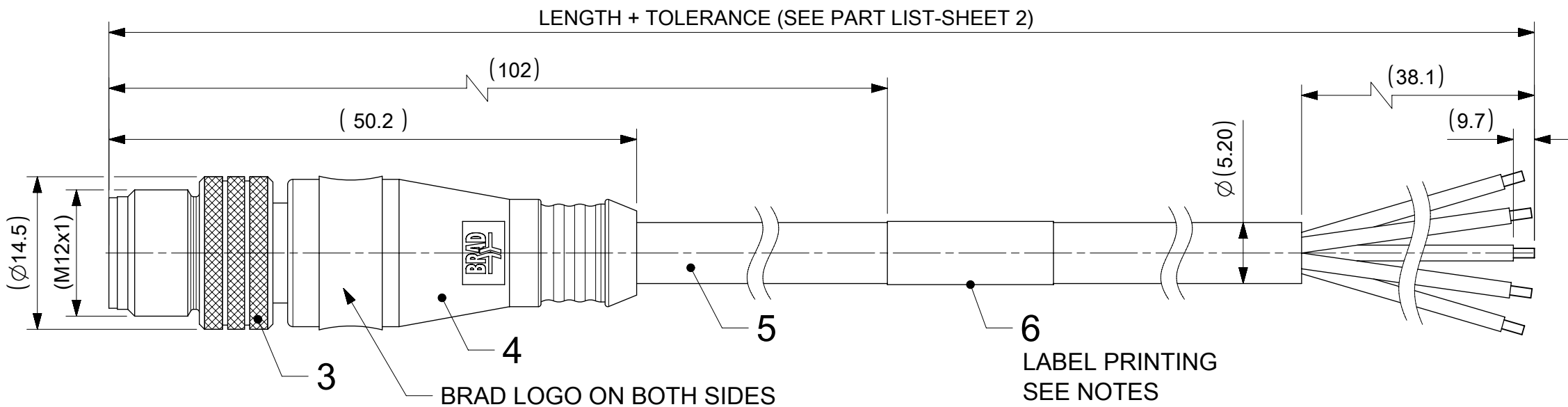
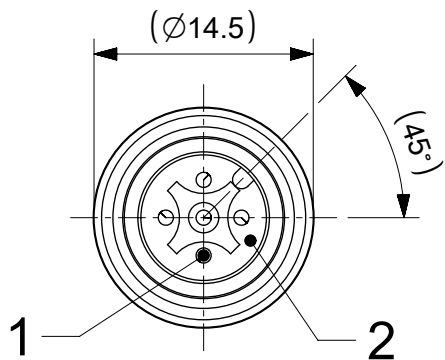


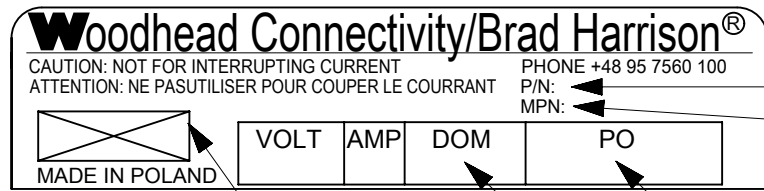
MALE PLUG M12 STRAIGHT



NOTES:

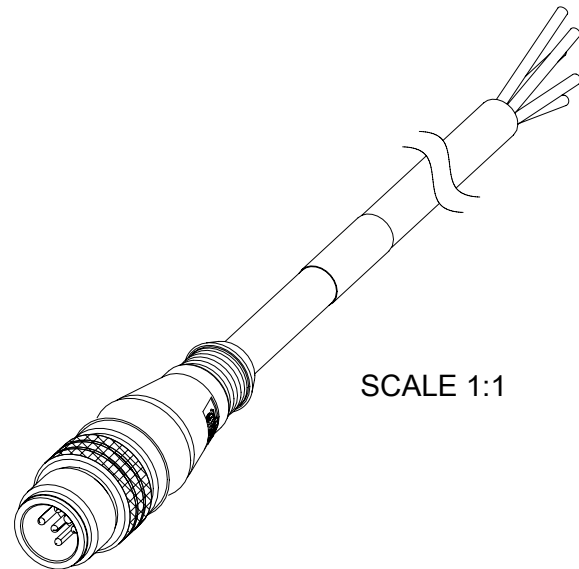
RATED VOLTAGE: 3, 4 contacts 250V  
5 contacts 60V  
RATED CURRENT: 3, 4, 5 contacts 4A  
PROTECTION CLASS: IP 67 (WHEN MATED)  
TEMPERATURE: -20° C TO +105° C  
UL RECOGNIZED FILE: E152210  
CSA CERTIFIED FILE: LR6837  
ALL DIMENSIONS ARE FOR REFERENCE  
UNLESS TOLERANCED OR NOTED OTHERWISE  
LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION

