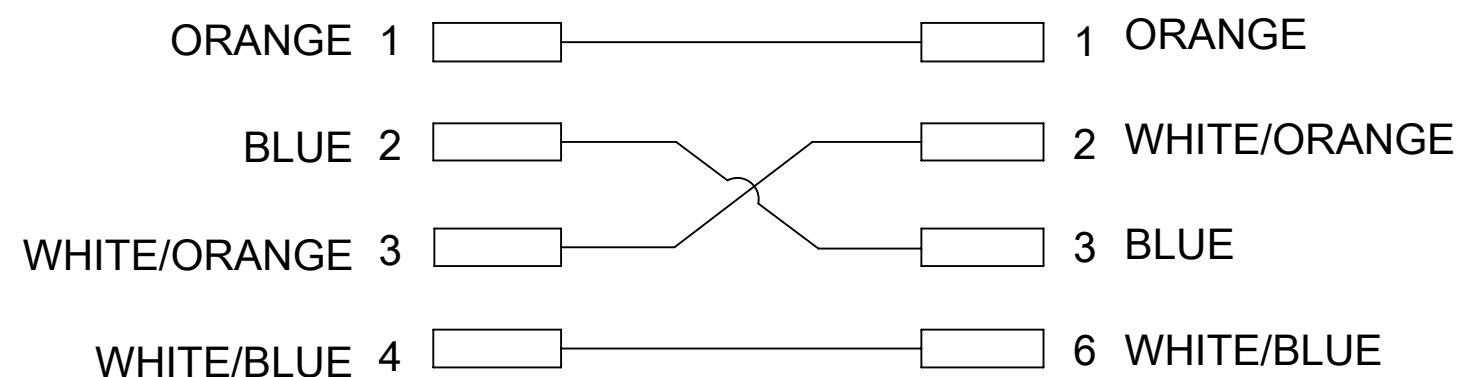
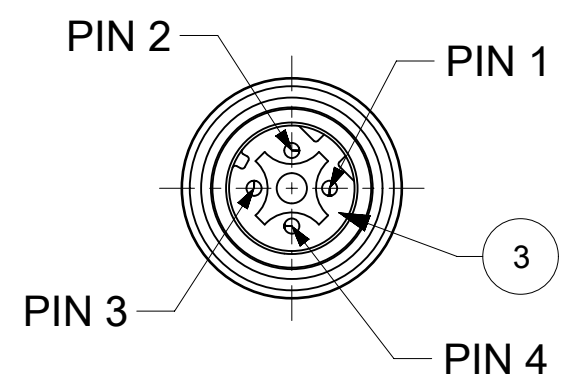


1. ELECTRICAL DATA:  
VOLTAGE RATING: 125V  
CURRENT RATING: 1.5A  
INSULATION RESISTANCE:  $10^8 \Omega$  MIN.  
MATING CYCLES: MIN. 100  
TEMP RANGE: -25°C TO +75°C  
PROTECTION: IP67 (WHEN MATED)  
UL FILE: E200650
2. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

