REVISION F

ESD SENSITIVE



| | TABLE 1: ASSEMBLY LENGTH LIMITS [cm] | | | | | | | | | | | | |
|------------|--------------------------------------|------------|-----|-----|-----|-----|-----|----|-----------|-----|-----|-----|--|
| | | MIN | | | | | | | MAX | | | | |
| | | END OPTION | | | | | | | HEAT SINK | | | | |
| | | -01 | -02 | -07 | -0A | -0C | -0E | - | 1 | -2 | -3 | -4 | |
| FIBER TYPE | -5 | 11 | 11 | 10 | 9 | 9 | 8 | 10 | 00 | 100 | 50 | 100 | |
| | -6 | 11 | 11 | 10 | 9 | 9 | 8 | 10 | 00 | 100 | 50 | 100 | |
| | -7 | 14 | 14 | 12 | 11 | 13 | 10 | 3 | 00 | 300 | 300 | 300 | |
| | -8 | 12 | 12 | 10 | 9 | 11 | 8 | 3 | 00 | 300 | 300 | 300 | |

| TABLE 2: LENGTH TOLERANCE | | | | | | | | |
|---------------------------|----------------|--|--|--|--|--|--|--|
| ASSEMBLY LENGTH (cm) | TOLERANCE (cm) | | | | | | | |
| 000-016 | ±0.16 | | | | | | | |
| 017-999 | ±1% | | | | | | | |

^{*} ROUNDED UP TO 2 DECIMAL PLACES

ETUO-X12-XX-XXX-0-X-1-X-XX

-R12: x12 Rx

DATA RATE -10: 10.3125 Gbps

ASSEMBLY LENGTH -XXX: LENGTH (cm) SEE TABLES 1, 2

-1: FLAT -2: PIN FIN

-3: FLAT WITH GROOVE (SEE NOTE 2)

-4: PCIe® PIN FIN

END OPTION

-01: MTP® MALE

-02: MTP® FEMALE -07: MXC® INTERNAL PLUG

-0A: VITA 66.1/66.4 READY (SEE NOTE 8)

-0C: MT38999 MALE (SEE NOTE 9)

-0E: MPO PLUS® BAYONET MÁLE

FIBER TYPE

-5: BLACK JACKETED RIBBON WITH BOOT

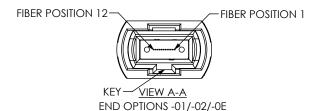
-6: BLACK JACKETED RIBBON

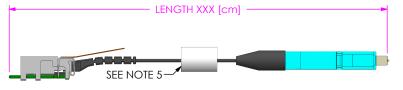
-7: BLACK LOOSE TUBE WITH BOOT

-8: BLACK LOOSE TUBE



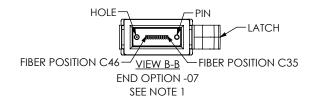
PART NUMBER ETUO-X12-XX-XXX-0-1-1-5-01 SHOWN





PART NUMBER ETUO-X12-XX-XXX-0-1-1-5-07 SHOWN





NOTES:

- QUANTITY OF LENSES PRESENT MAY VARY. FIBER POSITION DOES NOT CHANGE REGARDLESS OF THE NUMBER OF LENSES PRESENT
- GROOVE ALLOWS ONE JACKETED RIBBON (FIBER TYPE -5/-6) OF CABLE LENGTH MAX 50 2. CM OR TWO CABLES OF JACKETED LOOSE TUBE (FIBER TYPE -7/-8) TO PASS ABOVE HEAT SINK AND UNDER COLD PLATE
- 3. FIREFLY MUST BE INSTALLED IN A NO-TENSION STATE FREE FROM DYNAMIC FLEXING
- ALL MTP®/MPO ARE INTERMATABLE WITH CONNECTOR ADHERING TO TIA-604-5 4.
- 5. ALL CABLES WITH A LENGTH GREATER THAN 50 cm ARE LABELED. LABEL TO CONTAIN PART NUMBER AND SERIAL NUMBER INFORMATION
- DUST CAPS REMOVED FROM ALL VIEWS FOR CLARITY 6.
- 7. YELLOW LATCH PINS NOT SHOWN FOR CLARITY. SEE FIREFLY INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
- 8. FOR USE WITH TE VITA 66.1 (2000974-1) AND VITA 66.4 (2226881-1) DAUGHTER CARD PART
- 9. ASSEMBLIES SHIPPED WITH AMPHENOL PART NUMBER CF-594711-01S INSTALLED

