

DO NOT
SCALE FROM
THIS PRINT

TABLE 1: ASSEMBLY LENGTH LIMITS (cm)									
FIBER TYPE	MIN				MAX				
	END OPTION				HEAT SINK				
	-21	-22	-2A	-2C	-1	-2	-3	-4	
-7	13	13	13	15	300	300	300	300	
-8	11	11	11	13	300	300	300	300	

TABLE 2: LENGTH TOLERANCE	
ASSEMBLY LENGTH (cm)	TOLERANCE (cm)
000-016	±0.16
017-300	±1%

PTUO-08-G3-XXX-0-X-1-X-XX

WIDTH

-08: x8 LANES

DATA RATE

-G3: Gen3

ASSEMBLY LENGTH (cm)

-XXX: LENGTH (SEE TABLES 1,2)

END 2 OPTION

- 21: MTP® 24F MALE (SEE NOTE 4)
- 22: MTP® 24F FEMALE (SEE NOTE 4)
- 2A: VITA 66.1/66.4 READY (SEE NOTE 7)
- 2C: MT38999 MALE (SEE NOTE 8)

FIBER TYPE

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

HEAT SINK

- 1: FLAT
- 2: PIN FIN
- 3: FLAT WITH GROOVE (SEE NOTE 2)
- 4: PCIe® PIN FIN (SEE NOTE 11)

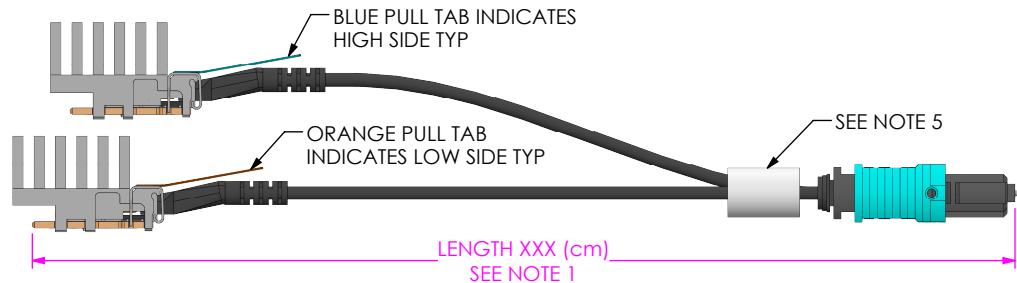


FIG 1
PTUO-08-G3-XXX-0-4-1-7-21 SHOWN

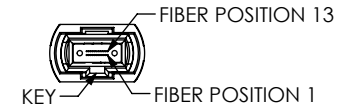
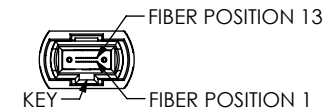


FIG 2
PTUO-08-G3-XXX-0-4-1-7-22 SHOWN



NOTES:

1. CABLE LENGTH MEASURED FROM TIP OF PCB TO MT FERRULE FACE WHEN CABLE PULLED TAUGHT
2. GROOVE ALLOWS UP TO TWO ROUND JACKETED LOOSE TUBE CABLES TO PASS ABOVE HEAT SINK AND UNDER COLD PLATE
3. FIREFLY MUST BE INSTALLED IN A NO-TENSION STATE FREE FROM DYNAMIC FLEXING
4. ALL MTP® ARE INTERMATEABLE WITH CONNECTORS ADHERING TO TIA-604-5
5. ALL CABLES WITH A LENGTH GREATER THAN 50 cm ARE LABELLED. LABEL CONTAINS PART NUMBER AND SERIAL NUMBER INFORMATION.
6. DUST CAPS REMOVED FROM ALL VIEWS FOR CLARITY
7. FOR USE WITH TE VITA 66.1 (2000974-1) AND VITA 66.4 (2226881-1) DAUGHTER CARD PART NUMBERS
8. ASSEMBLIES SHIPPED WITH AMPHENOL PART NUMBER CF-594711-01S INSTALLED
9. DIMENSIONED FROM THE CENTER OF THE ALIGNMENT PIN HOLE AS SHOWN ON THE UEC5/UCC8 CONNECTOR FOOTPRINT
10. DUE TO THE COMPLIANT NATURE OF FIBER CABLE AND THE FIBER BOOT COMPONENT, THE DIMENSIONS SHOWN ARE FOR GUIDANCE ONLY. EACH APPLICATION IS UNIQUE AND MAY RESULT IN UNIQUE CLEARANCE DIMENSIONS FOR THE CABLE ESCAPE.
11. MATED HEIGHT OF THE PCIe PIN FIN HEAT SINK COMPLIES WITH THE MAX HEIGHT ALLOWED FOR A SINGLE SLOT PCI EXPRESS ADD-IN CARD.

