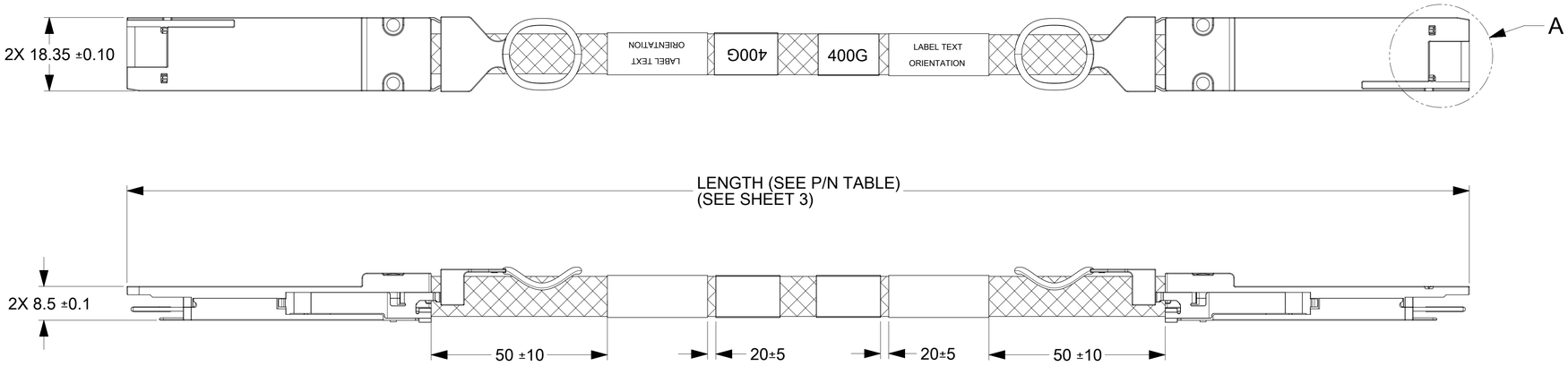
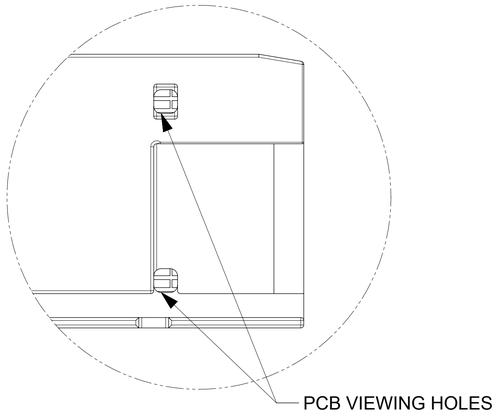
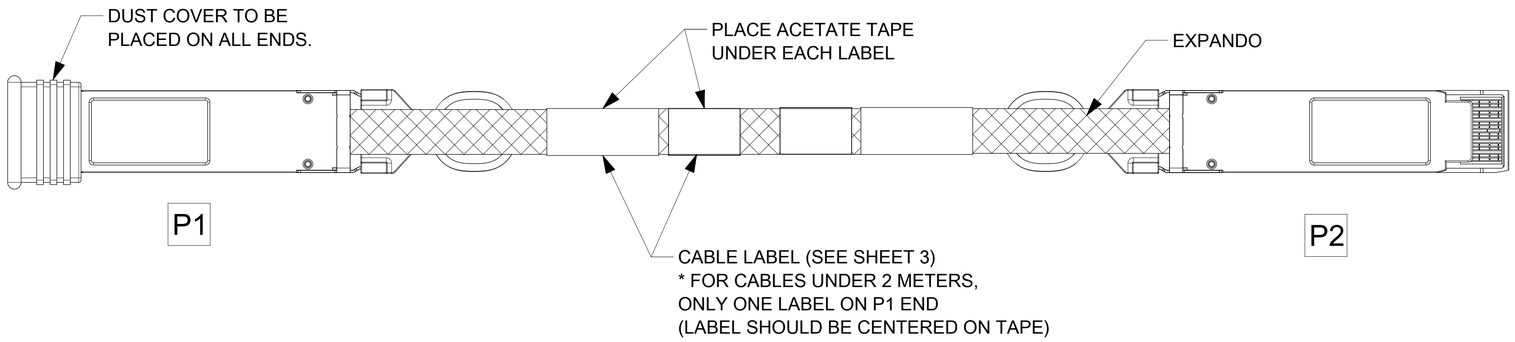
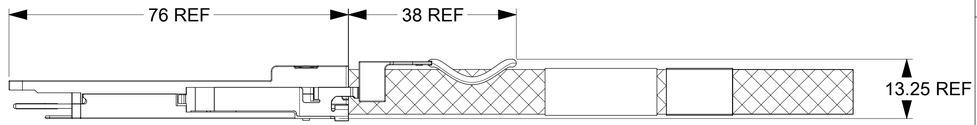



