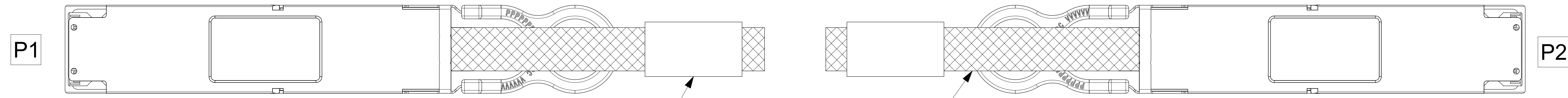
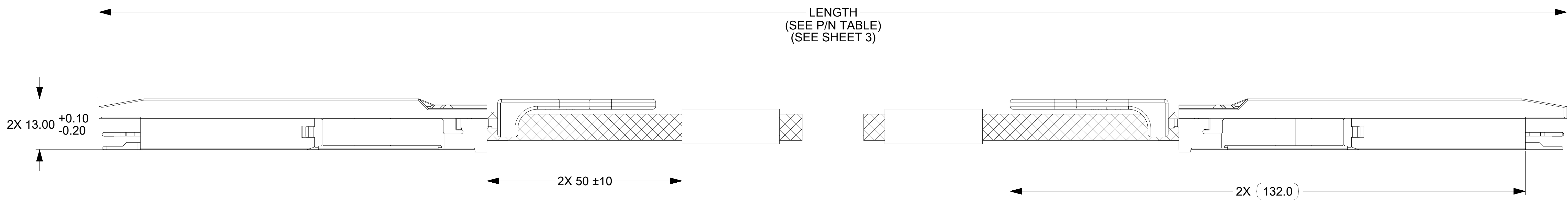




CABLE LABEL  
ONLY ON P1 END FOR  
LENGTHS UNDER 2 METERS



CLOTH TAPE UNDER LABELS

EXPANDO

- NOTES:
1. CABLE LENGTH DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES.
  2. MATERIALS:  
BACKSHELLS - ZINC DIECAST WITH BRIGHT NICKEL PLATING  
DELATCH - STAINLESS STEEL WITH OVERMOLDED PULL
  3. IMPEDANCE - 100 OHMS DIFFERENTIAL.
  4. MODULE IS COMPLIANT TO OSFP MSA REV 3.0 (PENDING TESTING)
  5. EEPROM MAP AVAILABLE UPON REQUEST
  6. RoHS COMPLIANT, NO EXEMPTIONS

|  |   |                        |                                       |                             |                           |   |                 |                                  |          |              |
|--|---|------------------------|---------------------------------------|-----------------------------|---------------------------|---|-----------------|----------------------------------|----------|--------------|
| FUNCTIONAL SYMBOLS<br>$\nabla_A = 0$<br>$\nabla_C = 0$<br>$\nabla_P = 0$<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:                     |                             |                           |   |                 |                                  |          |              |
|  | mm  | 2:1                    | GENERAL TOLERANCES (UNLESS SPECIFIED) |                             |                           |   |                 | OSFP TO OSFP 112G CABLE ASSEMBLY |          |              |
|  | ANGULAR TOL ± 1.0°  |                        | 4 PLACES ±                            |                             | EC NO: 746431             |   | DOCUMENT NUMBER | DOC TYPE                         | DOC PART | REVISION     |
|  | 3 PLACES ±  |                        | 2 PLACES ± 0.13                       |                             | DRWN: FFIERROS 2023/03/23 |   | 2111661000      |                                  | PSD      | 000          |
| 1 PLACE ± 0.25   |   | 0 PLACES ±             |                                       | CHK'D: MGARRISON 2023/04/18 |                           | PRODUCT CUSTOMER DRAWING  |                 |                                  |          |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |   | THIRD ANGLE PROJECTION |                                       | APPR: MGARRISON 2023/04/18  |                           | INITIAL REVISION: DRWN: GBARDELLA 2018/11/02 APPR: MGARRISON 2019/08/02 |                 | GENERAL MARKET                   |          | SHEET NUMBER |
|  |   | D-SIZE                 |                                       | SERIES 211166               |                           | SEE P/N TABLE   |                 | GENERAL MARKET                   |          | 1 OF 3       |

