

ESD SENSITIVE

DESIGNED AND DIMENSIONED IN MILLIMETERS
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

TABLE 1: PCUO-04 ASSEMBLY LENTH LIMITS [cm]				
	FIBER TYPE	MIN	MAX	
		END OPTION	HEAT SINK	
		-01	-1	-4
	-7	11	300	300
	-8	9	300	300

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

TABLE 1: PCUO-08 ASSEMBLY LENTH LIMITS [cm]				
	FIBER TYPE	MIN	MAX	
		END OPTION	HEAT SINK	
		-01	-1	-4
	-7	13	300	300
	-8	11	300	300

PCUO-XX-G4-XXX-0-X-X-X-XX

WIDTH
-04: x4 LANES
-08: x8 LANES

SPEED
-G4: GEN 4

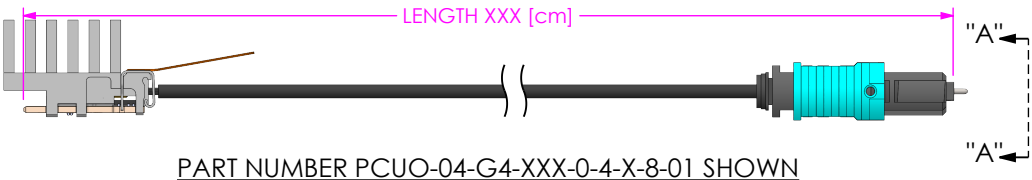
ASSEMBLY LENGTH [cm]
-XXX: LENGTH (SEE TABLES 1, 2)

END OPTION
-01: MTP® 12F MALE
-21: MTP® 24F MALE

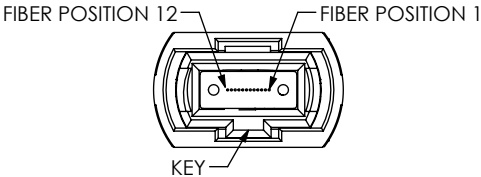
FIBER TYPE
-7: BLACK LOOSE TUBE WITH BOOT
-8: BLACK LOOSE TUBE

FIRMWARE
-1: STANDARD

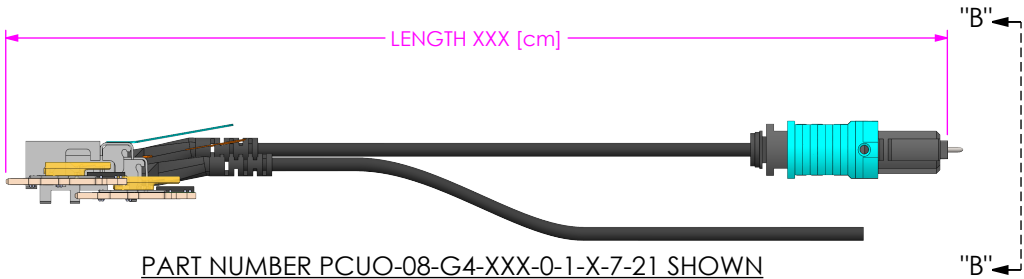
HEAT SINK
-1: FLAT
-4: PCIe® PIN FIN



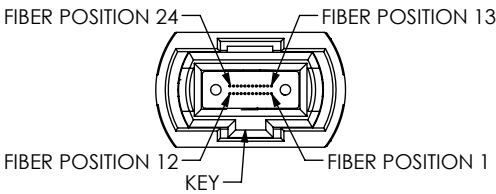
PART NUMBER PCUO-04-G4-XXX-0-4-X-8-01 SHOWN



VIEW "A"- "A"



PART NUMBER PCUO-08-G4-XXX-0-1-X-7-21 SHOWN



VIEW "B"- "B"

- NOTES:
- 1. FIREFLY MUST BE INSTALLED IN A NO-TENSION STATE FREE FROM DYNAMIC FLEXING
 - 2. ALL MTP® ARE INTERMATABLE WITH CONNECTORS ADHERING TO TIA-604-5
 - 3. DUST CAPS REMOVED FROM ALL VIEWS FOR CLARITY
 - 4. YELLOW LATCH PINS NOT SHOWN FOR CLARITY. SEE FIREFLY INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
 - 5. DIMENSIONED FROM THE CENTER OF THE ALIGNMENT PIN HOLE AS SHOWN ON THE UEC5/UCC8 CONNECTOR FOOTPRINT
 - 6. 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 CLEARANCE DIMENSIONS FOR THE CABLE ESCAPE.