DETAIL A
SCALE 5:1




NOTES:
1. CABLE LENGTH DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
2. MATERIALS:
   BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
   RIVETS - STAINLESS STEEL
3. IMPEDANCE - 100 OHMS DIFFERENTIAL
4. EEPROM MAP AVAILABLE UPON REQUEST
5. RoHS COMPLIANT, NO EXEMPTIONS

| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/04/07 11:06:28 |
|---|---|---|---|

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FF = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 2:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 5.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.13 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET4 : ADDED 1M AND 1.5M LENGTH TO PN TABLE

EC NO: 660218
DRWN: KNAGANNA 2021/04/06
CHK'D: SKAMATHN 2021/04/07
APPR: KNAGANNA 2021/04/07

INITIAL REVISION:
DRWN: RWHIPPLE 2020/07/17
APPR: MGARRISON 2020/07/20

molex

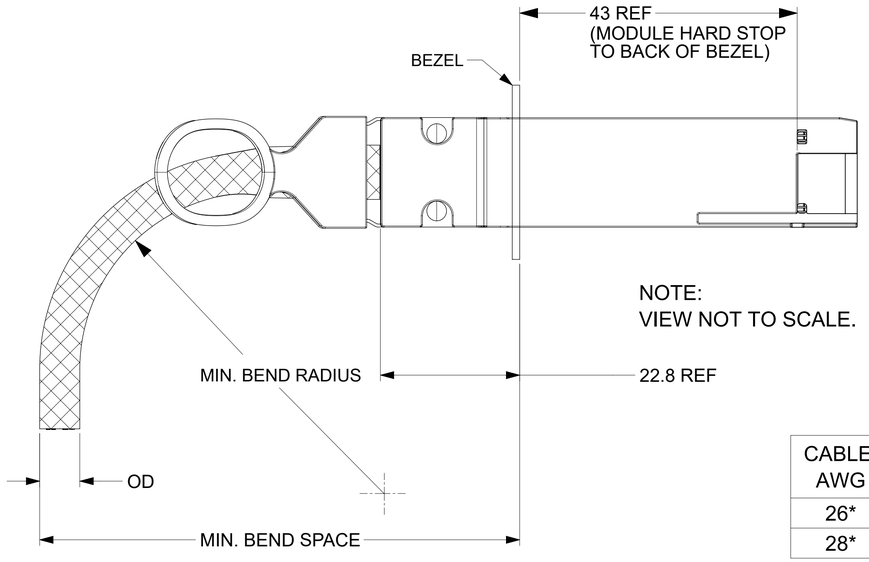
QSFP-DD TO QSFP-DD 56G PASSIVE CABLE ASY

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 2015913106 | PSD | 000 | D |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 201591 | SEE P/N TABLE | GENERAL MARKET | 1 OF 4 |

