



PCB LAYOUT

SPECIFICATIONS:

1. MATERIAL:
  - (A). SCREW: C1010
  - (B). BODY: PA66
  - (C). TERMINAL: BRASS
  - (D). CAGE: BRASS
2. WIRE RANGE: 24 - 16AWG
3. ELECTRICAL RATING: 300V, 10A.
4. MAX TORQUE: 3.5 IN-LBS.
5. WIRE STRIP LENGTH: 5.5mm.
6. DIELECTRIC WITHSTAND: AC 2500V FOR 1 MINUTE.
7. BREAKDOWN VOLTAGE : 4000V.(1.2/50us). 5 TIMES
8. INSULATION RESISTANCE: DC 500V, 1000M.
9. OPERATING TEMPERATURE: -40°C to +105°C.
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.

| 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 |

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>SYMBOLS</b><br>DIMENSION UNITS: MM/INCH<br>SCALE: 4:1<br>GENERAL TOLERANCES (UNLESS SPECIFIED):<br>4 PLACES ±<br>3 PLACES ±<br>2 PLACES ±<br>1 PLACE ±<br>0 PLACES ±<br>ANGULAR TOL ± °<br>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<br>CURRENT REV DESC: MIGRATION TO ECTR/NX<br>EC NO: 619931<br>DRWN: DSOPPIN 2019/06/24<br>CHK'D: DACHAMMER 2019/07/01<br>APPR: JFMURPHY 2019/07/08<br>INITIAL REVISION:<br>DRWN: LROTHAUS 2005/06/12<br>APPR: C.YORK 2006/06/01 |  | <b>molex</b><br>5.0MM, EURO TERM BLOCK<br>RIGHT ANGLE, PC MOUNT STACKABLE, STAMPED TERM<br>PRODUCT CUSTOMER DRAWING |  |
| DOCUMENT NUMBER: SD-39543-006<br>MATERIAL NUMBER: SEE SHEET 2  |  | DOC TYPE: PSD<br>DOC PART: 001<br>REVISION: A2  |  | CUSTOMER: GENERAL MARKET<br>SHEET NUMBER: 1 OF 2  |  |