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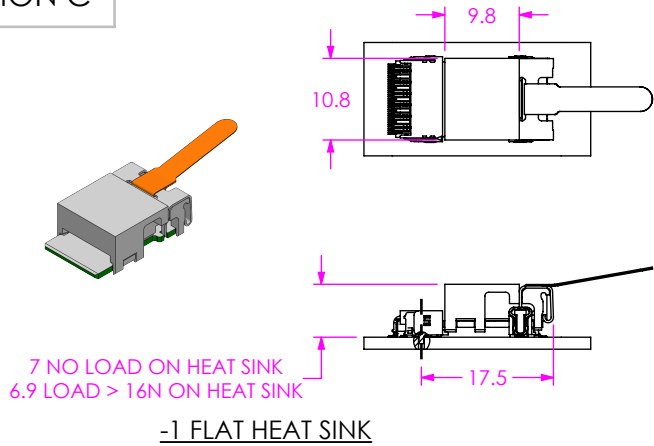
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING
SHEET SCALE: 1:1

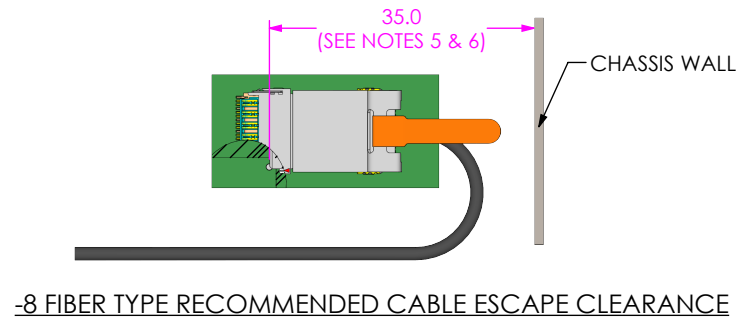
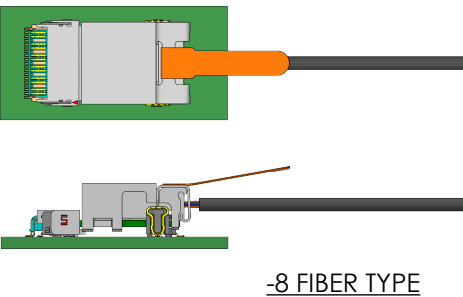
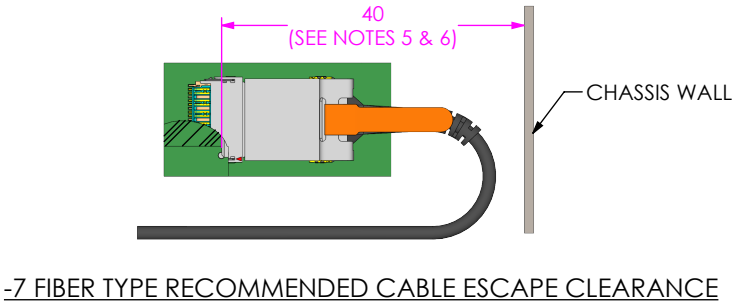
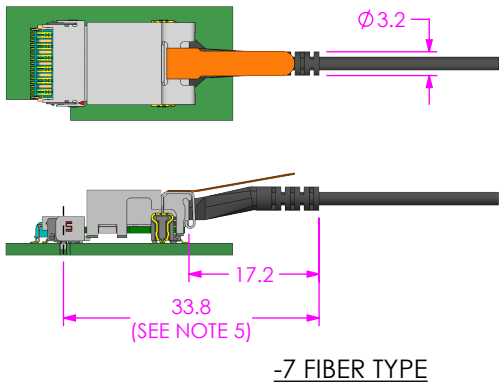
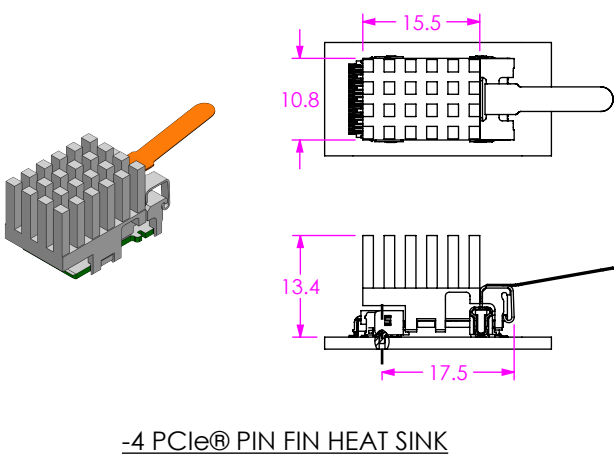
DESCRIPTION:
OPTICAL FIREFLY ASSEMBLY