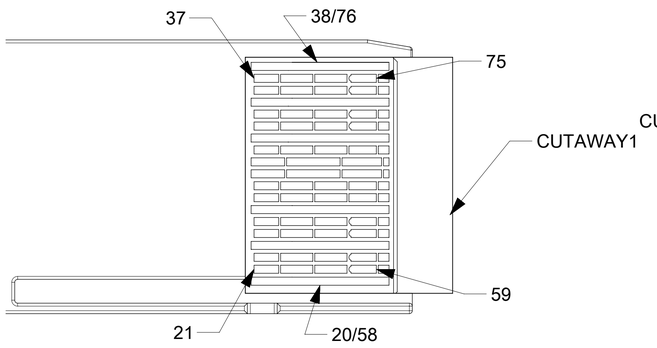
# CABLE BEND RADIUS



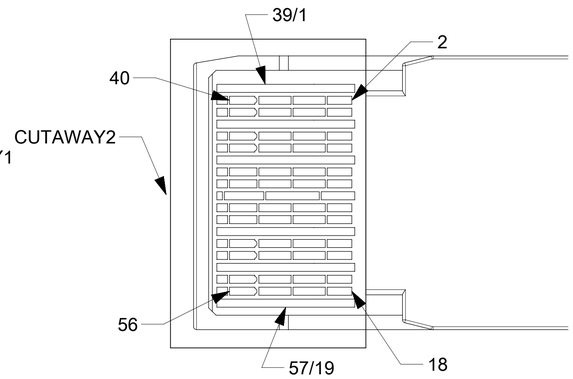

NOTE:
VIEW NOT TO SCALE.

| CABLE AWG | OD (mm) | MIN BEND RADIUS (mm) | MIN BEND SPACE (mm) |
|---|---|---|---|
| 26* | (13) | (65) | (101) |
| 28* | (11) | (55) | (89) |

*MINIMUM BEND RADIUS PENDING QUALIFICATION. NUMBERS ABOVE ARE ESTIMATES AND SUBJECT TO CHANGE.




TOP VIEW




BOTTOM VIEW

NOTES:
1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY
2. CABLE COILED AND PACKAGED IN BEST FIT ESD BAG AND SEALED WITH ESD LABEL FOR SHIPPING

| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/04/07 11:06:28 |
|---|---|---|---|

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FB = 0

DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm
SCALE: 20:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 5.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.13 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET4 : ADDED 1M AND 1.5M LENGTH TO PN TABLE

EC NO: 660218
DRWN: KNAGANNA 2021/04/06
CHK'D: SKAMATHN 2021/04/07
APPR: KNAGANNA 2021/04/07

INITIAL REVISION:
DRWN: RWHIPPLE 2020/07/17
APPR: MGARRISON 2020/07/20

THIRD ANGLE PROJECTION

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QSFP-DD TO QSFP-DD 56G PASSIVE CABLE ASY

