REVISION E

DO NOT

SCALE FROM

THIS PRINT



PATENTED, ADDITIONAL **PATENTS PENDING**

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

—16.90[.665] REF

A19

9.93 .391

FCUO-XXX-XX-XXX-0-X-1-X-XX

-T12: x12 Tx ONLY -R12: x12 Rx ONLY -U12: FULL ACTIVE OPTICAL CABLE -Y12: Y CONFIGURATION *-B04: x4 BIDIRECTIONAL **DATA RATE** -14: 14 Gbps *-28: 28 Gbps ASSEMBLY LENGTH

HEAT SINK

-1: FLAT -2: PIN-FIN (-14 DATA RATE ONLY)

1. BLUE

12. AQUA

-XXX: LENGTH (cm)

-3: FLAT WITH 3-RIBBON PASS THROUGH

**END OPTIONS

-01: MTP 12F KEY DOWN MALE -02: MTP 12F KEY DOWN FEMALE

-03: MPO 12F KEY DOWN MALE -04: MPO 12F KEY DOWN FEMALE

-05: MT 12F MALE

-06: MT 12F FEMALE *-07: PRIZM MT 12F

-21: MTP 24F KEY DOWN MALE -22: MTP 24F KEY DOWN FEMALE

-23: MPO 24F KEY DOWN MALE -24: MPO 24F KEY DOWN FEMALE

-25: MT 24F MALE -26: MT 24F FEMALE

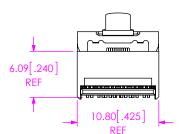
*-27: PRIZM MT 24F FIBER TYPE

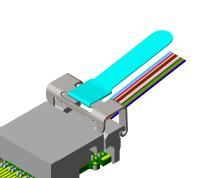
-1: LOW BEND RADIUS RIBBON

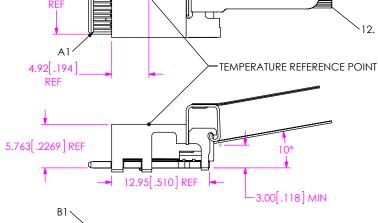
-2: LOW BEND RADIUS LOOSE TUBE

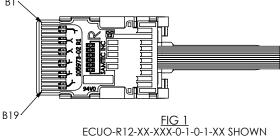
*IN DESIGN

**LEAVE BLANK FOR U12 TYPE









FLAT HEAT SINK UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

MATERIAL:

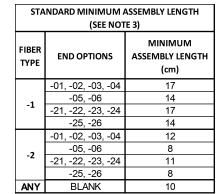
TOLERANCES ARE: DECIMALS **ANGLES** X.X: ±0.3 [.01] X.XX: ±0.13 [.005] X.XXX: ±0.051 [.0020]

DO NOT SCALE DRAWING

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PROPRIETARY NOTE

SHEET SCALE: 2:1



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

DESCRIPTION

OPTICAL FIREFLY ASSEMBLY

DWG. NO

ECUO-XXX-XX-XXX-0-X-X-XX

BY: JEAN W. 02/28/2013 | SHEET 1 OF 8

1. INTEGRITY OF ACRYLATE COATING OF FIBER RIBBON NOT GUARANTEED UNDER 30 mm

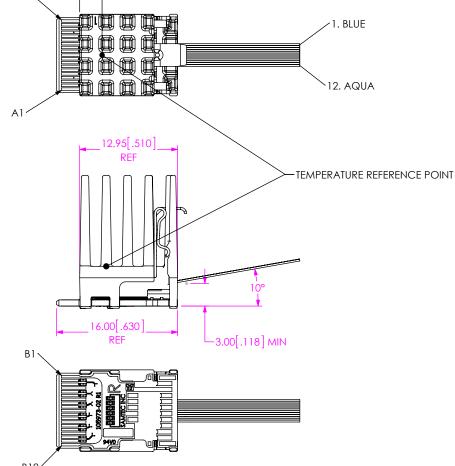
BEND RADIUS. OPTICAL PERFORMANCE AND INTEGRITY OF OPTICAL FIBERS GUARANTEED DOWN TO 7.5 mm BEND RADIUS.

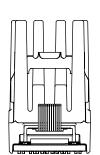
2. CONTACT SAMTEC FOR SHORTER CUSTOM LENGTHS.