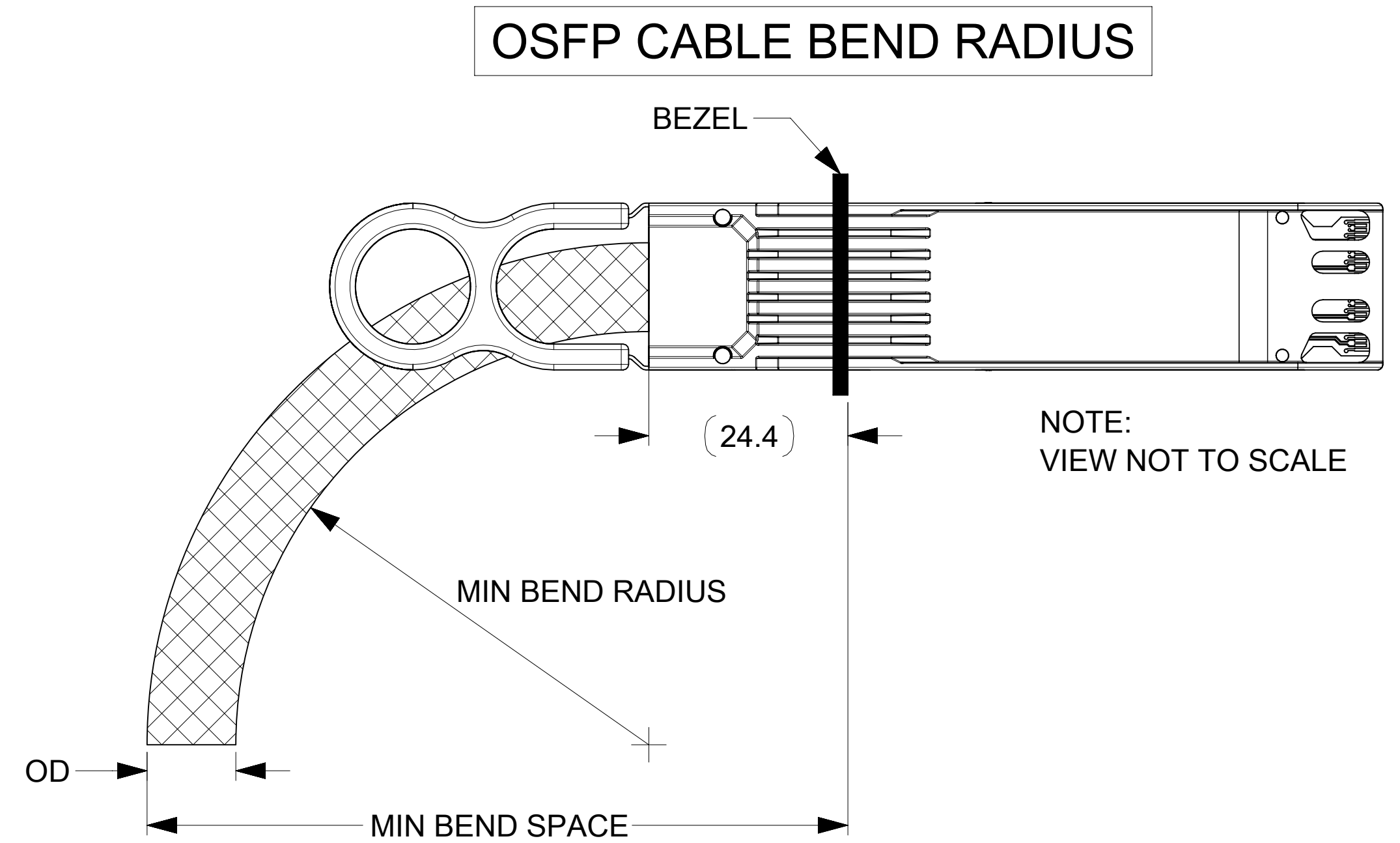
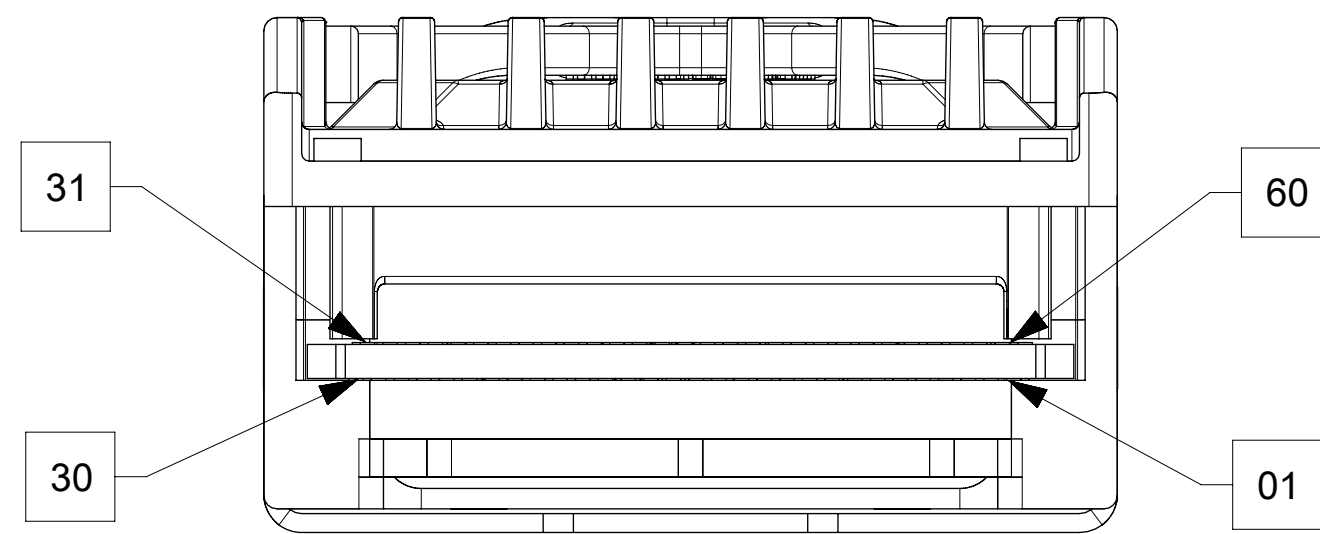
|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/04/18 | 13:34:34 |
|-----------------|----|--------------|------------|----------|