LABEL PRINTING



CONTACTS POSITION FRONT VIEW:

| 3 CONTACTS                         |       | 4 CONTACTS   |            | 5 CONTACTS |                      |
|------------------------------------|-------|--------------|------------|------------|----------------------|
|                                    |       |              |            |            |                      |
| PIN                                | WIRE  | PIN          | WIRE       | PIN        | WIRE                 |
| 1                                  | BROWN | 1            | BROWN      | 1          | BROWN                |
| 2                                  | ---   | 2            | WHITE      | 2          | WHITE                |
| 3                                  | BLUE  | 3            | BLUE       | 3          | BLUE                 |
| 4                                  | BLACK | 4            | BLACK      | 4          | BLACK                |
| 5                                  | ---   | 5            | ---        | 5          | GRAY OR YELLOW/GREEN |
| CODING REQUIRED TO IEC 61076-2-101 |       |              |            |            |                      |
| DOCUMENT STATUS                    | P1    | RELEASE DATE | 2023/07/14 | 14:26:05   |                      |

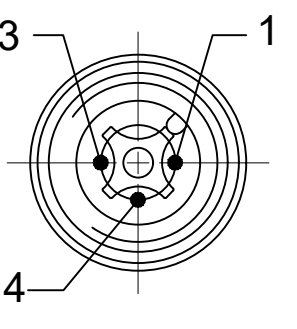
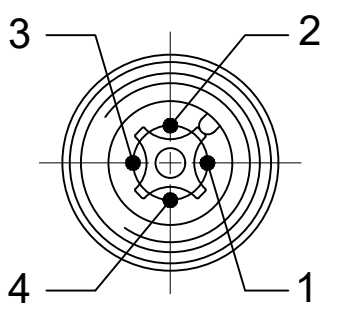
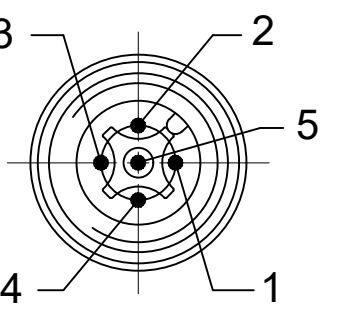


FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

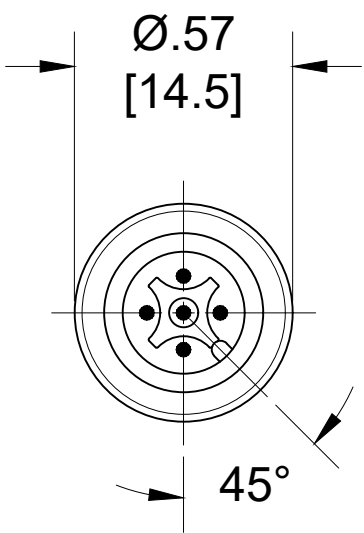
|      |           |                   |             |                      |
|------|-----------|-------------------|-------------|----------------------|
| 6    | 1         | WRAP LABEL        | VINYL       | YELLOW               |
| 5    | -         | CABLE             | SEE SHEET 2 | ---                  |
| 4    | -         | OVERMOLD          | TPC         | YELLOW               |
| 3    | 1         | COUPLING NUT MALE | BRASS       | SEE MATRIX           |
| 2    | 1         | INSERT MALE       | PUR         | BLACK                |
| 1    | 3 / 4 / 5 | CONTACT M12 MALE  | BRASS       | SELECTIVE Au OVER Ni |
| ITEM | QTY.      | DESCRIPTION       | MATERIAL    | FINISH /COLOR        |

