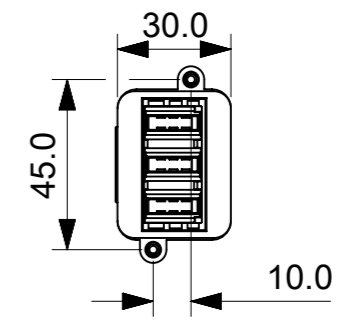
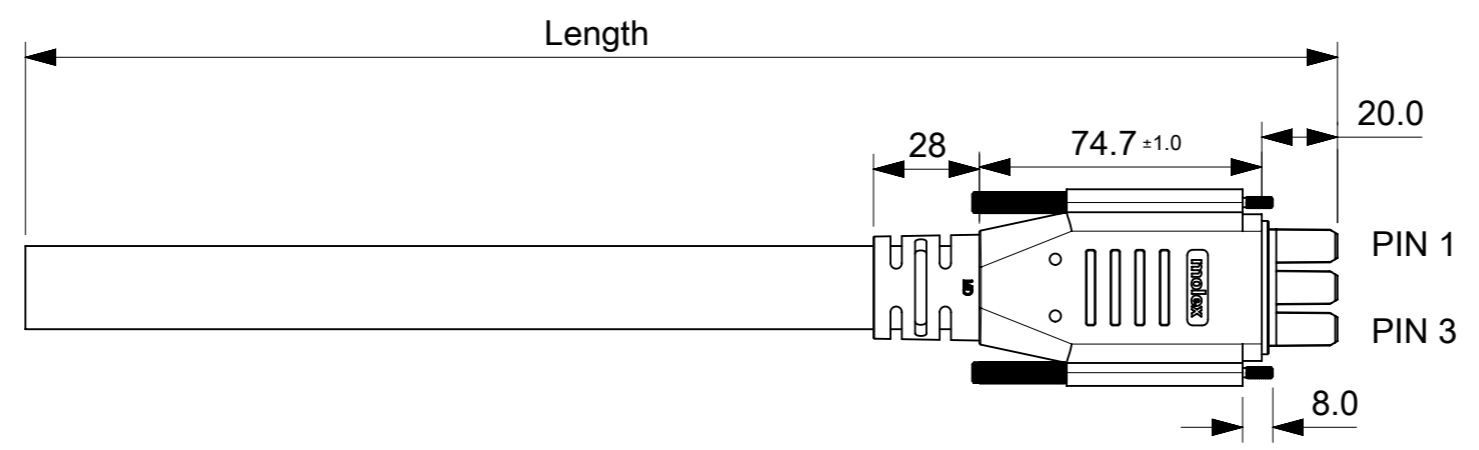
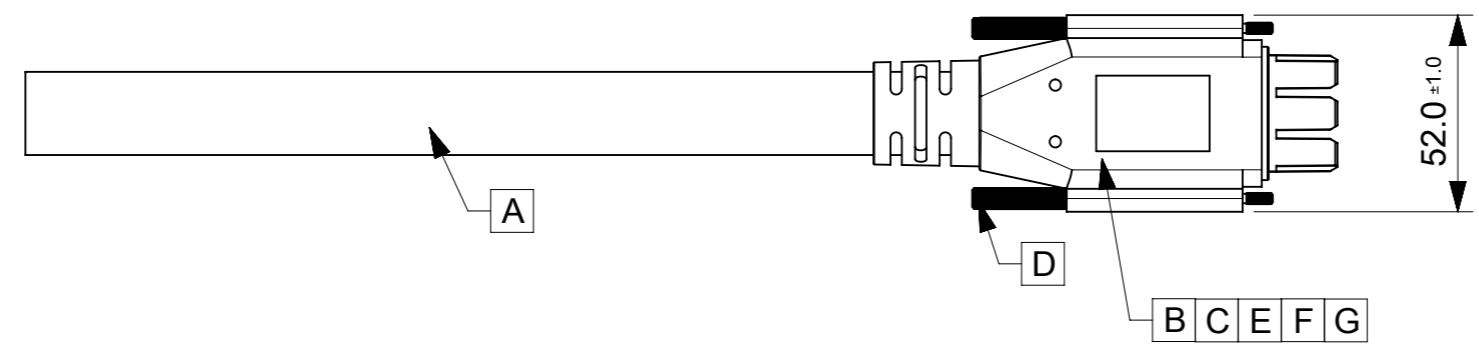
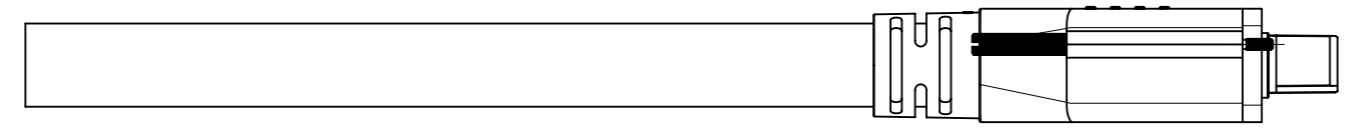