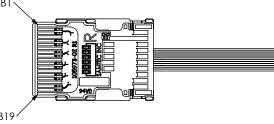
F:\DWG\MISC\MKTG\ECUO-XXX-XX-XXX-0-X-X-X-XX-MKT.SLDDRW

REF

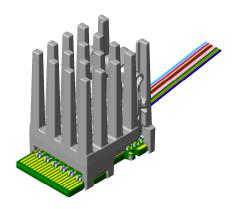
A19:







2.96[.117]



17.59 .693

FIG 2 ECUO-R12-XX-XXX-0-2-0-1-XX SHOWN PIN-FIN HEAT SINK

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SHEET SCALE: 1:2



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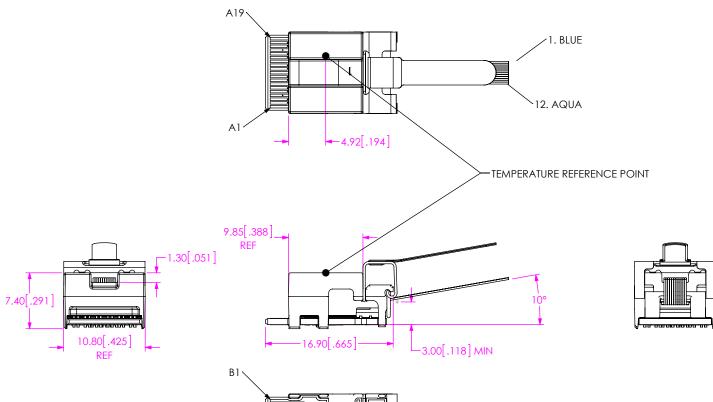
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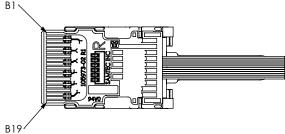
OPTICAL FIREFLY ASSEMBLY

ECUO-XXX-XX-XXX-0-X-X-XX

BY: JEAN W. 02/28/2013 SHEET 2 OF 8

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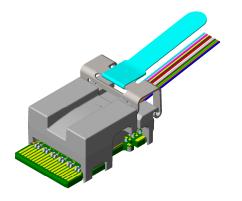


FIG 3 ECUO-R12-XX-XXX-0-3-0-1-XX SHOWN FLAT HEAT SINK WITH 3-RIBBON PASS THROUGH

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SHEET SCALE: 1:2

DESCRIPTION:

OPTICAL FIREFLY ASSEMBLY

VG. NO.

ECUO-XXX-XX-XXX-0-X-X-XX

BY: JEAN W. 02/28/2013 SHEET 3 OF 8

F:\DWG\MISC\MKTG\ECUO-XXX-XXX-VXX-0-X-X-XX-MKT.SLDDRW

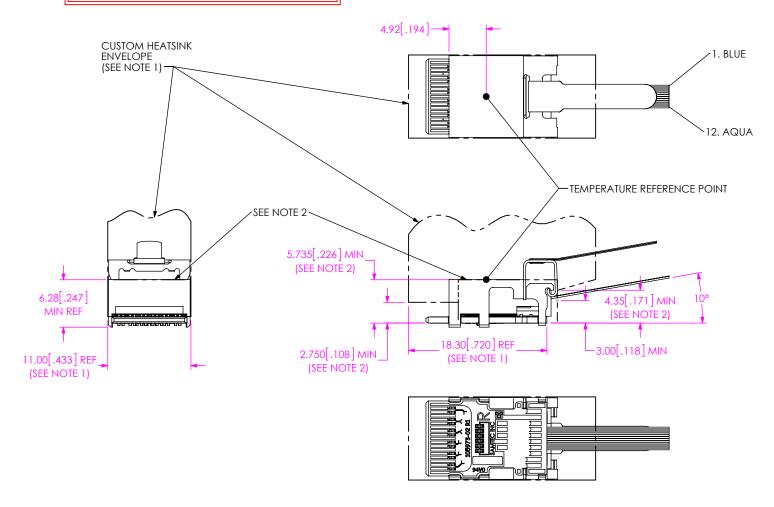


FIG4 ECUO-R12-XX-XXX-0-X-0-1-XX SHOWN CUSTOM HEAT SINK

NOTES

- 1. ENVELOPE SHOWN TO FIT WITHIN CONNECTOR FOOTPRINT. LARGER CUSTOM HEATSINK POSSIBLE.
- 2. ABSOLUTE MINIMUM
- 3. LATCHING MECHANISM TBD

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SHEET SCALE: 2:1

DESCRIPTION:

OPTICAL FIREFLY ASSEMBLY

VG. NO.

