

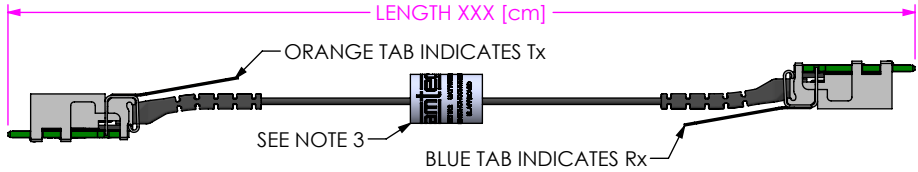


DO NOT
SCALE FROM
THIS PRINT

ASSEMBLY LENGTH LIMITS [cm]		
FIBER TYPE	MIN	MAX
-5	10	100
-6	8	100
-7	10	300
-8	8	300

TABLE 2: LENGTH TOLERANCE	
ASSEMBLY LENGTH [cm]	TOLERANCE [cm]*
000-016	±0.16
017-999	±1%

* ROUNDED UP TO 2 DECIMAL PLACES



ETUO-U12-XX-XXX-0-1-1-5 SHOWN



ETUO-U12-XX-XXX-0-1-1-6 SHOWN



ETUO-U12-XX-XXX-0-1-1-7 SHOWN



ETUO-U12-XX-XXX-0-1-1-8 SHOWN

- NOTES:
- PASS THROUGH ALLOWS ONE JACKETED RIBBON (FIBER TYPE -5/-6) OF CABLE LENGTH MAX 50cm TO PASS ABOVE HEAT SINK AND UNDER COLD PLATE.
 - GROOVE ALLOWS ONE JACKETED RIBBON (FIBER TYPE -5/-6) OF CABLE LENGTH MAX 50 CM OR TWO CABLES OF JACKETED LOOSE TUBE (FIBER TYPE -7/-8) TO PASS ABOVE HEAT SINK AND UNDER COLD PLATE.
 - ALL CABLES WITH A LENGTH GREATER THAN 50 cm ARE LABELED. LABEL TO CONTAIN PART NUMBER AND SERIAL NUMBER INFORMATION.
 - YELLOW LATCH PINS NOT SHOWN FOR CLARITY. SEE FIREFLY INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
 - DIMENSIONED FROM THE CENTER OF THE ALIGNMENT PIN HOLE AS SHOWN ON THE UEC5/UCC8 CONNECTOR FOOTPRINT.
 - DUE TO THE COMPLIANT NATURE OF FIBER CABLE AND THE MOLDED FIBER BOOT COMPONENTS, THE DIMENSIONS SHOWN ARE FOR GUIDANCE ONLY. EACH APPLICATION IS UNIQUE AND MAY RESULT IN UNIQUE CLEARANCE DIMENSIONS FOR THE CABLE ESCAPE.

ETUO-U12-XX-XXX-0-X-1-X

DATA RATE
-10: 10.3125 Gbps
-12: 12.5 Gbps

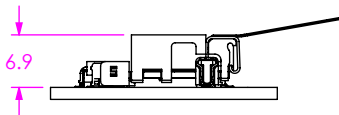
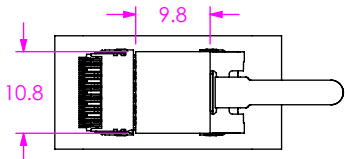
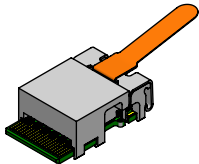
FIBER TYPE
-5: BLACK JACKETED RIBBON WITH BOOT
-6: BLACK JACKETED RIBBON
-7: BLACK LOOSE TUBE WITH BOOT
-8: BLACK LOOSE TUBE

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

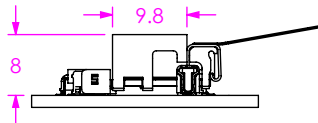
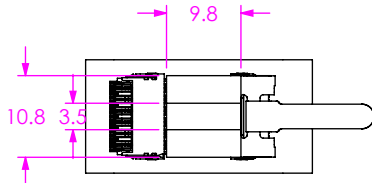
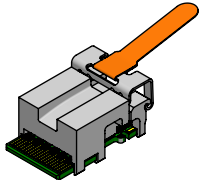
HEAT SINK
-1: FLAT
-2: PIN FIN
-3: FLAT WITH GROOVE (SEE NOTE 1)
-4: PCIe® PIN FIN