DWG. NO.
PCUO-XX-G4-XXX-0-X-X-X-XX

BY: JOSUE C. 01/08/2021 SHEET 1 OF 3



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



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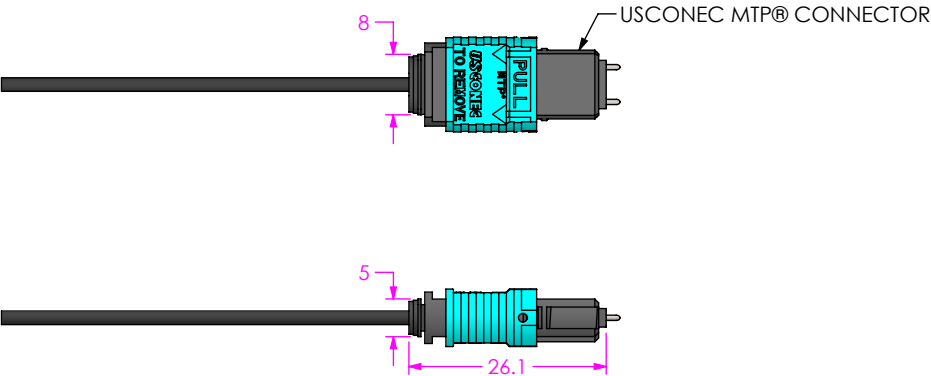
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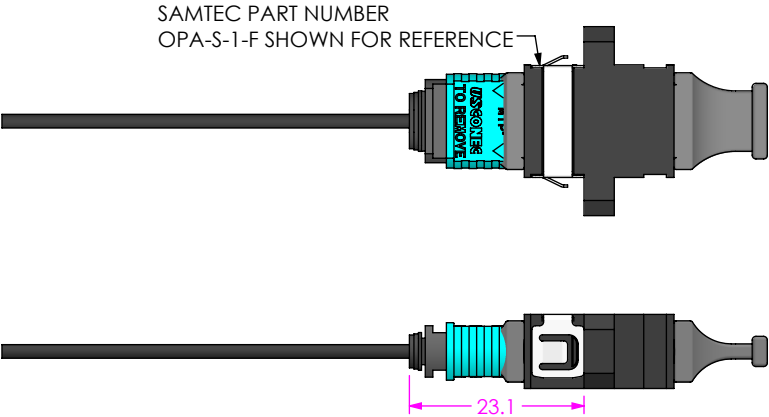
DESCRIPTION:
OPTICAL FIREFLY ASSEMBLY

DWG. NO.
PCUO-XX-G4-XXX-0-X-X-X-XX

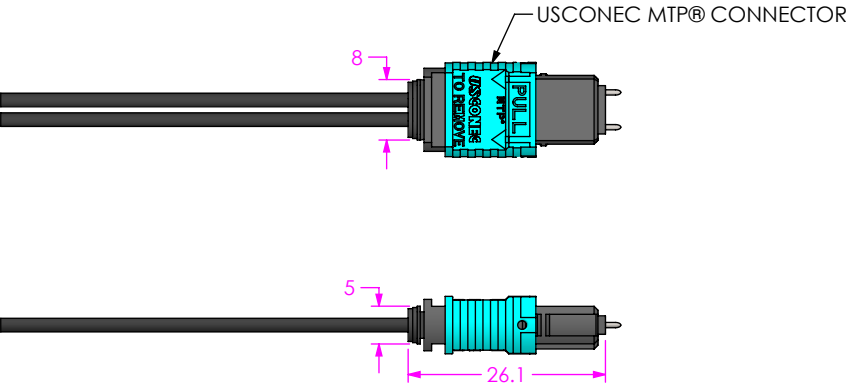
BY: JOSUE C. 01/08/2021 SHEET 2 OF 3



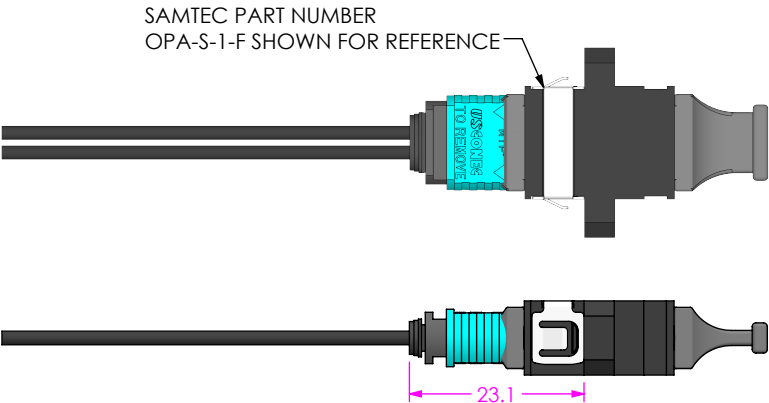
PCUO-04, -7/-8 FIBER TYPES, -01 END OPTION



PCUO-04, -7/-8 FIBER TYPES, -01 END OPTION MATED WITH BULKHEAD



PCUO-08, -7/-8 FIBER TYPES, -21 END OPTION



PCUO-08, -7/-8 FIBER TYPES, -21 END OPTION MATED WITH BULKHEAD

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DESCRIPTION: OPTICAL FIREFLY ASSEMBLY

DWG. NO. PCUO-XX-G4-XXX-0-X-X-X-XX

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