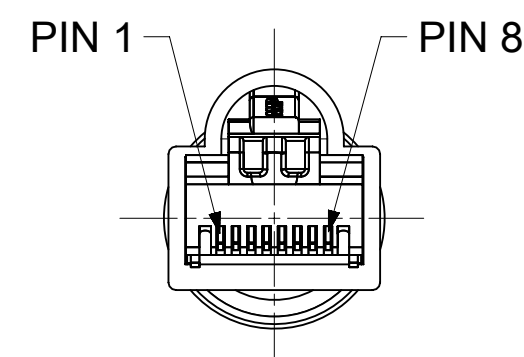
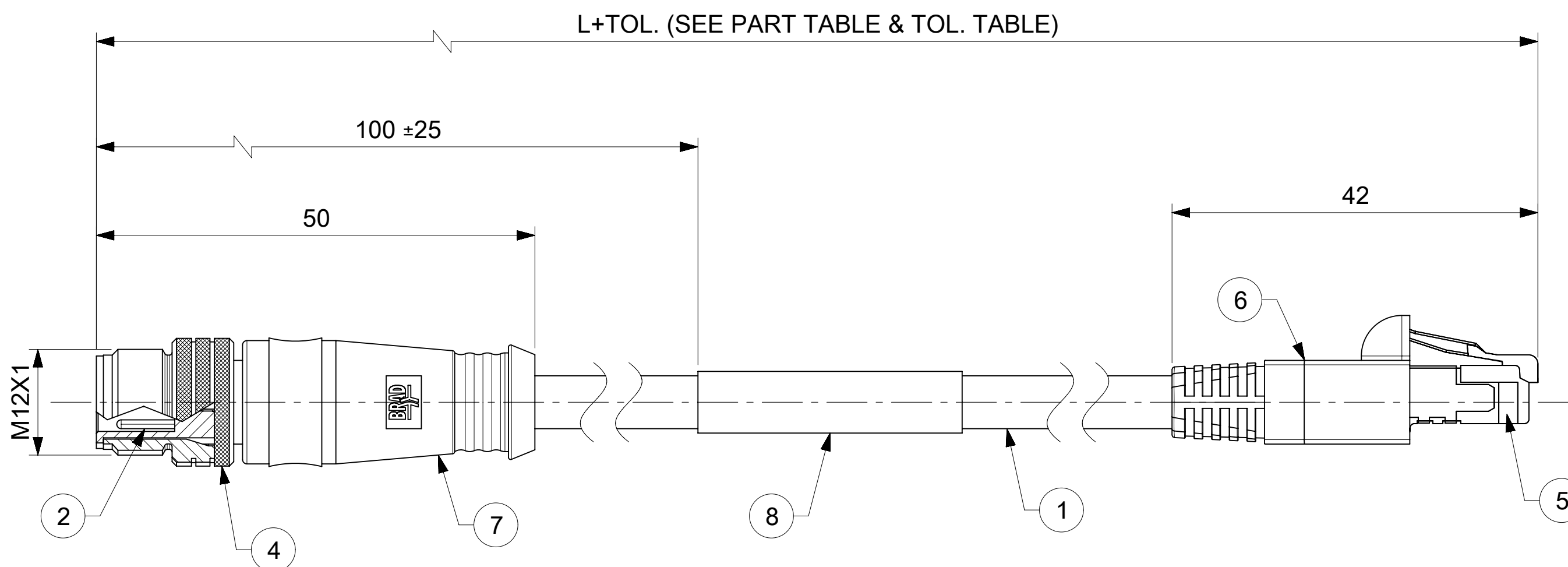
## M12 (4 PIN) TO RJ45 STRAIGHT THRU WIRING



| TABLE OF LENGTH TOLERANCES |                     |               |
|----------------------------|---------------------|---------------|
| OVER                       | UP TO AND INCLUDING | TOLERANCE     |
| 0                          | 305                 | +19           |
| 305                        | 915                 | +45           |
| 915                        | 1830                | +56           |
| 1830                       | 3660                | +89           |
| 3660                       | 7320                | +165          |
| 7320                       | 14640               | +317          |
| 14640                      | 30500               | +610          |
| 30500                      | >                   | +2% OF LENGTH |



VIEW FROM FRONT SIDE  
M12 4 POLE MALE



VIEW FROM FRONT SIDE  
RJ45 MALE

| ITEM | DESCRIPTION               | MATERIAL      | FINISH      |
|------|---------------------------|---------------|-------------|
| 1    | CABLE, ETHERNET, 24-4     | PVC JACKET    | TEAL        |
| 2    | CONTACT PIN               | COPPER ALLOY  | GOLD PLATED |
| 3    | INSERT D-CODE 4 POLE MALE | PUR           | BLACK       |
| 4    | COUPLING NUT M12 MALE     | BRASS         | NICKEL      |
| 5    | RJ45 PLUG                 | POLYCARBONATE | TRANSPARENT |
| 6    | RJ45 BOOT, HOODED         | PVC           | BLACK       |
| 7    | OVERMOLD                  | TPU           | BLACK       |
| 8    | LABEL                     | VINYL         | BLACK/WHITE |