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DO NOT SCALE DRAWING SHEET SCALE: 1:1	DESCRIPTION: OPTICAL FIREFLY ASSEMBLY
DWG. NO. ETUO-U12-XX-XXX-0-X-1-X	
BY: AARON B.	8/19/2020
SHEET 1 OF 4	

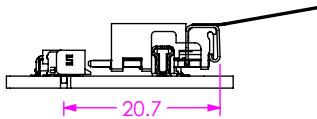
520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322	
DWG. NO. ETUO-U12-XX-XXX-0-X-1-X	
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SHEET 1 OF 4	



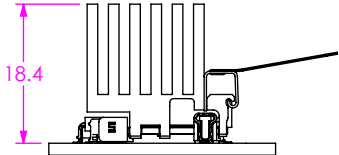
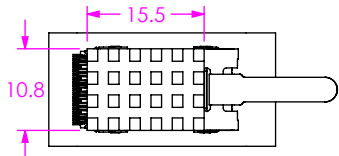
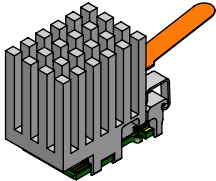
-1 FLAT HEAT SINK



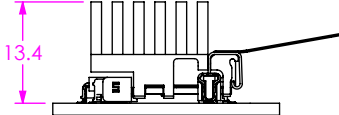
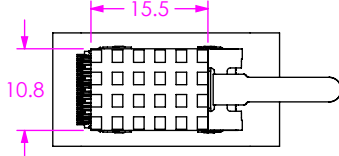
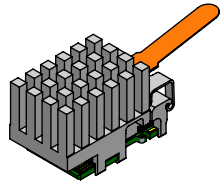
-3 FLAT HEAT SINK WITH PASS THROUGH



KEEP OUT AREA FOR DE-MATING
TYPICAL FOR HEAT SINKS -1/-2/-3/-4
REFER TO UEC5 FOOTPRINT DRAWING
FOR DETAILED KEEPOUT AREAS



-2 PIN-FIN HEAT SINK



-4 LOW-PROFILE PIN-FIN HEAT SINK

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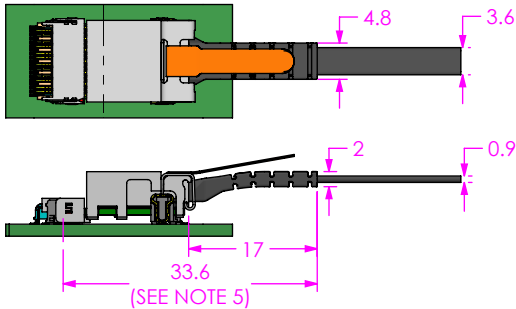


