |           | 75.0                    | 2.95 | 70.00    | 2.756 |
| 16           | 395430216                         | 395431216 | 395432216 | 395930216        | 395931216 | 395932216 |                              |           |           |                  |           |           | 80.0                    | 3.15 | 75.00    | 2.953 |
| 17           | 395430217                         | 395431217 | 395432217 | 395930217        | 395931217 | 395932217 |                              |           |           |                  |           |           | 85.0                    | 3.35 | 80.00    | 3.150 |
| 18           | 395430218                         | 395431218 | 395432218 | 395930218        | 395931218 | 395932218 |                              |           |           |                  |           |           | 90.0                    | 3.54 | 85.00    | 3.346 |
| 19           | 395430219                         | 395431219 | 395432219 | 395930219        | 395931219 | 395932219 |                              |           |           |                  |           |           | 95.0                    | 3.74 | 90.00    | 3.543 |
| 20           | 395430220                         | 395431220 | 395432220 | 395930220        | 395931220 | 395932220 |                              |           |           |                  |           |           | 100.0                   | 3.94 | 95.00    | 3.740 |
| 21           | 395430221                         | 395431221 | 395432221 | 395930221        | 395931221 | 395932221 |                              |           |           |                  |           |           | 105.0                   | 4.13 | 100.00   | 3.937 |
| 22           | 395430222                         | 395431222 | 395432222 | 395930222        | 395931222 | 395932222 |                              |           |           |                  |           |           | 110.0                   | 4.33 | 105.00   | 4.134 |
| 23           | 395430223                         | 395431223 | 395432223 | 395930223        | 395931223 | 395932223 |                              |           |           |                  |           |           | 115.0                   | 4.53 | 110.00   | 4.331 |
| 24           | 395430224                         | 395431224 | 395432224 | 395930224        | 395931224 | 395932224 |                              |           |           |                  |           |           | 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 |

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

FUNCTIONAL SYMBOLS:  $\nabla_A = 0$ ,  $\nabla_E = 0$ ,  $\nabla_F = 0$

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

THIRD ANGLE PROJECTION

DRAWING: B-SIZE

SERIES: 39543

MATERIAL NUMBER: SEE CHART

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 2 OF 2

EC NO: 637366

DRWN: ABENJAMINLW

CHK'D: DACHAMMER

APPR: JFMURPHY

INITIAL REVISION:

DRWN: LROTHAUS

APPR: JPAWLICK

2020/03/12

2020/05/18

2020/05/29

2006/01/09

2006/01/10

DOCUMENT NUMBER: SD-39543-001

DOC TYPE: PSD

DOC PART: 001

REVISION: B2

MOLEX

EURO TERMINAL BLOCK

5.00MM (.197) PITCH PC MOUNT, 45 DEGREE

PRODUCT CUSTOMER DRAWING