c:\enterprisevault\DWG\MISC\MKTG\PTUO-08-G3-XXX-0-X-1-X-XX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.		* PROPRIETARY NOTE *		 520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322
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DECIMALS	ANGLES	DO NOT SCALE DRAWING		
X.X: ±0.3 [.01]	2 °	SHEET SCALE: 1:1		DESCRIPTION: PTUO OPTICAL CABLE ASSEMBLY
X.XX: ±0.13 [.005]				DWG. NO. PTUO-08-G3-XXX-0-X-1-X-XX
X.XXX: ±0.051 [.0020]				BY: A BAUMER 8/9/2022
				SHEET 1 OF 6



FIG 3
PTUO-08-G3-XXX-0-4-1-7-2A SHOWN

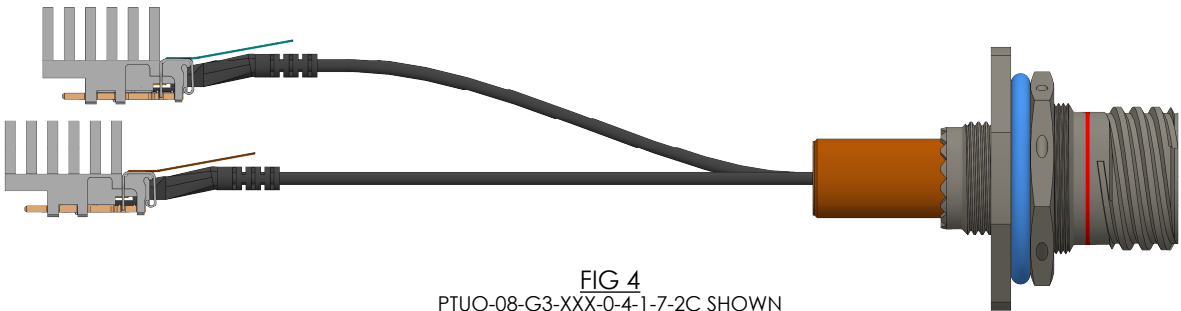
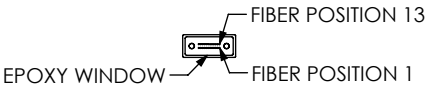


FIG 4
PTUO-08-G3-XXX-0-4-1-7-2C SHOWN

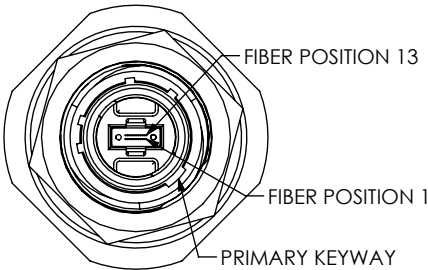
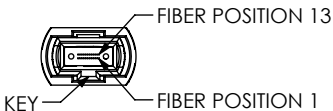


FIG 5
PTUO-08-G3-XXX-0-4-1-8-21 SHOWN



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SHEET SCALE: 1:1

samtec

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

DESCRIPTION:
PTUO OPTICAL CABLE ASSEMBLY

DWG. NO.
PTUO-08-G3-XXX-0-X-1-X-XX

BY: A BAUMER 8/9/2022 SHEET 2 OF 6

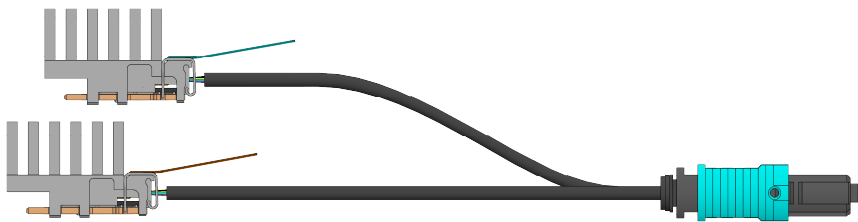


FIG 6
PTUO-08-G3-XXX-0-4-1-8-22 SHOWN

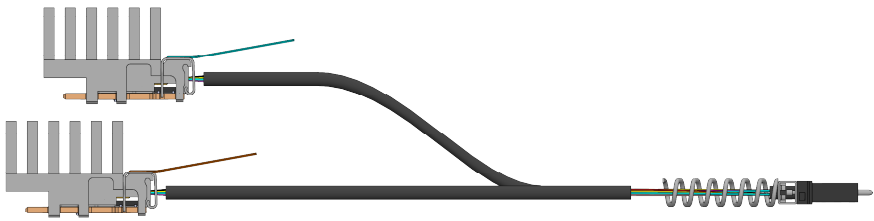
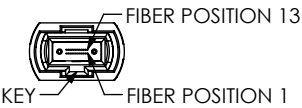