| WIRING DIAGRAM |        |        |     |        |
|----------------|--------|--------|-----|--------|
| P1 END         |        | P2 END |     |        |
| PAD            | SIGNAL |        | PAD | SIGNAL |
| 1              | GND    |        | 31  | GND    |
| 2              | TX2p   | --->   | 32  | RX2p   |
| 3              | TX2n   | --->   | 33  | RX2n   |
| 4              | GND    | ----   | 34  | GND    |
| 5              | TX4p   | --->   | 35  | RX4p   |
| 6              | TX4n   | --->   | 36  | RX4n   |
| 7              | GND    | ----   | 37  | GND    |
| 8              | TX6p   | --->   | 38  | RX6p   |
| 9              | TX6n   | --->   | 39  | RX6n   |
| 10             | GND    | ----   | 40  | GND    |
| 11             | TX8p   | --->   | 41  | RX8p   |
| 12             | TX8n   | --->   | 42  | RX8n   |
| 13             | GND    | ----   | 43  | GND    |
| 18             | GND    | ----   | 48  | GND    |
| 19             | RX7n   | <---   | 49  | TX7n   |
| 20             | RX7p   | <---   | 50  | TX7p   |
| 21             | GND    | ----   | 51  | GND    |
| 22             | RX5n   | <---   | 52  | TX5n   |
| 23             | RX5p   | <---   | 53  | TX5p   |
| 24             | GND    | ----   | 54  | GND    |
| 25             | RX3n   | <---   | 55  | TX3n   |
| 26             | RX3p   | <---   | 56  | TX3p   |
| 27             | GND    | ----   | 57  | GND    |
| 28             | RX1n   | <---   | 58  | TX1n   |
| 29             | RX1p   | <---   | 59  | TX1p   |
| 30             | GND    |        | 60  | GND    |
| 31             | GND    |        | 1   | GND    |
| 32             | RX2p   | <---   | 2   | TX2p   |
| 33             | RX2n   | <---   | 3   | TX2n   |
| 34             | GND    | ----   | 4   | GND    |
| 35             | RX4p   | <---   | 5   | TX4p   |
| 36             | RX4n   | <---   | 6   | TX4n   |
| 37             | GND    | ----   | 7   | GND    |
| 38             | RX6p   | <---   | 8   | TX6p   |
| 39             | RX6n   | <---   | 9   | TX6n   |
| 40             | GND    | ----   | 10  | GND    |
| 41             | RX8p   | <---   | 11  | TX8p   |
| 42             | RX8n   | <---   | 12  | TX8n   |
| 43             | GND    | ----   | 13  | GND    |
| 48             | GND    | ----   | 18  | GND    |
| 49             | TX7n   | --->   | 19  | RX7n   |
| 50             | TX7p   | --->   | 20  | RX7p   |
| 51             | GND    | ----   | 21  | GND    |
| 52             | TX5n   | --->   | 22  | RX5n   |
| 53             | TX5p   | --->   | 23  | RX5p   |
| 54             | GND    | ----   | 24  | GND    |
| 55             | TX3n   | --->   | 25  | RX3n   |
| 56             | TX3p   | --->   | 26  | RX3p   |
| 57             | GND    | ----   | 27  | GND    |
| 58             | TX1n   | --->   | 28  | RX1n   |
| 59             | TX1p   | --->   | 29  | RX1p   |
| 60             | GND    |        | 30  | GND    |