|                                                      |                                                                                                                                               |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-------------------------------------|--------|------------------|-----------------|--|----------------|--|----------|--|----------|--|
| 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: FIRST RELEASE |                                     |        | <div>molex</div> |                 |  |                |  |          |  |          |  |
|                                                      | mm                                                                                                                                            |                        | 2:1                                                                                                                                                                                 |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                        | EC NO: 756614<br>DRWN: RSCHIEBER 2023/05/09<br>CHK'D: RSILLER 2023/07/14<br>APPR: RSILLER 2023/07/14<br>INITIAL REVISION:<br>DRWN: RSCHIEBER 2023/05/09<br>APPR: RSILLER 2023/07/14 |  |                                 | CSE M12 XP AC MA STR TPE XM SE UNSH |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | ANGULAR TOL ± °                                                                                                                               |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | 4 PLACES ±                                                                                                                                    |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | 3 PLACES ±                                                                                                                                    |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | 2 PLACES ±                                                                                                                                    |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | 1 PLACE ±                                                                                                                                     |                        | PRODUCT CUSTOMER DRAWING                                                                                                                                                            |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
|                                                      | 0 PLACES ±                                                                                                                                    |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  |                 |  |                |  |          |  |          |  |
| DIVISIONAL SYMBOLS                                   |                                                                                                                                               | THIRD ANGLE PROJECTION |                                                                                                                                                                                     |  | DRAWING                         |                                     | SERIES |                  | DOCUMENT NUMBER |  | DOC TYPE       |  | DOC PART |  | REVISION |  |
|                                                      |                                                                                                                                               |                        |                                                                                                                                                                                     |  | A3-SIZE                         |                                     | 120065 |                  | 1200651113      |  | PSD            |  | 000      |  | A        |  |
|                                                      |                                                                                                                                               |                        |                                                                                                                                                                                     |  |                                 |                                     |        |                  | SEE PART LIST   |  | GENERAL MARKET |  |          |  | 1 OF 2   |  |