FIG 7
PTUO-08-G3-XXX-0-4-1-8-2A SHOWN

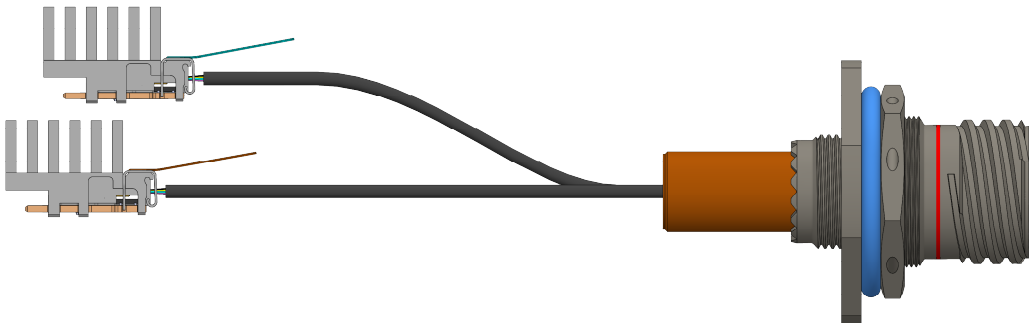
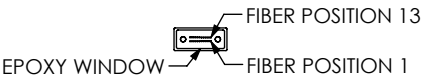
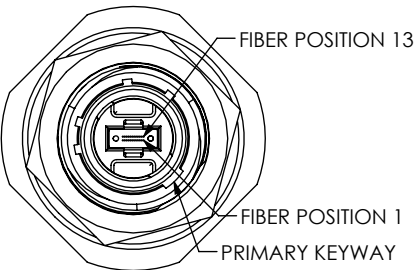


FIG 8
PTUO-08-G3-XXX-0-4-1-8-2C SHOWN



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BY: A BAUMER 8/9/2022 SHEET 3 OF 6

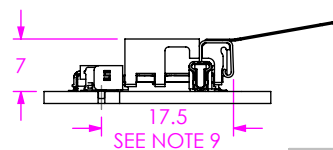
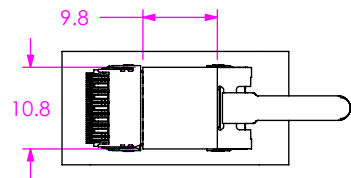
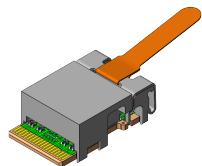


FIG 9
-1 HEAT SINK OPTION SHOWN

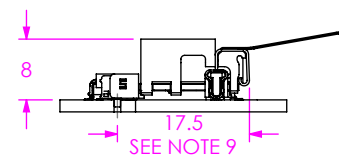
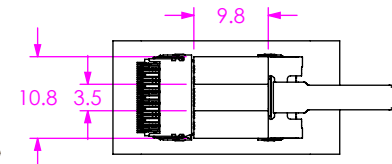
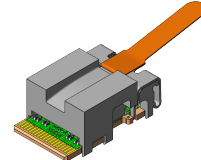


FIG 11
-3 HEAT SINK OPTION SHOWN

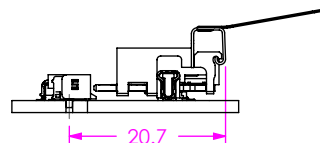


FIG 13
KEEP OUT FOR HEAT SINKS -1/-2/-3/-4
REFER TO UEC5 FOOTPRINT DRAWING
FOR DETAILED KEEP OUT AREAS

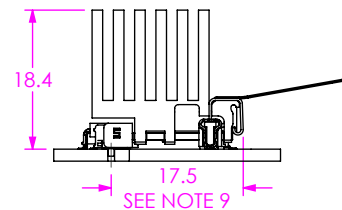
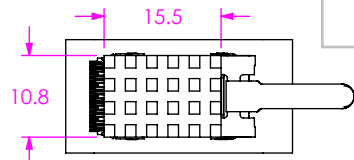
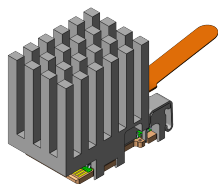