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. ALL DIMENSIONS ARE FOR REFERENCE ONLY

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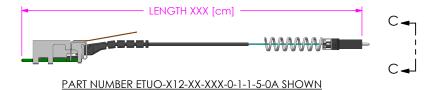
520 PARK FAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047

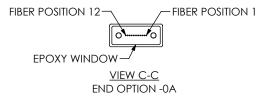
EXTENDED TEMPERATURE OPTICAL FIREFLY ASSEMBLY

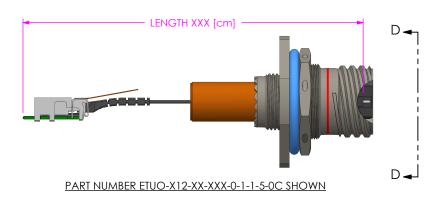
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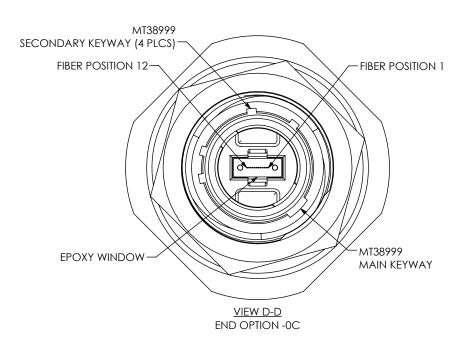
BY: AARON B. 04/17/2020 | SHEET 1 OF 11

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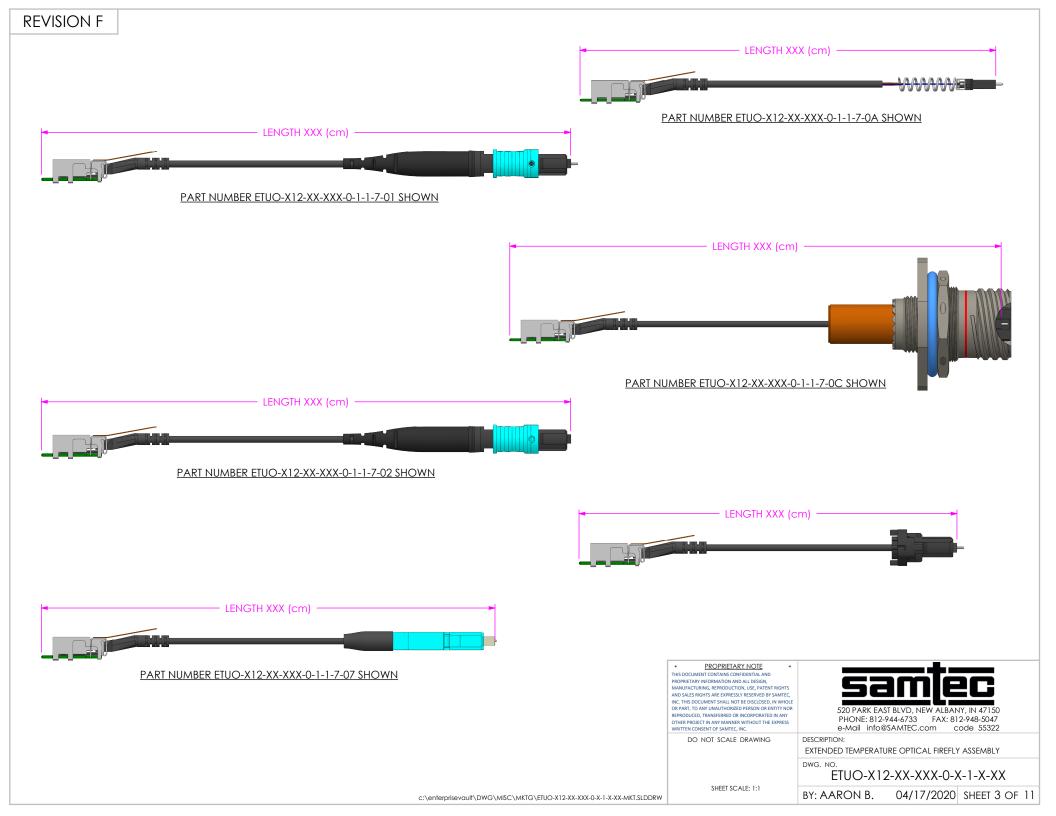
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BY: AARON B. 04/17/2020 SHEET 2 OF 11