|                                                                                               |  |                                                                                                                                               |  |              |  |                                                                                                                                                   |  |  |  |                  |  |  |  |
|-----------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------|--|--|--|
| FUNCTIONAL SYMBOLS                                                                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |              |  |                                                                                                                                                   |  |  |  |                  |  |  |  |
| <div><div><div><div><div></div><div>F</div><div>A</div></div><div>= 0</div></div></div></div> |  | DIMENSION UNITS<br>mm                                                                                                                         |  | SCALE<br>2:1 |  | CURRENT REV DESC: AS PER THE PCN-514377<br>REPLACED THE RJ45 BOOT FROM P/N 1302328002<br>TO P/N 1301980188 IN ASSEMBLY AND UPDATED<br>THE DRAWING |  |  |  | <div>molex</div> |  |  |  |
| <div><div><div><div></div><div>F</div><div>C</div></div><div>= 0</div></div></div>            |  |                                                                                                                                               |  |              |  |                                                                                                                                                   |  |  |  |                  |  |  |  |
| <div><div><div><div></div><div>F</div><div>P</div></div><div>= 0</div></div></div>            |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |              |  | CSE M12 RJ45 4P DC MALE<br>STR PVC XM DE UNSH                                                                                                     |  |  |  |                  |  |  |  |
| DIVISIONAL<br>SYMBOLS                                                                         |  | ANGULAR TOL    ±    °                                                                                                                         |  |              |  |                                                                                                                                                   |  |  |  |                  |  |  |  |
|                                                                                               |  | 4 PLACES                                                                                                                                      |  | ±            |  | EC NO: 769239                                                                                                                                     |  |  |  |                  |  |  |  |
|                                                                                               |  | 3 PLACES                                                                                                                                      |  | ±            |  | DRWN: AKABADI                                                                                                                                     |  |  |  |                  |  |  |  |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 1 | 6 | A | 0 | 6 | 0 | 0 | 2 | M | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

LENGTH EXAMPLES  
005=0.5  
010=1  
150=15

SCALE 1:1

|                    |                                                                                                                                               |                            |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------|-----------------------------------------------|-------------------------------|----------|
| 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: AS PER THE PCN-514377<br>REPLACED THE RJ45 BOOT FROM P/N 1302328002<br>TO P/N 1301980188 IN ASSEMBLY AND UPDATED<br>THE DRAWING               |                         |                                     | <b>molex</b>                                  |                               |          |
|                    | <b>mm</b>                                                                                                                                     | <b>1:1</b>                 |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|                    | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |                            |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|                    | ANGULAR TOL    ±       °                                                                                                                      |                            |                                                                                                                                                                 |                         |                                     | CSE M12 RJ45 4P DC MALE<br>STR PVC XM DE UNSH |                               |          |
|                    | 4 PLACES                                                                                                                                      | ±                          |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|                    | 3 PLACES                                                                                                                                      | ±                          |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
| DIVISIONAL SYMBOLS | 2 PLACES                                                                                                                                      | ±                          | EC NO: 769239<br>DRWN: AKABADI                      2023/11/08<br>CHK'D: RSILLER                     2023/11/17<br>APPR: RSILLER                     2023/11/17 |                         |                                     | PRODUCT CUSTOMER DRAWING                      |                               |          |
|                    | 1 PLACE                                                                                                                                       | ±                          |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|                    | 0 PLACES                                                                                                                                      | ±                          |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|                    | INITIAL REVISION:                                                                                                                             |                            | DOCUMENT NUMBER                                                                                                                                                 |                         |                                     | DOC TYPE                                      | DOC PART                      | REVISION |
|                    | DRWN: VHANDI                      2023/04/19                                                                                                  | 1300480015                 |                                                                                                                                                                 |                         | PSD                                 | 000                                           | B                             |          |
|                    | APPR: RSILLER                      2023/05/24                                                                                                 |                            |                                                                                                                                                                 |                         |                                     |                                               |                               |          |
|                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    | THIRD ANGLE PROJECTION<br> | DRAWING<br><b>A3-SIZE</b>                                                                                                                                       | SERIES<br><b>130048</b> | MATERIAL NUMBER<br><b>SEE TABLE</b> | CUSTOMER<br><b>GENERAL MARKET</b>             | SHEET NUMBER<br><b>2 OF 2</b> |          |