LEGEND:  
 ---> = TRANSMIT TO RECEIVE ON HIGH SPEED LINES  
 ---- = THRU LINES

| LOW SPEED SIGNALS<br>P1 & P2 |           |
|------------------------------|-----------|
| PAD                          | SIGNAL    |
| 14                           | SCL       |
| 15                           | VCC       |
| 16                           | VCC       |
| 17                           | LPWn/PRSn |
| 44                           | INT/RSTn  |
| 45                           | VCC       |
| 46                           | VCC       |
| 47                           | SDA       |

OSFP



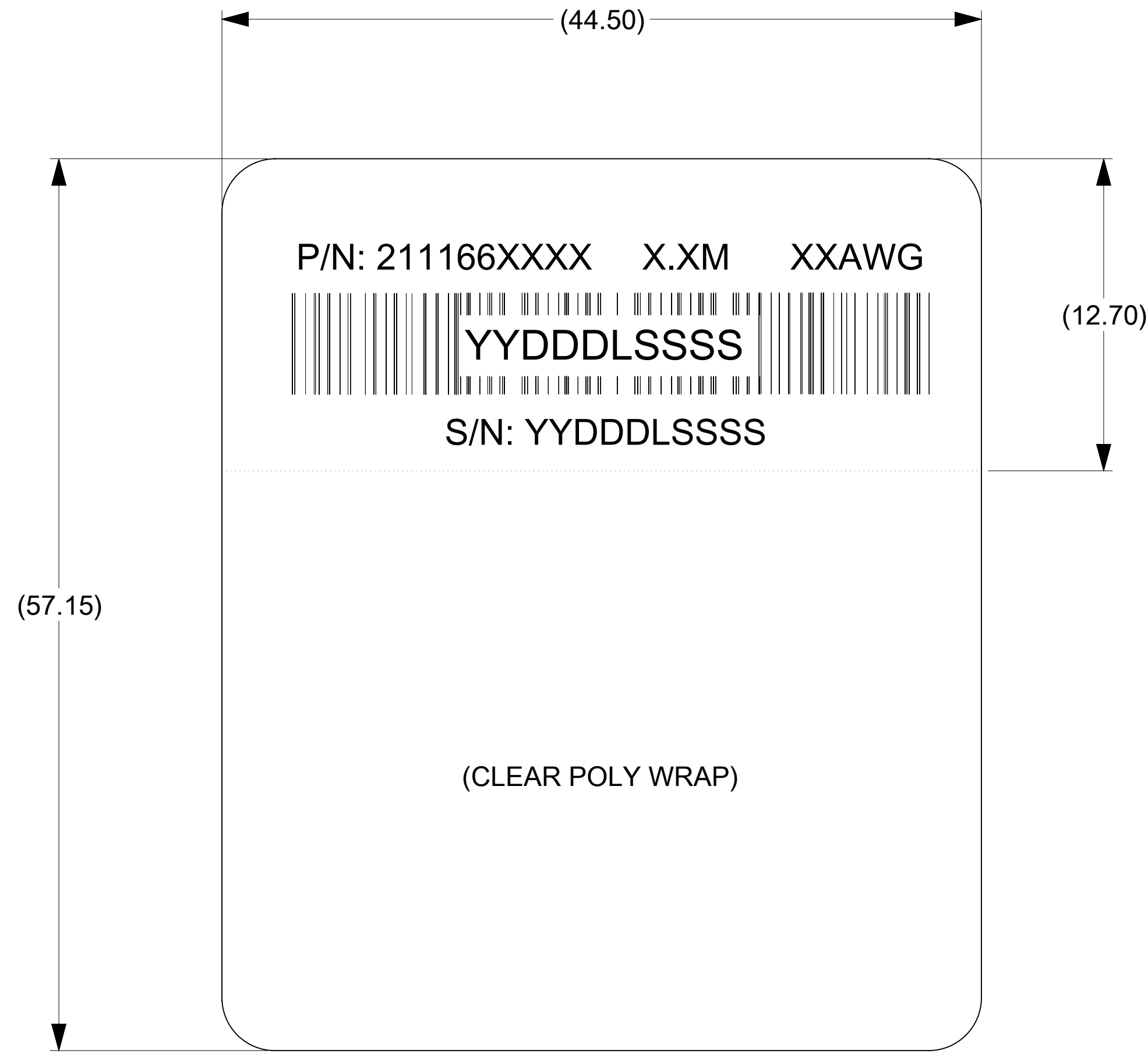
| CABLE AWG | OD (mm) | MIN BEND RADIUS (mm) | MIN BEND SPACE (mm) |
|-----------|---------|----------------------|---------------------|
| 32        | (8.3)   | (42)                 | (75)                |
| 30        | (9.5)   | (48)                 | (82)                |
| 28        | (11.0)  | (55)                 | (91)                |
| 26        | (12.7)  | (64)                 | (101)               |