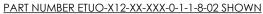
REVISION F

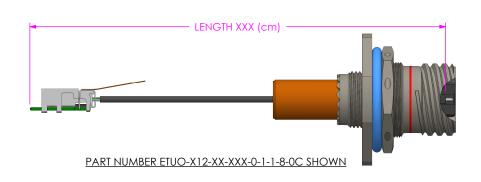




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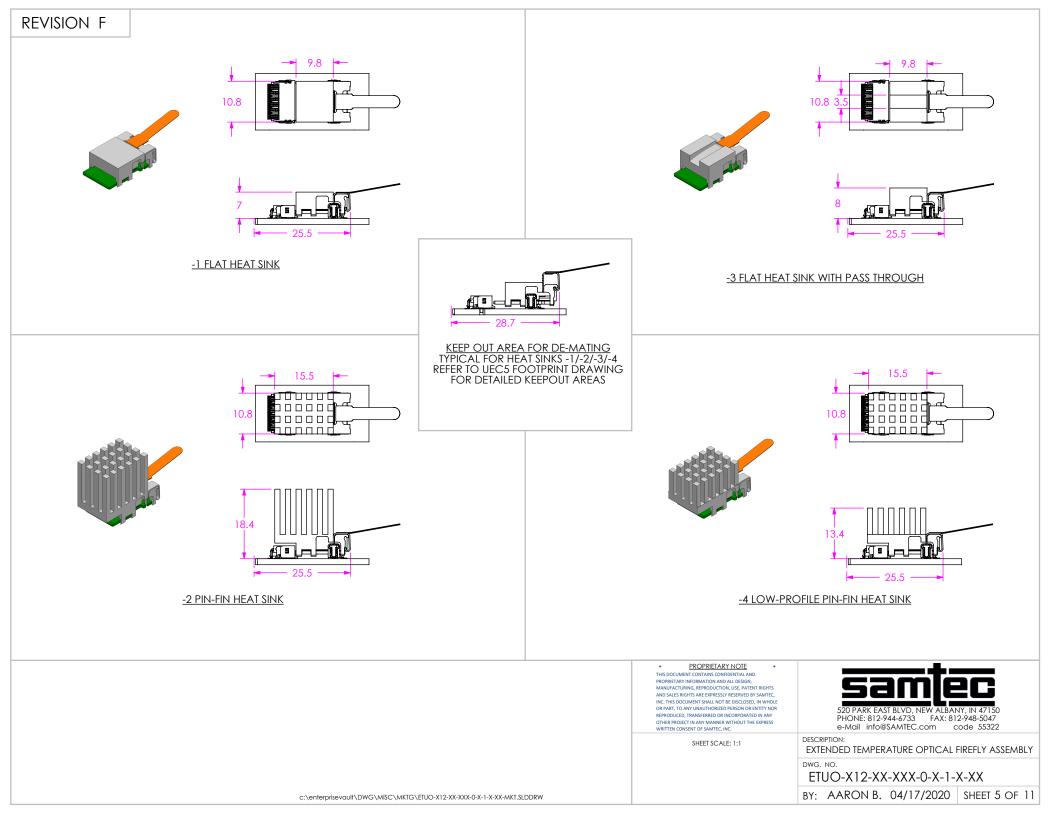
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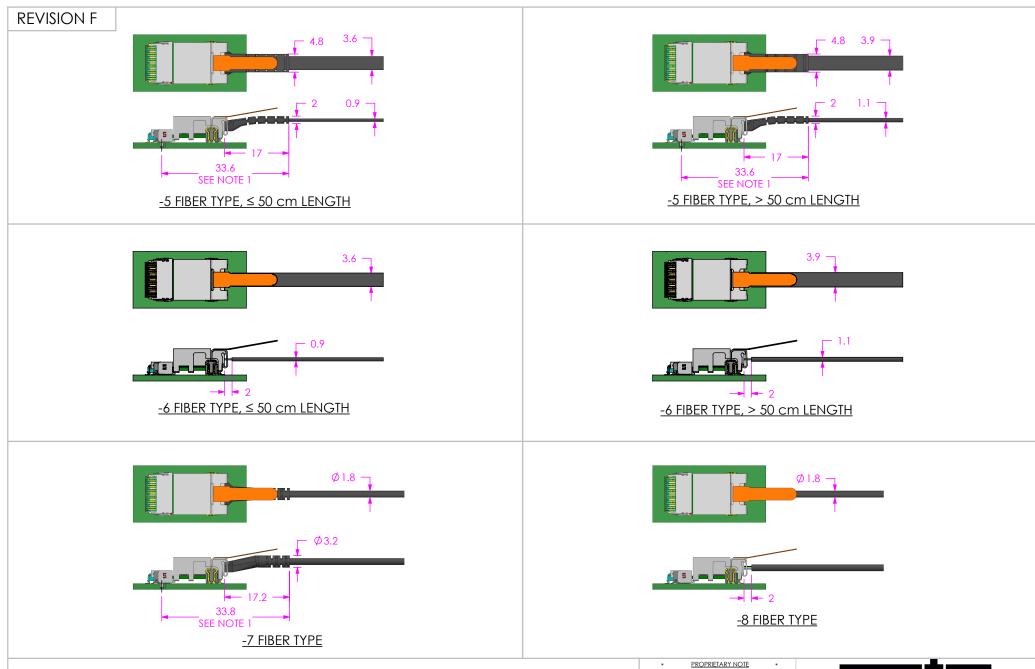