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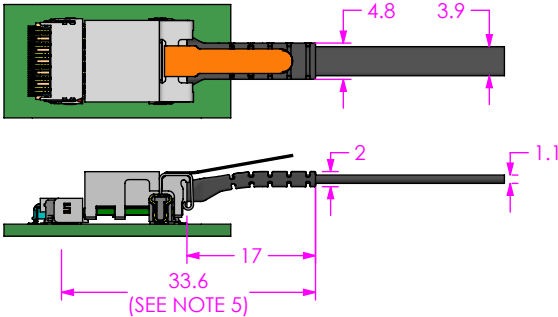
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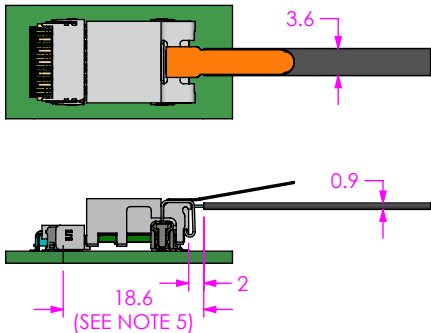
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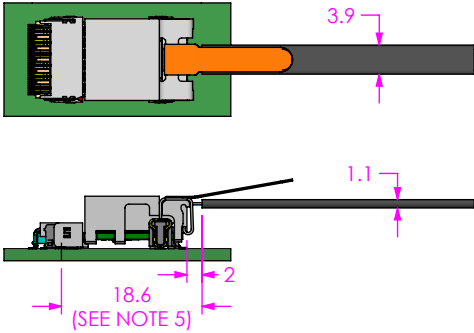
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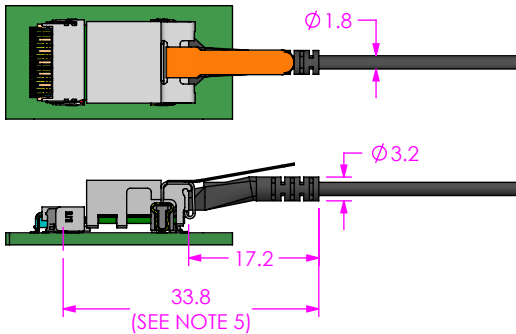
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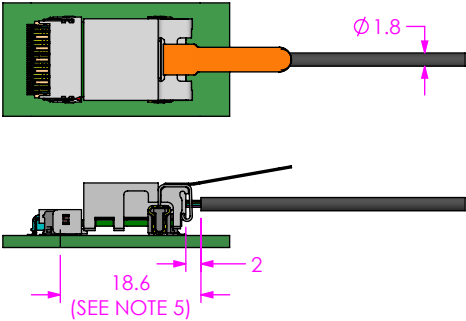
-6 FIBER TYPE, ≤ 50 cm LENGTH



-6 FIBER TYPE, > 50 cm LENGTH



-7 FIBER TYPE



-8 FIBER TYPE

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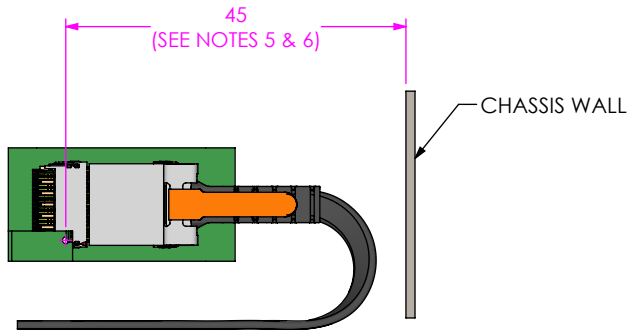
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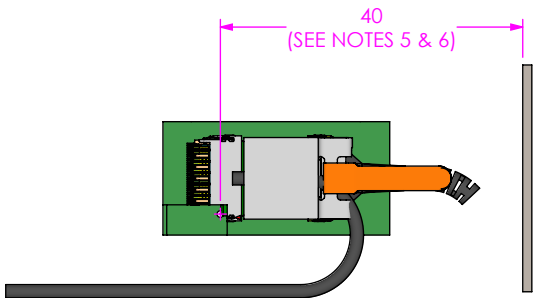
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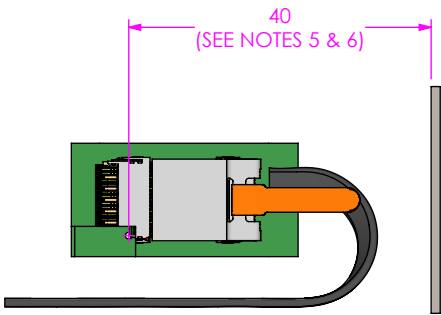
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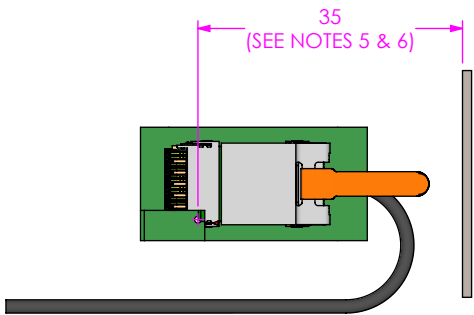
-5 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE



-7 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE



-6 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE



-8 FIBER TYPE RECOMMENDED CABLE ESCAPE CLEARANCE

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