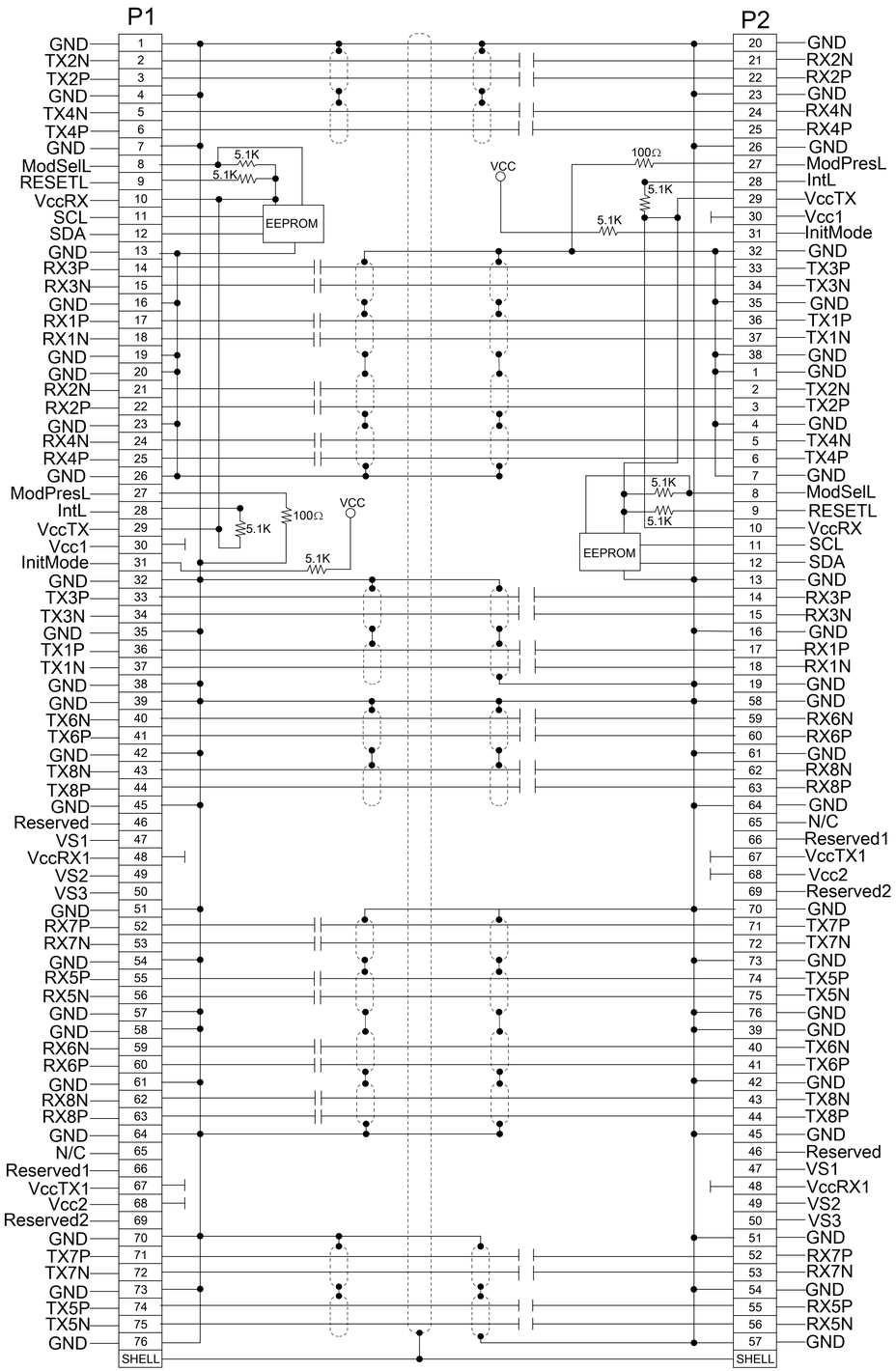
PRODUCT CUSTOMER DRAWING

| DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER |
|---|---|---|---|
| D-SIZE | 201591 | SEE P/N TABLE | GENERAL MARKET |

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 2015913106 | PSD | 000 | D |

SHEET NUMBER: 2 OF 4

# WIRING DIAGRAM




| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/04/07 | 11:06:28 |
|---|---|---|---|---|

| FUNCTIONAL SYMBOLS | |
|---|---|
| FA = | 0 |
| FC = | 0 |
| FP = | 0 |
| DIVISIONAL SYMBOLS | |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 1:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 5.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.13 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET4 : ADDED 1M AND 1.5M LENGTH TO PN TABLE

EC NO: 660218

| | | |
|---|---|---|
| DRWN: | KNAGANNA | 2021/04/06 |
| CHK'D: | SKAMATHN | 2021/04/07 |
| APPR: | KNAGANNA | 2021/04/07 |