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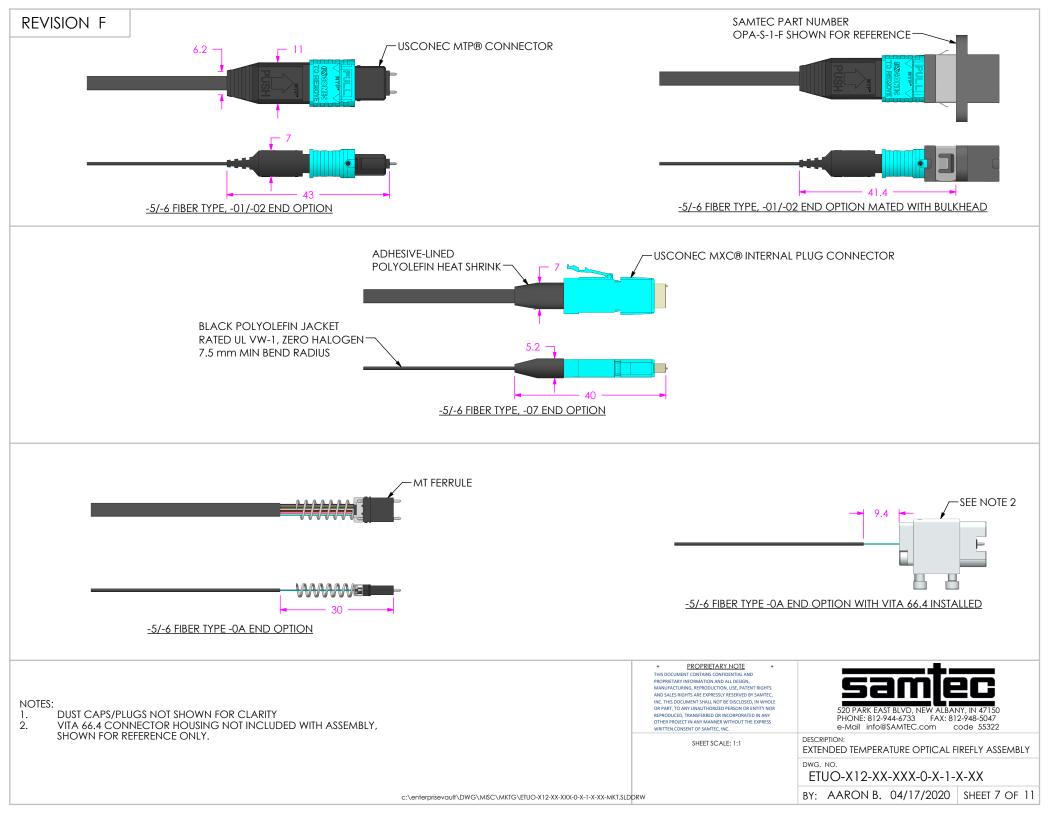
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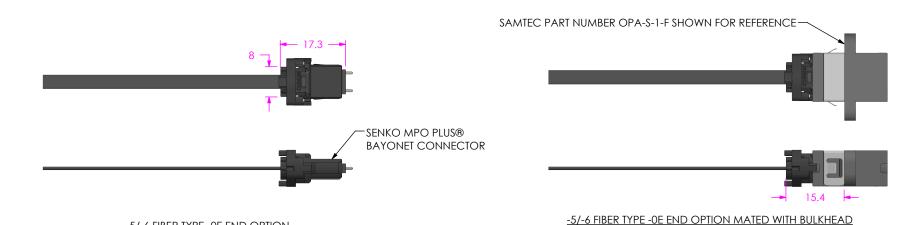
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BY: AARON B. 04/17/2020 SHEET 6 OF 11



