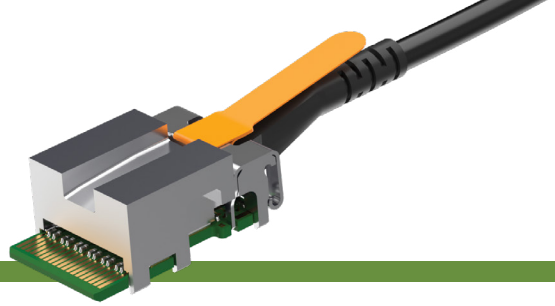
FIREFLY™

28 Gbps

OPTICAL MICRO FLYOVER SYSTEM™



ECUO	–	WIDTH	–	DATA RATE	–	CABLE LENGTH	–	0	–	HEAT SINK	–	1	–	FIBER TYPE	–	END 2 OPTIONS

WIDTH

–B04
= 4 Tx + 4 Rx

–T12
= 12 Tx

–R12
= 12 Rx

–Y12
= 12 Tx + 12 Rx

–U12
= 12 Channel AOC (Unidirectional)

DATA RATE

–14
= 14 Gbps per lane

–16
= 16.1 Gbps per lane (N/A –B04)

–25
= 25.7 Gbps per lane

–28
= 28.1 Gbps per lane (–B04 only)

CABLE LENGTH

–"XXX"
= Overall Length in Centimeters

HEAT SINK

–1
= Flat

–2
= Pin-fin (–14 & –16 only)

–3
= Flat with groove

–4
= PCIe® Pin-fin (–14 & –16 only)

–5
= 1.75 cm tall Pin-fin

FIBER TYPE

–5
= Jacketed ribbon with boot

–6
= Jacketed ribbon

–7
= Black loose tube with boot

–8
= Black loose tube

END 2 OPTIONS

(Leave blank for -U12)
-Y12 requires -2X end option

12 Fibers

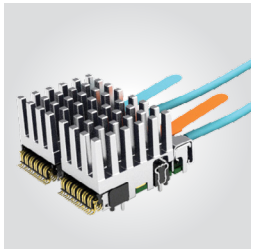
–01 = MTP® Male
–02 = MTP® Female
–07 = MXC® Internal Plug*
–0E = MPO Plus®, Male, bayonet

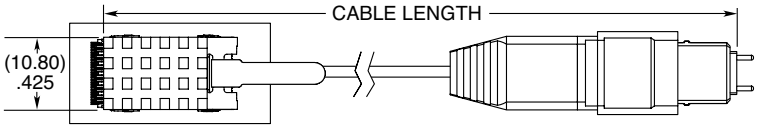
24 Fibers

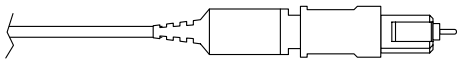
–21 = MTP® Male
–22 = MTP® Female
–27 = MXC® Internal Plug*
–2E = MPO Plus®, Male, bayonet

ECUO

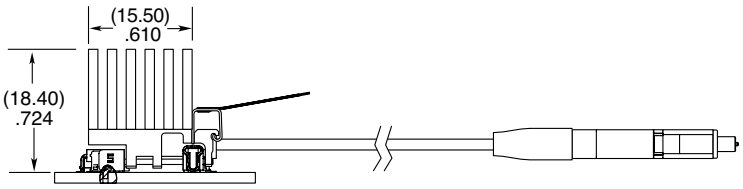
Mates with:
UEC5, UCC8, OPA







-01 (MTP® MALE SHOWN)



-2 PIN-FIN HEAT SINK

-07 (MXC® INTERNAL PLUG SHOWN)

FEATURES

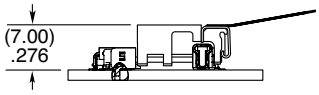
- Supports data center and HPC protocols, including: Ethernet, InfiniBand™, Fibre Channel
- Customizable optical connectors
- Integrated coupling capacitors
- Standard temperature range 0 °C to +70 °C
- Evaluation & Development boards available

CLASS 1 LASER PRODUCT
per IEC 60825-1 Ed. 3 (2014)

Applies to all end 2 options except MXC®

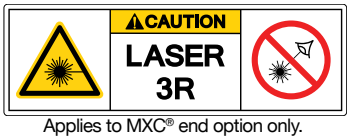
TOOLING

Insertion Tool: CAT-IN-ECUO-02

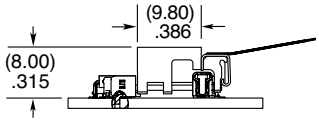


-1 FLAT HEAT SINK

***CLASS 3R LASER PRODUCT**
Laser Radiation. Avoid Direct Eye Exposure.



Applies to MXC® end option only.



-3 FLAT WITH GROOVE HEAT SINK (MULTI-ROW CONFIGURATION)

Notes:
MTP® is a registered trademark of US Conec Ltd.

PCI-SIG®, PCI Express® and PCIe® design marks are registered trademarks and/or service marks of PCI-SIG.

All FireFly™ designs, specifications and components are preliminary and subject to change without notice.

Some lengths, styles and options are non-standard, non-returnable.

View complete specifications at: samtec.com?ECUO

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.