| F | DESCRIPTION                               | CIRCUIT SIZE | MATERIAL NUMBERS MOLDED TO LENGTH |           |           |                  |           |           | MATERIAL NUMBERS STACKABLE |           |           |                  |           |           | DIMENSIONAL INFORMATION |       |          |       |
|---|---|--------------|-----------------------------------|-----------|-----------|------------------|-----------|-----------|----------------------------|-----------|-----------|------------------|-----------|-----------|-------------------------|-------|----------|-------|
|   |   |              | BLACK                             |           |           | GREEN            |           |           | BLACK                      |           |           | GREEN            |           |           |                         |       |          |       |
|   |   |              | 100% TIN                          |           |           | 100% TIN         |           |           | 100% TIN                   |           |           | 100% TIN         |           |           |                         |       |          |       |
|   |   |              | PRINTING OPTIONS                  |           |           | PRINTING OPTIONS |           |           | PRINTING OPTIONS           |           |           | PRINTING OPTIONS |           |           | DIM. "A"                |       | DIM. "B" |       |
|   |   |              | None                              | 10AV      | 11AV      | None             | 10AV      | 11AV      | None                       | 10AV      | 11AV      | None             | 10AV      | 11AV      | mm                      | inch  | mm       | inch  |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 2            | 395433102                         | 395435102 | 395437102 | 395933102        | 395935102 | 395937102 | 395434502                  | 395436502 | 395438502 | 395934502        | 395936502 | 395938502 | 10.00                   | .394  | 5.00     | .197  |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 3            | 395433103                         | 395435103 | 395437103 | 395933103        | 395935103 | 395937103 | 395434503                  | 395436503 | 395438503 | 395934503        | 395936503 | 395938503 | 15.00                   | .591  | 10.00    | .394  |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 4            | 395433104                         | 395435104 | 395437104 | 395933104        | 395935104 | 395937104 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 20.00                   | .787  | 15.00    | .591  |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 5            | 395433105                         | 395435105 | 395437105 | 395933105        | 395935105 | 395937105 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 25.00                   | .984  | 20.00    | .787  |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 6            | 395433106                         | 395435106 | 395437106 | 395933106        | 395935106 | 395937106 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 30.00                   | 1.181 | 25.00    | .984  |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 7            | 395433107                         | 395435107 | 395437107 | 395933107        | 395935107 | 395937107 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 35.00                   | 1.378 | 30.00    | 1.181 |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 8            | 395433108                         | 395435108 | 395437108 | 395933108        | 395935108 | 395937108 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 40.00                   | 1.575 | 35.00    | 1.378 |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 9            | 395433109                         | 395435109 | 395437109 | 395933109        | 395935109 | 395937109 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 45.00                   | 1.772 | 40.00    | 1.575 |
| E | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 10           | 395433110                         | 395435110 | 395437110 | 395933110        | 395935110 | 395937110 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 50.00                   | 1.969 | 45.00    | 1.772 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 11           | 395433111                         | 395435111 | 395437111 | 395933111        | 395935111 | 395937111 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 55.00                   | 2.165 | 50.00    | 1.969 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 12           | 395433112                         | 395435112 | 395437112 | 395933112        | 395935112 | 395937112 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 60.00                   | 2.362 | 55.00    | 2.165 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 13           | 395433113                         | 395435113 | 395437113 | 395933113        | 395935113 | 395937113 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 65.00                   | 2.559 | 60.00    | 2.362 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 14           | 395433114                         | 395435114 | 395437114 | 395933114        | 395935114 | 395937114 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 70.00                   | 2.756 | 65.00    | 2.559 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 15           | 395433115                         | 395435115 | 395437115 | 395933115        | 395935115 | 395937115 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 75.00                   | 2.953 | 70.00    | 2.756 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 16           | 395433116                         | 395435116 | 395437116 | 395933116        | 395935116 | 395937116 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 80.00                   | 3.150 | 75.00    | 2.953 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 17           | 395433117                         | 395435117 | 395437117 | 395933117        | 395935117 | 395937117 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 85.00                   | 3.346 | 80.00    | 3.150 |
| D | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 18           | 395433118                         | 395435118 | 395437118 | 395933118        | 395935118 | 395937118 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 90.00                   | 3.543 | 85.00    | 3.346 |
| C | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 19           | 395433119                         | 395435119 | 395437119 | 395933119        | 395935119 | 395937119 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 95.00                   | 3.740 | 90.00    | 3.543 |
| C | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 20           | 395433120                         | 395435120 | 395437120 | 395933120        | 395935120 | 395937120 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 100.00                  | 3.937 | 95.00    | 3.740 |
| C | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 21           | 395433121                         | 395435121 | 395437121 | 395933121        | 395935121 | 395937121 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 105.00                  | 4.134 | 100.00   | 3.937 |
| C | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 22           | 395433122                         | 395435122 | 395437122 | 395933122        | 395935122 | 395937122 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 110.00                  | 4.331 | 105.00   | 4.134 |
| C | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 23           | 395433123                         | 395435123 | 395437123 | 395933123        | 395935123 | 395937123 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 115.00                  | 4.528 | 110.00   | 4.331 |
| C | 5.0 MM, EURO BLOCK, PC MOUNT, RIGHT ANGLE | 24           | 395433124                         | 395435124 | 395437124 | 395933124        | 395935124 | 395937124 | N/A                        | N/A       | N/A       | N/A              | N/A       | N/A       | 120.00                  | 4.724 | 115.00   | 4.528 |

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| <b>SYMBOLS</b><br>= 0<br>= 0<br>= 0<br>= 0<br>= 0<br>= 0<br>= 0<br>= 0<br>= 0<br>= 0 |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION<br>DIMENSION UNITS: <b>MM/INCH</b><br>SCALE: <b>2:1</b><br>CURRENT REV DESC: MIGRATION TO ECTR/NX<br>EC NO: 619931<br>DRWN: DSOPPIN 2019/06/24<br>CHK'D: DACHAMMER 2019/07/01<br>APPR: JFMURPHY 2019/07/08<br>INITIAL REVISION:<br>DRWN: LROTHAUS 2005/06/12<br>APPR: C.YORK 2006/06/01 |       | <br>5.0MM, EURO TERM BLOCK<br>RIGHT ANGLE, PC MOUNT STACKABLE, STAMPED TERM<br>PRODUCT CUSTOMER DRAWING<br>DOCUMENT NUMBER: <b>SD-39543-006</b><br>DOC TYPE: PSD<br>DOC PART: 001<br>REVISION: <b>A2</b><br>MATERIAL NUMBER: SEE TABLE<br>CUSTOMER: GENERAL MARKET<br>SHEET NUMBER: 2 OF 2 |  |  |  |
| <b>TOLERANCES</b>  |       |   |       | THIRD ANGLE PROJECTION<br><br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |  | DRAWING: <b>B-SIZE</b><br>SERIES: <b>39543</b> |  |
| 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 |  |  |  |  |