REVISION F PANEL WALL SEE NOTE 1 19.6[.770] Ø10.6 -Ø21 [.825] -5/-6 FIBER TYPE -OC END OPTION -OC END OPTION RECOMMENDED PANEL CUTOUT mm[in]



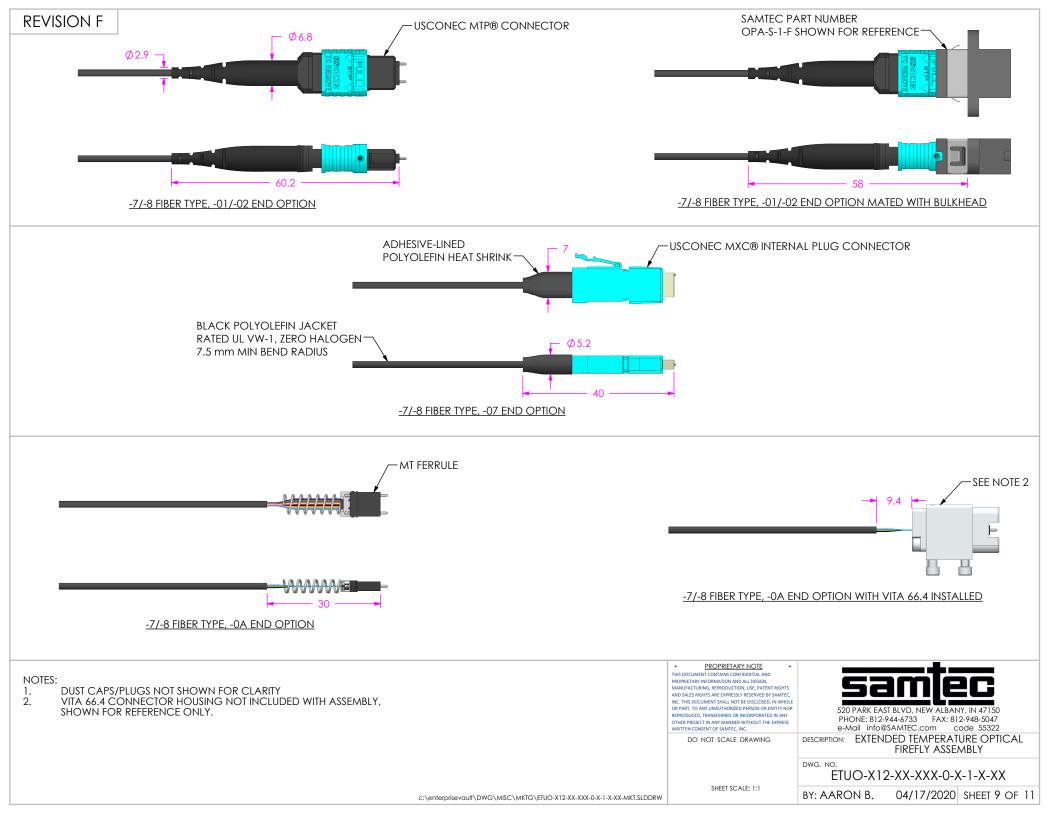
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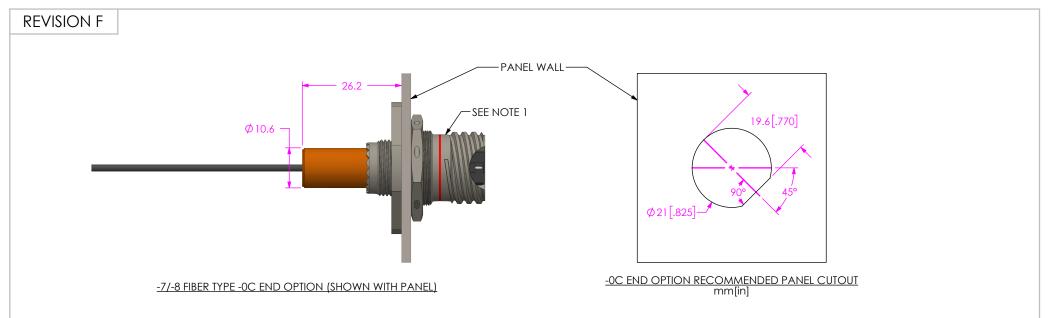
AMPHENOL PART NUMBER CF-594711-01S. DIMENSIONS GIVEN FOR REFERENCE ONLY