FIG 10
-2 HEAT SINK OPTION SHOWN

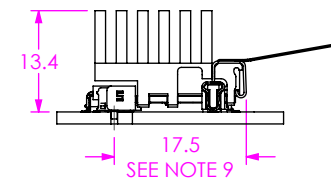
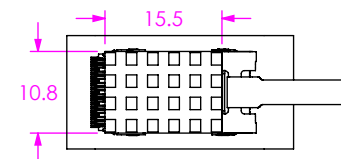
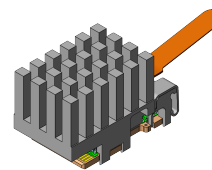


FIG 12
-4 HEAT SINK OPTION SHOWN

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SHEET SCALE: 1:1



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DWG. NO.
PTUO-08-G3-XXX-0-X-1-X-XX

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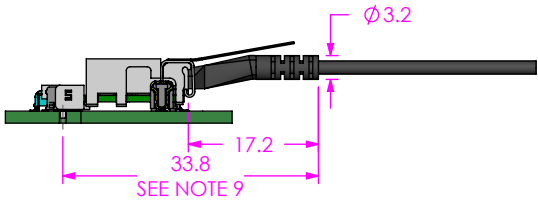
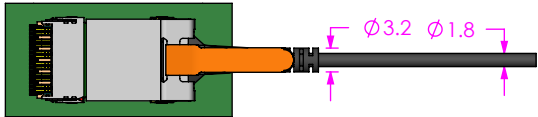


FIG 14
-7 FIBER TYPE OPTION DETAIL

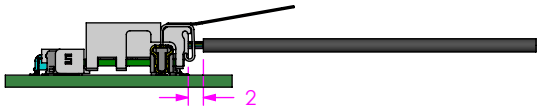
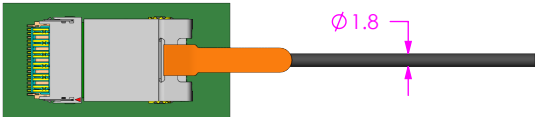


FIG 15
-8 FIBER TYPE OPTION DETAIL

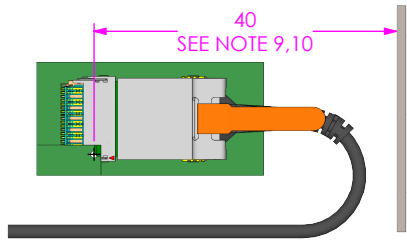


FIG 16
-7 FIBER TYPE OPTION CABLE ESCAPE DETAIL

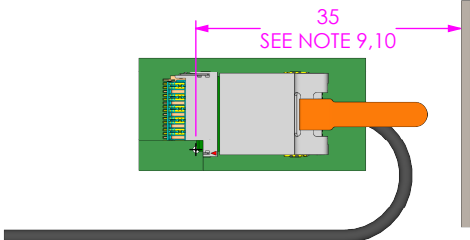


FIG 17
-8 FIBER TYPE OPTION CABLE ESCAPE DETAIL

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	DESCRIPTION: PTUO OPTICAL CABLE ASSEMBLY
	DWG. NO. PTUO-08-G3-XXX-0-X-1-X-XX
	BY: A BAUMER 8/9/2022 SHEET 5 OF 6