| DATE       | REV. | DESCRIPTION     | CHANGER |
|------------|------|-----------------|---------|
| 2021.03.08 | A    | INITIAL RELEASE | LUCY    |

P1



P2



| WIRING CHART |       |    |
|--------------|-------|----|
| P1           | COLOR | P2 |
| Pigtail      | BLACK | 1  |
|              | WHITE | 2  |
|              | GREEN | 3  |

| 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:      |          | <b>molex</b>    |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
|---|--|------------------------|----------|-----------------|-----------------|--------------|--|---|---------------------------------------|----------|----------|-------------|----------------|--------|----------|---|--|--------------------------|---|--|----------|---|------|---------|---|-----|----------|---|-----|--|--|---------------|------------|--------------|------------|---------------|------------|
|   | <table border="1"> <tr> <th>DIMENSION UNITS</th> <th>SCALE</th> </tr> <tr> <td>mm</td> <td>1:5</td> </tr> </table>   | DIMENSION UNITS        | SCALE    |                 | mm              | 1:5          | <table border="1"> <tr> <th colspan="3">GENERAL TOLERANCES (UNLESS SPECIFIED)</th> </tr> <tr> <td>ANGULAR TOL</td> <td>±</td> <td>°</td> </tr> <tr> <td>4 PLACES</td> <td>±</td> <td></td> </tr> <tr> <td>3 PLACES</td> <td>±</td> <td></td> </tr> <tr> <td>2 PLACES</td> <td>±</td> <td>0.25</td> </tr> <tr> <td>1 PLACE</td> <td>±</td> <td>0.5</td> </tr> <tr> <td>0 PLACES</td> <td>±</td> <td>1.0</td> </tr> </table> |   | GENERAL TOLERANCES (UNLESS SPECIFIED) |          |          | ANGULAR TOL | ±              | °      | 4 PLACES | ± |  | 3 PLACES                 | ± |  | 2 PLACES | ± | 0.25 | 1 PLACE | ± | 0.5 | 0 PLACES | ± | 1.0 | <table border="1"> <tr> <td>EC NO: 658092</td> <td>2021/03/05</td> </tr> <tr> <td>DRWN: LL1205</td> <td>2021/03/15</td> </tr> <tr> <td>CHK'D: LL1205</td> <td>2021/03/15</td> </tr> <tr> <td>APPR: YXZOU</td> <td>2021/03/15</td> </tr> </table> |  | EC NO: 658092 | 2021/03/05 | DRWN: LL1205 | 2021/03/15 | CHK'D: LL1205 | 2021/03/15 |
| DIMENSION UNITS   | SCALE  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| mm  | 1:5  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| ANGULAR TOL   | ±  | °                      |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| 4 PLACES  | ±  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| 3 PLACES  | ±  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| 2 PLACES  | ±  | 0.25                   |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| 1 PLACE   | ±  | 0.5                    |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| 0 PLACES  | ±  | 1.0                    |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| EC NO: 658092   | 2021/03/05   |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| DRWN: LL1205  | 2021/03/15   |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| CHK'D: LL1205   | 2021/03/15   |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| APPR: YXZOU   | 2021/03/15   |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| DIVISIONAL