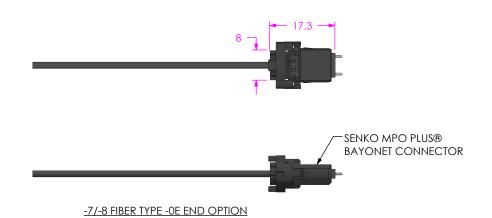
-5/-6 FIBER TYPE -0E END OPTION

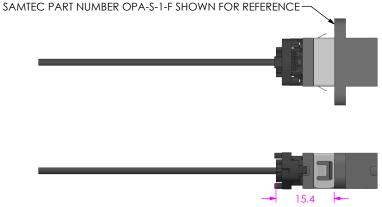
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PROPRIETARY NOTE









-7/-8 FIBER TYPE -0E END OPTION MATED WITH BULKHEAD

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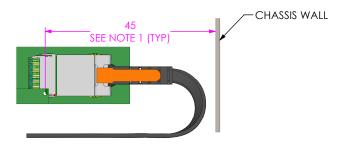
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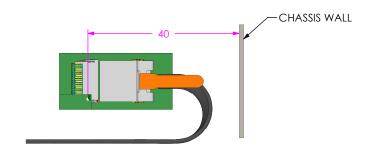
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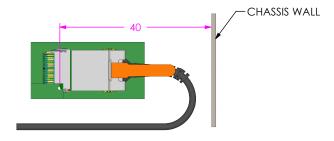
04/17/2020 SHEET 100F 11



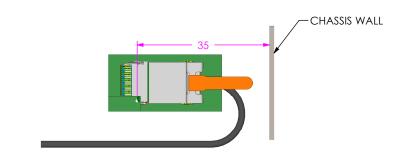
-5 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE



-6 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE



-7 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE



-8 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE

NOTES:

- 1. DIMENSIONED FROM THE CENTER OF THE ALIGNMENT PIN HOLE AS SHOWN ON THE UEC5/UCC8 CONNECTOR FOOTPRINT
- 2. DUE TO THE COMPLIANT NATURE OF FIBER CABLE AND THE MOLDED FIBER BOOT COMPONENTS, THE DIMENSIONS SHOWN ON THIS SHEET ARE FOR GUIDANCE ONLY. EACH APPLICATION IS UNIQUE AND MAY RESULT IN UNIQUE CLEARENCE DIMENSIONS FOR THE CABLE ESCAPE.

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DESCRIPTION:

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