INITIAL REVISION:

| | | |
|---|---|---|
| DRWN: | RWHIPPLE | 2020/07/17 |
| APPR: | MGARRISON | 2020/07/20 |

molex

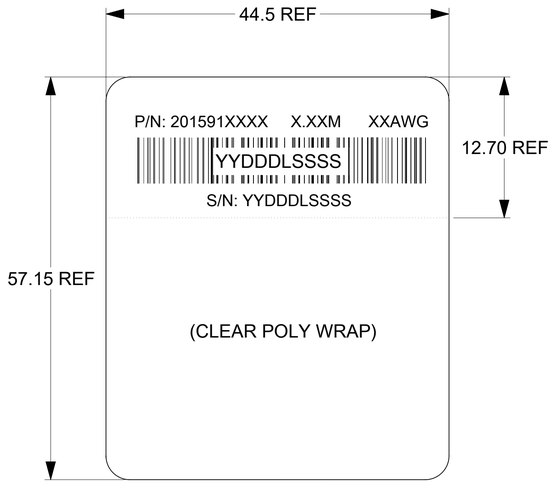
QSFP-DD TO QSFP-DD 56G PASSIVE CABLE ASY

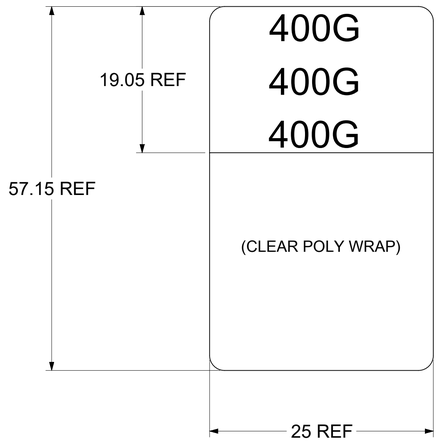
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 2015913106 | PSD | 000 | D |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 201591 | SEE P/N TABLE | GENERAL MARKET | 3 OF 4 |

# LABEL DETAILS




P/N: 201591XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

X.XXM - CABLE LENGTH IN METERS (EXAMPLES - 0.5M, 1.0M, 1.5M)
SEE P/N TABLE FOR THE NUMBER OF DIGITS

XXAWG - CABLE SIZE IN AWG

S/N: YYDDDLSSSS - SERIAL NUMBER
YY = YEAR, THE LAST 2 DIGITS OF YEAR
DDD = DAY OF THE YEAR
L = LOCATION
1 - USA
2 - MEXICO
3 - CHINA
4 - PHILIPPINES
SSSS = SERIAL NUMBER (0001-9999)

| MOLEX P/N | LENGTH (M) | AWG |
|---|---|---|
| 2015913106 | 1.0M +/- 0.08M | 28 |
| 2015913156 | 1.5M +/- 0.08M | 28 |
| 2015913176 | 1.75M +/- 0.08M | 28 |
| 2015913206 | 2.0M +/- 0.08M | 28 |
| 2015913256 | 2.5M +/- 0.08M | 26 |
| 2015913276 | 2.75M +/- 0.08M | 26 |
| 2015913306 | 3.0M +/- 0.08M | 26 |

| | | | | | |
|---|---|---|---|---|---|
| FUNCTIONAL SYMBOLS FA= 0 FC= 0 FE= 0 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |
| DIVISIONAL SYMBOLS | DIMENSION UNITS: mm; SCALE: 1:1 | CURRENT REV DESC: SHEET4 : ADDED 1M AND 1.5M LENGTH TO PN TABLE | molex | | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 5.0 ° | | QSFP-DD TO QSFP-DD 56G PASSIVE CABLE ASY | | |
| | 4 PLACES ± | EC NO: 660218 | PRODUCT CUSTOMER DRAWING | | |
| | 3 PLACES ± | DRWN: KNAGANNA 2021/04/06 | DOCUMENT NUMBER: 2015913106 | DOC TYPE: PSD | DOC PART: 000 |
| | 2 PLACES ± 0.13 | CHK'D: SKAMATHN 2021/04/07 | | | REVISION: D |
| | 1 PLACE ± 0.25 | APPR: KNAGANNA 2021/04/07 | | | |
| | 0 PLACES ± | INITIAL REVISION: | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRWN: RWHIPPLE 2020/07/17 | THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 201591 |
| | | APPR: MGARRISON 2020/07/20 | MATERIAL NUMBER: SEE P/N TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 4 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/04/07 11:06:28 |
|---|---|---|---|