ECUO-XXX-XX-XXX-0-X-X-XX

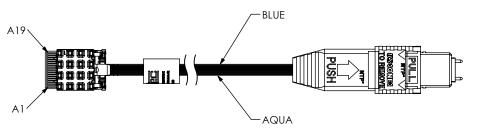
BY: JEAN W. 02/28/2013 SHEET 4 OF 8

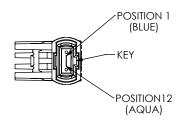
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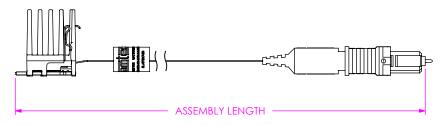




ECUO - MTP (KEY DOWN) SHOWN

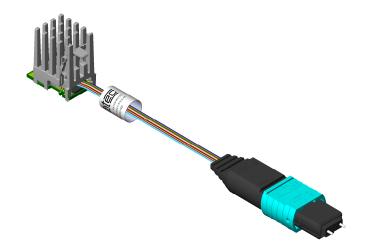






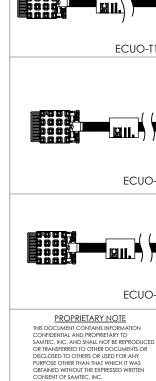


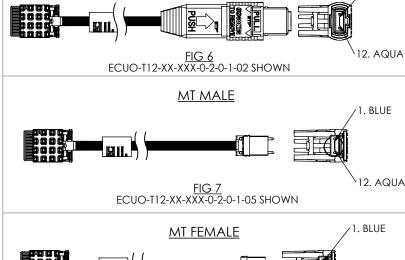
<u>FIG 5</u> ECUO-R12-XX-XXX-0-2-0-1-01 SHOWN



NOTES:

1. LABELS PRESENT ONLY ON PARTS WITH ASSEMBLY LENGTH GREATER THAN 50cm





MTP FEMALE

1. BLUE

12. AQUA

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SHEET SCALE: 1:1

DESCRIPTION:

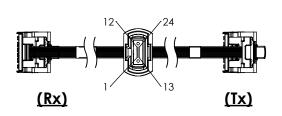
<u>FIG 8</u> ECUO-T12-XX-XXX-0-2-0-1-06 SHOWN

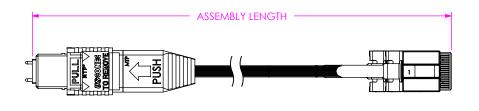
OPTICAL FIREFLY ASSEMBLY

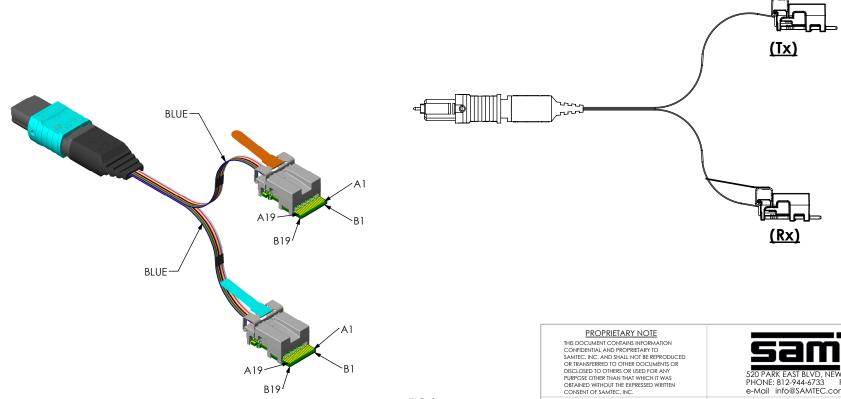
ECUO-XXX-XX-XXX-0-X-X-XX

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<u>FIG 9</u> ECUO-Y12-XX-XXX-0-3-0-1-21 SHOWN