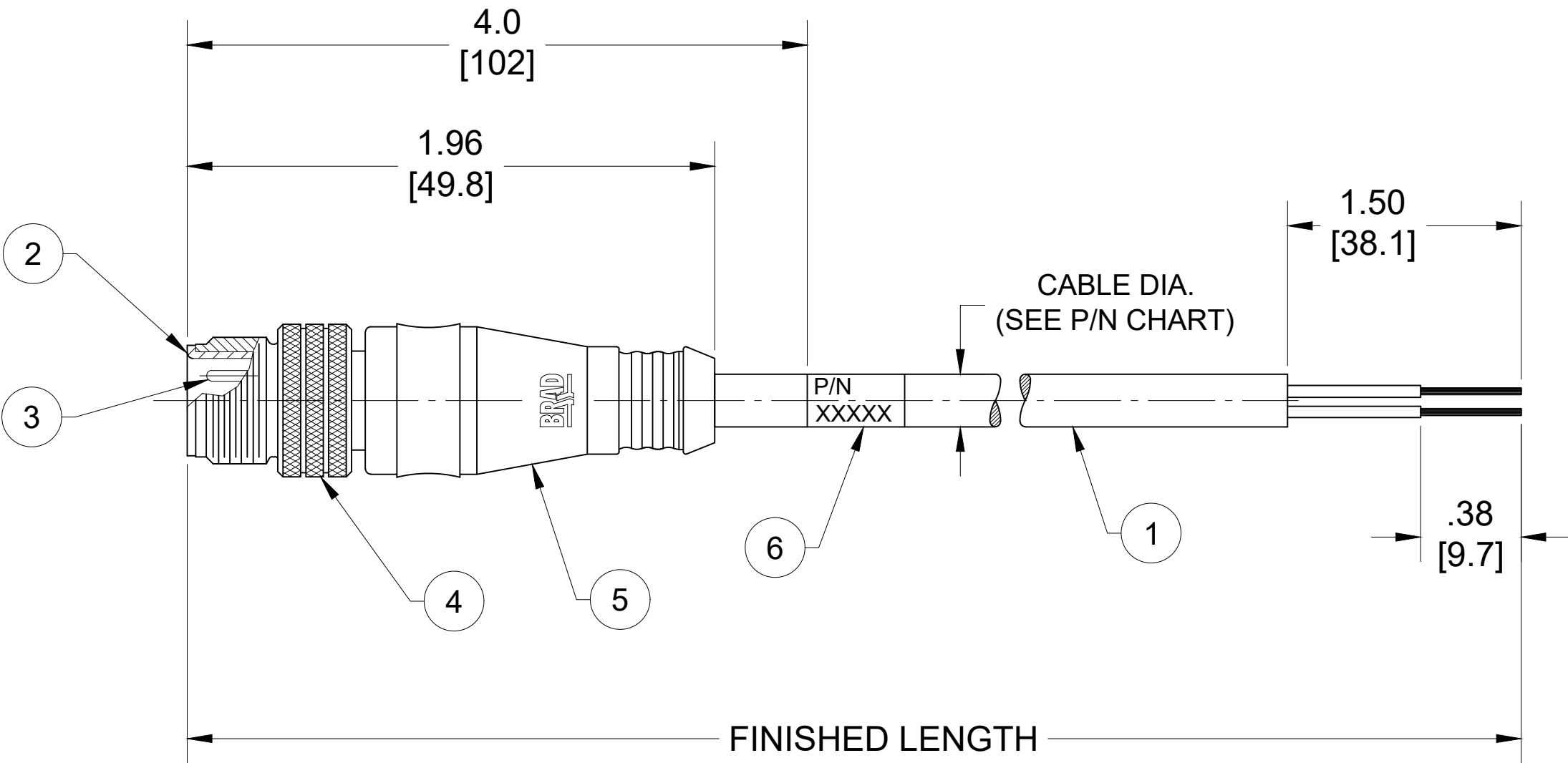


| FACE VIEW - MALE INSERT                                                           |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 3 POLE                                                                            | 4 POLE                                                                            | 5 POLE                                                                             |
|  |  |  |
| 1 BROWN<br>2 NOT USED<br>3 BLUE<br>4 BLACK<br>5 NOT USED                          | 1 BROWN<br>2 WHITE<br>3 BLUE<br>4 BLACK<br>5 NOT USED                             | 1 BROWN<br>2 WHITE<br>3 BLUE<br>4 BLACK<br>5 GRAY                                  |

- NOTES:
- 1. MATERIAL: AS NOTED
  - 2. FINISH: AS NOTED
  - 3. ELECTRICAL:  
VOLTAGE: 250V  
CURRENT: 4A
  - 4. TEMP RATING: -20°TO +105°C
  - 5. PROTECTION: IP67 (WHEN MATED)
  - 6. COUPLING THREAD: M12X1
  - 7. UL RECOGNIZED FILE: E152210  
CSA CERTIFIED FILE: LR6837
  - 8. ALL DIMENSIONS ARE FOR REFERENCE  
UNLESS TOLERANCED OR NOTED OTHERWISE



| PART NO    | ENGINEERING NO. | FINISHED LENGTH | POLES | CABLE DIA. |
|------------|-----------------|-----------------|-------|------------|
| 1200651113 | 803006K05M006   | 0.6M [2FT]      | 3     | .20 [5.1]  |
| 1200652049 | 804006K05M150   | 15M [49FT 2 IN] | 4     | .21 [5.3]  |
| 1200652470 | 805006K05M300   | 30M [98FT 5 IN] | 5     | .23 [5.8]  |