! CABLE OD AND MINIMUM BEND RADIUS ARE PENDING QUALIFICATION. ANY NUMBERS LISTED ABOVE ARE ESTIMATES AND ARE SUBJECT TO CHANGE.

NOTES:  
 1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY.

|   |   |                                  |                                       |  |   |
|---|---|----------------------------------|---------------------------------------|--|---|
| FUNCTIONAL SYMBOLS<br>$F_A = 0$<br>$F_C = 0$<br>$F_P = 0$<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:                     |  |   |
|   | mm  | SCALE 1.5:1                      | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |   |
|   | ANGULAR TOL ± 1.0°  |                                  | 4 PLACES ±                            |  |   |
|   | 3 PLACES ±  |                                  | 2 PLACES ± 0.13                       |  |   |
| 1 PLACE ± 0.25  |   | 0 PLACES ±                       |                                       | EC NO: 746431<br>DRWN: FFIERRROS 2023/03/23<br>CHK'D: MGARRISON 2023/04/18<br>APPR: MGARRISON 2023/04/18 |   |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                            |   | THIRD ANGLE PROJECTION           | DRAWING D-SIZE                        | SERIES 211166  | INITIAL REVISION:<br>DRWN: GBARDELLA 2018/11/02<br>APPR: MGARRISON 2019/08/02 |
| DOCUMENT STATUS P1  |   | RELEASE DATE 2023/04/18 13:34:34 | DOCUMENT NUMBER 2111661000            |  | DOC TYPE PSD<br>DOC PART 000<br>REVISION K                                    |
| SEE P/N TABLE   |   | GENERAL MARKET                   |                                       | SHEET NUMBER 2 OF 3  |   |

**LABEL DETAILS**



**PART NUMBER TABLES**

| DUAL DRAIN |            |                |     |
|------------|------------|----------------|-----|
| MOLEX P/N  | LENGTH (M) | TOLERANCE (mm) | AWG |
| 2111661205 | 0.5        | ±10            | 30  |
| 2111661210 | 1.0        | ±10            | 30  |
| 2111661213 | 1.3        | ±10            | 30  |
| 2111661214 | 1.4        | ±10            | 30  |
| 2111663205 | 0.5        | ±10            | 28  |
| 2111663210 | 1.0        | ±10            | 28  |
| 2111663214 | 1.4        | ±10            | 28  |
| 2111663216 | 1.6        | ±10            | 28  |
| 2111664205 | 0.5        | ±10            | 26  |
| 2111664210 | 1.0        | ±10            | 26  |
| 2111664215 | 1.5        | ±10            | 26  |
| 2111664218 | 1.8        | ±10            | 26  |
| 2111664220 | 2.0        | ±10            | 26  |
| 2111665205 | 0.5        | ±10            | 32  |
| 2111665210 | 1.0        | ±10            | 32  |