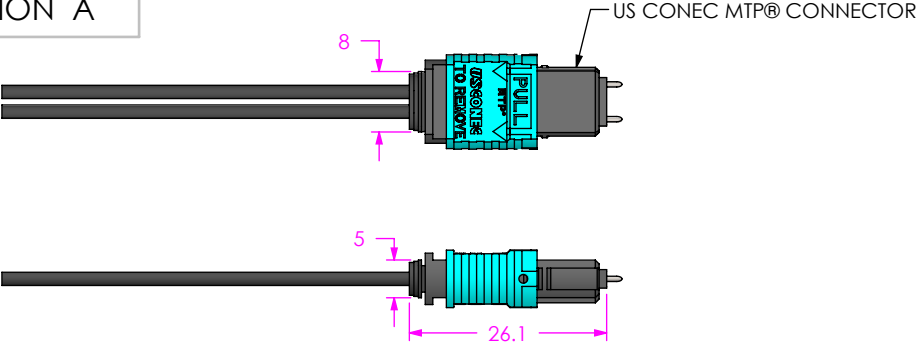


FIG 18
-21/-22 END 2 OPTION DETAIL

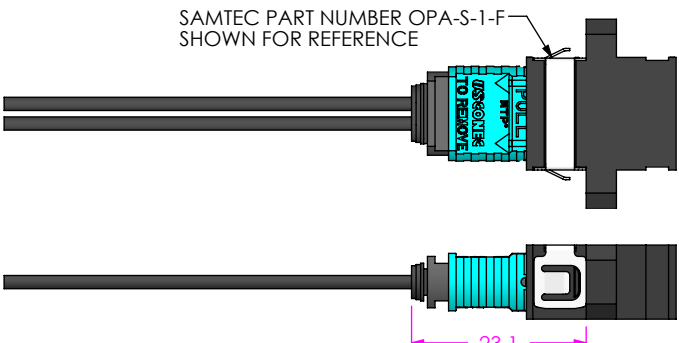


FIG 19
-21/-22 END 2 OPTION MATED BULKHEAD DETAIL

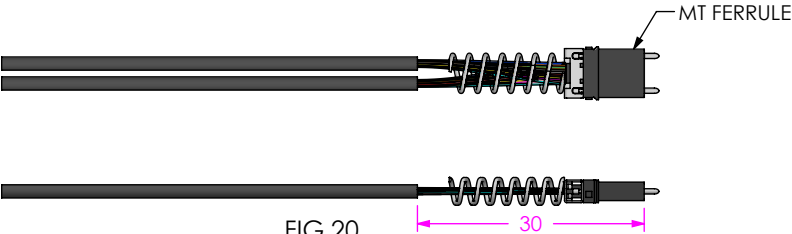


FIG 20
-2A END 2 OPTION DETAIL

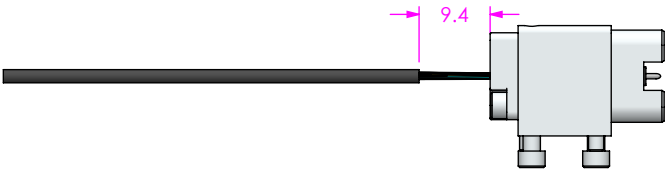


FIG 21
-2A END 2 OPTION INSTALLED IN CONNECTOR HOUSING DETAIL
(CONNECTOR HOUSING NOT INCLUDED, SHOW FOR REFERENCE ONLY)

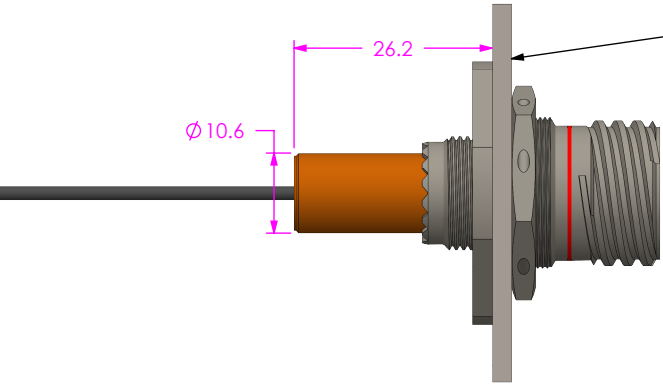


FIG 22
-2D END 2 OPTION DETAIL

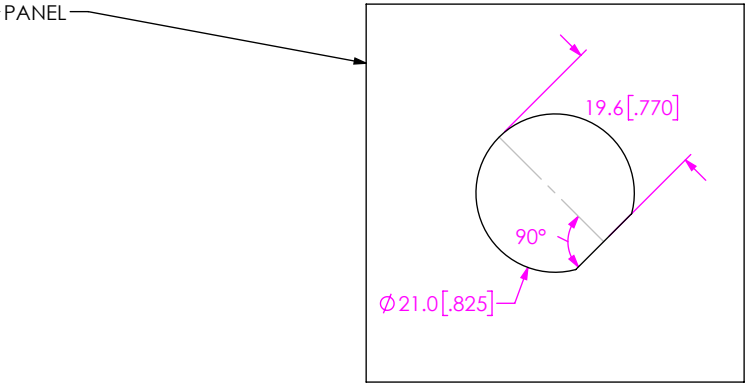


FIG 23
-2D END 2 OPTION RECOMMENDED PANEL CUTOUT mm [in]

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SHEET SCALE: 1:1

samtec

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PTUO-08-G3-XXX-0-X-1-X-XX

BY: A BAUMER 8/9/2022 SHEET 6 OF 6