SYMBOLS  | <table border="1"> <tr> <th colspan="2">INITIAL REVISION:</th> </tr> <tr> <td>DRWN: LL1205</td> <td>2020/07/21</td> </tr> <tr> <td>APPR: YXZOU</td> <td>2021/03/15</td> </tr> </table> | INITIAL REVISION:      |          | DRWN: LL1205    | 2020/07/21      | APPR: YXZOU  | 2021/03/15   | <table border="1"> <tr> <th>DOCUMENT NUMBER</th> <th>DOC TYPE</th> <th>DOC PART</th> <th>REVISION</th> </tr> <tr> <td>2012344458</td> <td>PSD</td> <td>000</td> <td>A</td> </tr> </table> | DOCUMENT NUMBER                       | DOC TYPE | DOC PART | REVISION    | 2012344458     | PSD    | 000      | A | <table border="1"> <tr> <th colspan="2">PRODUCT CUSTOMER DRAWING</th> </tr> </table> | PRODUCT CUSTOMER DRAWING |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| INITIAL REVISION:   |  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| DRWN: LL1205  | 2020/07/21   |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| APPR: YXZOU   | 2021/03/15   |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| DOCUMENT NUMBER   | DOC TYPE   | DOC PART               | REVISION |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| 2012344458  | PSD  | 000                    | A        |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| PRODUCT CUSTOMER DRAWING  |  |                        |          |                 |                 |              |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| <table border="1"> <tr> <th>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</th> <th>THIRD ANGLE PROJECTION</th> <th>DRAWING</th> <th>SERIES</th> <th>MATERIAL NUMBER</th> <th>CUSTOMER</th> <th>SHEET NUMBER</th> </tr> <tr> <td></td> <td></td> <td>A3-SIZE</td> <td>201234</td> <td>SEE TABLE</td> <td>GENERAL MARKET</td> <td>1 OF 2</td> </tr> </table> | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   | THIRD ANGLE PROJECTION | DRAWING  | SERIES          | MATERIAL NUMBER | CUSTOMER     | SHEET NUMBER   |   |                                       | A3-SIZE  | 201234   | SEE TABLE   | GENERAL MARKET | 1 OF 2 |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | THIRD ANGLE PROJECTION   | DRAWING                | SERIES   | MATERIAL NUMBER | CUSTOMER        | SHEET NUMBER |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |
|   |  | A3-SIZE                | 201234   | SEE TABLE       | GENERAL MARKET  | 1 OF 2       |  |   |                                       |          |          |             |                |        |          |   |  |                          |   |  |          |   |      |         |   |     |          |   |     |  |  |               |            |              |            |               |            |

| EWR NO.   | MOLEX P/N  | MOLEX P/N                            | LENGTH   |
|-----------|------------|--------------------------------------|----------|
| EWR200127 | 2167592035 | 3pin Guardian ST to pigtail 6 AWG 2M | 2000±40  |
| EWR200128 | 2167592036 | 3pin Guardian ST to pigtail 6 AWG 4M | 4000±80  |
| EWR200129 | 2167592037 | 3pin Guardian ST to pigtail 6 AWG 6M | 6000±100 |

NOTES:

1. ELECTRICAL PERFORMANCE:
  - 1.1 MAXIMUM CURRENT RATING: 50 AMPS PER PIN.  
(EACH APPLICATION SHOULD BE EVALUATED BY THE END USER FOR COMPLIANCE TO SPECIFIC SAFETY AGENCY REQUIREMENTS. THE RATING IS PROVIDED AS REFERENCE. APPROPRIATE DE-RATING IS REQUIRED BASED ON AMBIENT CONDITIONS, COPPER TRACE SIZE ON THE PCB, GROSS HEATING FROM ADJACENT MODULES/ COMPONENTS AND OTHER FACTORS THAT INFLUENCE CONNECTOR PERFORMANCE.)
  - 1.2 MAXIMUM VOLTAGE RATING: 600V.
  - 1.3 THIS PRODUCT MUST 100% PASS CONTINUITY TEST.
  - 1.4 DIELECTRIC STRENGTH: 1000 V DC/0.01S.
  - 1.5 INSULATION RESISTANCE: 10M OHM/MIN.
  - 1.6 MAXIMUM CONDUCTOR RESISTANCE:
    - 2.0 OHM/MAX. for 2M CABLE
    - 2.2 OHM/MAX. for 4M CABLE
    - 2.5 OHM/MAX. for 6M CABLE
2. MECHANICAL PERFORMANCE:
  - 2.1 THE P2 SIDE CAN WITHSTAND 300N PULL FORCE STRAIGHT INLINE FOR ONE MINUTE
  - 2.2 THE P2 SIDE CAN WITHSTAND 300N PULL FORCE AT 90°LOADING FOR ONE MINUTE.
  - 2.3 THE P2 SIDE CAN WITHSTAND 300N PULL FORCE AT 45°LOADING FOR ONE MINUTE.
3. TEMPERATURE:
  - 3.1 OPERATING TEMPERATURE: -40 TO 105 DEG C.  
(INCLUDING 30°C T-RISE FROM APPLIED CURRENT)
4. THIS PRODUCT MUST COMPLY WITH 2015/863 EU ROHS REQUIREMENT

|      |                                    |       |      |
|------|------------------------------------|-------|------|
| G    | PBT POLYESTER 30% GF BLACK         | A/R   |      |
| F    | PVC RESIN FOR INNERMOLD            | A/R   |      |
| E    | PVC RESIN, BLK FOR OVERMOLD        | A/R   |      |
| D    | M3 SCREW                           |       | 2    |
| C    | Guardian TERM, 6AWG CRIMP, GOLD    |       | 3    |
| B    | Guardian Crimp Rec Hsg 3 ckt 6 AWG |       | 1    |
| A    | 3CX6AWG;UNSH;PVC;BK;OD21MM;UL2586  | A/R   |      |
| ITEM | DESCRIPTION                        | L(mm) | Q'TY |

|  |   |                     |                   |                         |                          |         |  |            |            |                 |  |          |  |              |  |
|--|---|---------------------|-------------------|-------------------------|--------------------------|---------|--|------------|------------|-----------------|--|----------|--|--------------|--|
| 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: |                         | <b>molex</b>             |         |  |            |            |                 |  |          |  |              |  |
|  | △/A = 0   | DIMENSION UNITS: mm |                   |                         |                          |         |  |            | SCALE: 1:1 |                 |  |          |  |              |  |
| DIVISIONAL SYMBOLS                                   | GENERAL TOLERANCES (UNLESS SPECIFIED)   |                     |                   |                         | SEE TABLE                |         |  |            |            |                 |  |          |  |              |  |
|  | ANGULAR TOL ± °   |                     |                   |                         |                          |         |  |            |            |                 |  |          |  |              |  |
|  | 4 PLACES ±  |                     |                   |                         | PRODUCT CUSTOMER DRAWING |         |  |            |            |                 |  |          |  |              |  |
|  | 3 PLACES ±  |                     |                   |                         |                          |         |  |            |            |                 |  |          |  |              |  |
|  | 2 PLACES ± 0.25   |                     |                   |                         |                          |         |  |            |            |                 |  |          |  |              |  |
| 1 PLACE ± 0.5  |   |                     |                   | INITIAL REVISION:       |                          |         |  |            |            |                 |  |          |  |              |  |
| 0 PLACES ± 1.0                                       |   |                     |                   | DRWN: LLI205 2020/07/21 |                          |         |  |            |            |                 |  |          |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |   |                     |                   | THIRD ANGLE PROJECTION  |                          | DRAWING |  | SERIES     |            | MATERIAL NUMBER |  | CUSTOMER |  | SHEET NUMBER |  |
|  |   |                     |                   | A3-SIZE                 |                          | 201234  |  | 2012344458 |            | PSD 000         |  | A        |  | 2 OF 2       |  |