| DRAINLESS  |            |                |     |
|------------|------------|----------------|-----|
| MOLEX P/N  | LENGTH (M) | TOLERANCE (mm) | AWG |
| 2111661005 | 0.5        | ±10            | 30  |
| 2111661010 | 1.0        | ±10            | 30  |
| 2111661013 | 1.3        | ±10            | 30  |
| 2111661014 | 1.4        | ±10            | 30  |
| 2111663005 | 0.5        | ±10            | 28  |
| 2111663010 | 1.0        | ±10            | 28  |
| 2111663014 | 1.4        | ±10            | 28  |
| 2111663016 | 1.6        | ±10            | 28  |
| 2111664005 | 0.5        | ±10            | 26  |
| 2111664010 | 1.0        | ±10            | 26  |
| 2111664015 | 1.5        | ±10            | 26  |
| 2111664018 | 1.8        | ±10            | 26  |
| 2111664020 | 2.0        | ±10            | 26  |
| 2111665005 | 0.5        | ±10            | 32  |
| 2111665010 | 1.0        | ±10            | 32  |

**!** CABLE LENGTH AND AWG ARE PENDING QUALIFICATION AND ARE SUBJECT TO CHANGE

P/N: 211166XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

X.XM - CABLE LENGTH IN METERS (EXAMPLES - 0.5M, 0.75M, 1.0M, 1.5M)

XXAWG - CABLE SIZE IN AWG

S/N: YYDDLSSSS - SERIAL NUMBER

YY = YEAR, THE LAST TWO DIGITS OF YEAR

DDD = DAY OF THE YEAR

L = LOCATION

1 - USA

2 - MEXICO

3 - CHINA

4 - PHILIPPINES

SSSS = SERIAL NUMBER (0001-9999)

**SPECIAL LENGTH PART NUMBER TABLE\***

| MOLEX P/N  | LENGTH (M) | TOLERANCE (mm) | AWG |
|------------|------------|----------------|-----|
| 2111664025 | 2.5        | ±10            | 26  |

\* PART NUMBER IN THIS TABLE WILL NOT MEET IEE802.3ck

|  |   |  |                             |                 |  |                |              |
|--|---|--|-----------------------------|-----------------|--|----------------|--------------|
| <b>FUNCTIONAL SYMBOLS</b><br>FA = 0<br>FC = 0<br>FP = 0<br><b>DIVISIONAL SYMBOLS</b> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | CURRENT REV DESC:           |                 | <br>OSFP TO OSFP 112G CABLE ASSEMBLY<br>PRODUCT CUSTOMER DRAWING |                |              |
|  | DIMENSION UNITS   | SCALE  | EC NO: 746431               |                 |  |                |              |
|  | mm  | 1:1  | DRWN: FFIERROS 2023/03/23   |                 |  |                |              |
|  | GENERAL TOLERANCES (UNLESS SPECIFIED)   |  | CHK'D: MGARRISON 2023/04/18 |                 |  |                |              |
| ANGULAR TOL ± 1.0°   |   | APPR: MGARRISON 2023/04/18                           |                             | DOCUMENT NUMBER | DOC TYPE   | DOC PART       | REVISION     |
| 4 PLACES ±   |   | INITIAL REVISION:                                    |                             | 2111661000      | PSD  | 000            | K            |
| 3 PLACES ±   |   | DRWN: GBARDELLA 2018/11/02                           |                             |                 |  |                |              |
| 2 PLACES ± 0.13  |   | APPR: MGARRISON 2019/08/02                           |                             |                 |  |                |              |
| 1 PLACE ± 0.25   |   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                             |                 |  |                |              |
| 0 PLACES ±   |   | THIRD ANGLE PROJECTION                               | DRAWING                     | SERIES          | MATERIAL NUMBER  | CUSTOMER       | SHEET NUMBER |
|  |   |  | D-SIZE                      | 211166          | SEE P/N TABLE  | GENERAL MARKET | 3 OF 3       |