SHEET SCALE: 2:1

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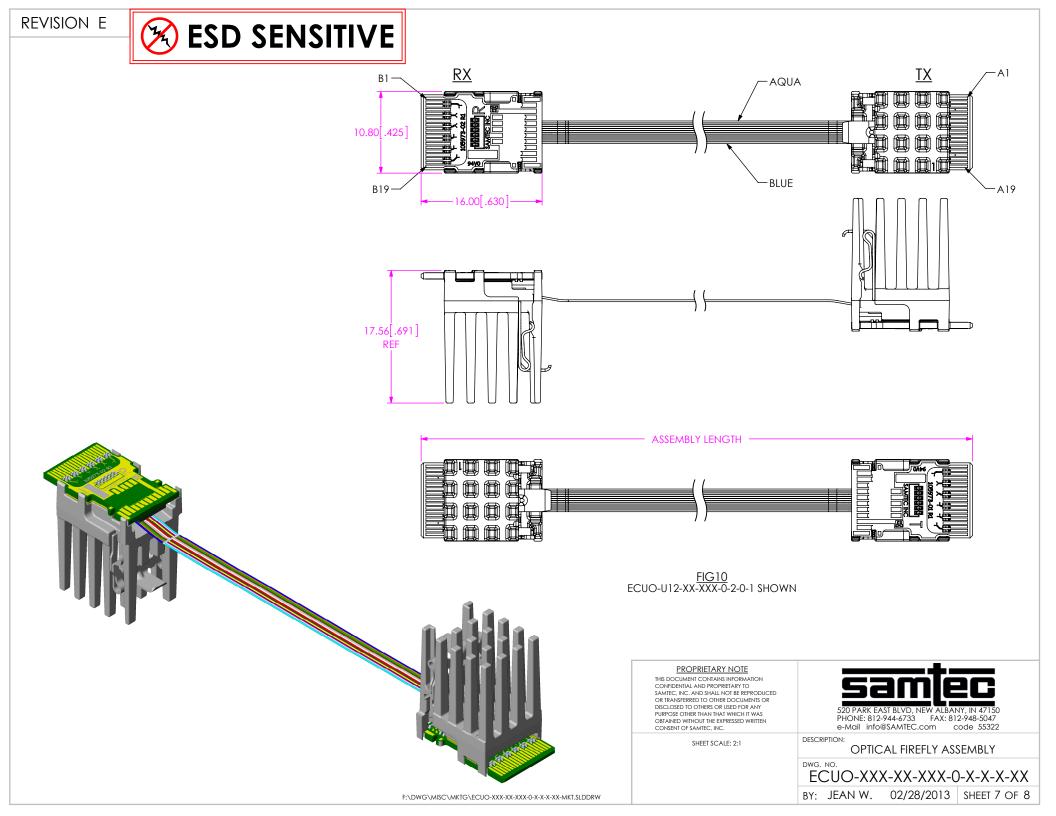
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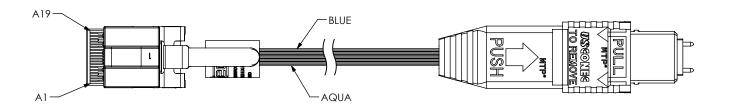
OPTICAL FIREFLY ASSEMBLY

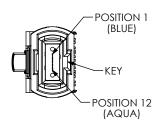
ECUO-XXX-XX-XXX-0-X-X-XX

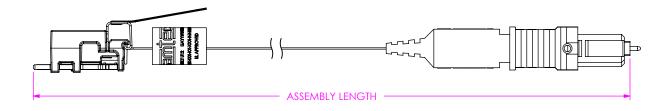
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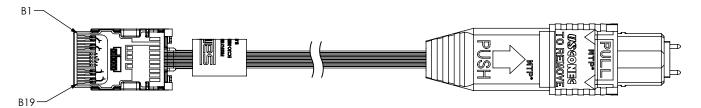
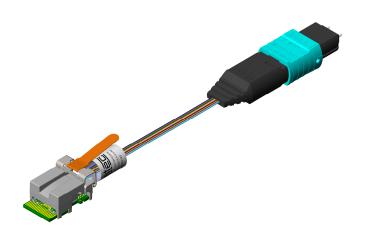


FIG11 ECUO-B04-XX-XXX-0-3-0-1 SHOWN



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SHEET SCALE: 1:2



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DESCRIPTION:

OPTICAL FIREFLY ASSEMBLY

WG. NO.

ECUO-XXX-XX-XXX-0-X-X-XX

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