CABLE FLEX CHARACTERISTICS

|                      |                                    |
|----------------------|------------------------------------|
| TORSIONAL FLEX TEST  | 10 MILLION CYCLES PER MIL-C-13777G |
| BEND FLEX TEST       | 10 MILLION CYCLES PER MIL-C-13777G |
| WELD SLAG RESISTANCE | WOODHEAD STANDARD S-300            |

|      |               |              |                  |
|------|---------------|--------------|------------------|
| 6    | WRAP LABEL    | VINYL        | BLACK/YELLOW     |
| 5    | OVERMOLD      | TPC          | YELLOW           |
| 4    | COUPLING NUT  | BRASS        | NICKEL PLATED    |
| 3    | CONTACT PIN   | COPPER ALLOY | GOLD OVER NICKEL |
| 2    | MALE INSERT   | PUR          | BLACK            |
| 1    | #22 AWG CABLE | TPE JACKET   | YELLOW           |
| ITEM | DESCRIPTION   | MATERIAL     | FINISH           |

PART NO. MATRIX  
803006K05M006

POLES  
(3, 4 & 5)

FINISHED LENGTH  
M005 = 0.5 METER  
M010 = 1 METER  
M100 = 10 METER

CABLE LENGTH TOLERANCES  
<.3M [1FT]: +19mm-0 [ +.75in-0]  
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]  
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]  
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]  
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]  
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]  
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]  
OVER 30M [100FT] +2% OF FINISHED LENGTH

|                                                                                                 |                                                                                                                                               |   |       |                        |                                       |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---|-------|------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------|----------------|--|--------------|--|
| FUNCTIONAL SYMBOLS<br><br><div>FA=0</div> <div>FE=0</div> <div>FP=0</div><br>DIVISIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |       |                        |                                       |         | CURRENT REV DESC: ITEM #6 WAS TPE. MODIFIED TEMP RATING & PN CHART                                                                  |        |                                                                                                        |                 | <div>molex</div> <div>MICRO-CHANGE CORDSET, M12, 3-5 POLE, MALE, STRAIGHT, SINGLE KEY, #22 AWG TPE HI-FLEX</div> |                |  |              |  |
|                                                                                                 | DIMENSION UNITS                                                                                                                               |   | SCALE |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |         |                                                                                                                                     |        | EC NO: 671333<br>DRWN: ABENJAMINLW 2021/04/30<br>CHK'D: RSTONE 2021/07/23<br>APPR: BWOODMAN 2021/07/28 |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 | INCH/MM                                                                                                                                       |   | NTS   |                        |                                       |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 |                                                                                                                                               |   |       |                        |                                       |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 |                                                                                                                                               |   | mm    |                        | INCH                                  |         | INITIAL REVISION:<br>DRWN: RSTONE 2018/11/01<br>APPR: BWOODMAN 2018/11/30                                                           |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 | 4 PLACES                                                                                                                                      |   | ±---- |                        | ±----                                 |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 | 3 PLACES                                                                                                                                      |   | ±---- |                        | ±----                                 |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 | 2 PLACES                                                                                                                                      |   | ±---- |                        | ±----                                 |         | PRODUCT CUSTOMER DRAWING<br><br>DOCUMENT NUMBER<br>SD-120065-114<br><br>DOC TYPE<br>PSD<br><br>DOC PART<br>001<br><br>REVISION<br>B |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 | 1 PLACE                                                                                                                                       |   | ±---- |                        | ±----                                 |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
|                                                                                                 | 0 PLACES                                                                                                                                      |   | ±---- |                        | ±----                                 |         |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
| ANGULAR TOL                                                                                     |                                                                                                                                               | ± |       | ----                   |                                       | °       |                                                                                                                                     |        |                                                                                                        |                 |                                                                                                                  |                |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                            |                                                                                                                                               |   |       | THIRD ANGLE PROJECTION |                                       | DRAWING |                                                                                                                                     | SERIES |                                                                                                        | MATERIAL NUMBER |                                                                                                                  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                 |                                                                                                                                               |   |       |                        |                                       | C-SIZE  |                                                                                                                                     | 120065 |                                                                                                        | SEE CHART       |                                                                                                                  | GENERAL MARKET |  | 1 OF 1       |  |