

ECUO SERIES

# OPTICAL MICRO FLYOVER ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?ECUO](http://www.samtec.com?ECUO)

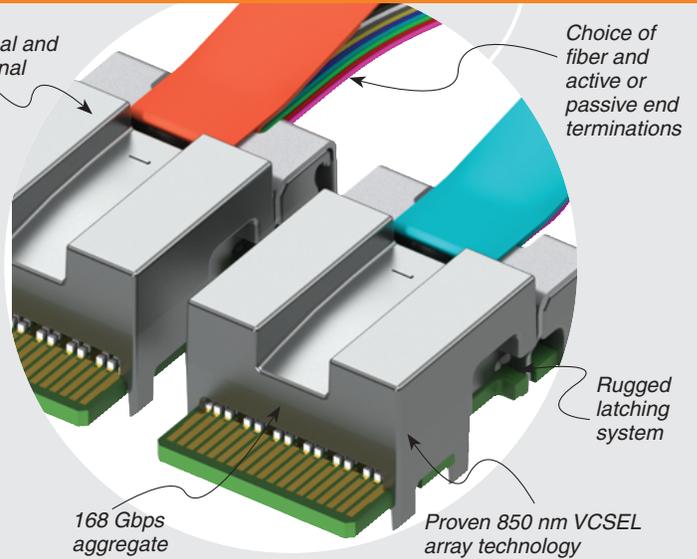
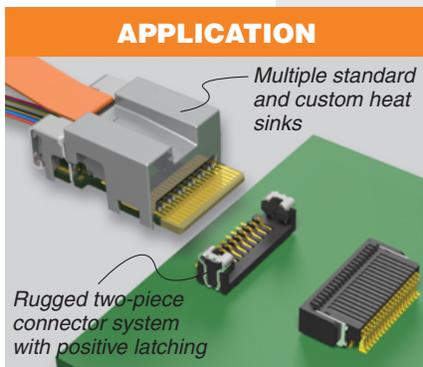
Mates with:  
UEC5, UCC8

## REMOVAL TOOL

- CAT-IN-ECUO-02  
Contact Samtec.

## FEATURES

- Easily upgrade from electrical to optical FireFly™ using the same connector system.
- x12 Unidirectional or Bidirectional
- 14 Gbps (28 Gbps in development)
- Proven 850 nm VCSEL array technology
- Multi-mode fiber technology
- Power consumption  
Transmitter: 0.85 W Typ.  
Receiver: 0.90 W Typ.
- Integral heat sink
- 10° angled fiber exit from the housing to minimize keep-out zone on the board
- Bend Radius: 7.5 mm for Fiber Type option -1 & -2
- Supports all data center and HPC protocols, including: Ethernet, InfiniBand™, Fibre Channel, PCIe®. Contact Samtec
- Evaluation boards available



ECUO	WIDTH	DATA RATE	CABLE LENGTH	0	HEAT SINK	1	FIBER TYPE	END OPTION
<p><b>-U12</b> = x12 Tx to Rx Unidirectional Full Active Optical</p> <p><b>-T12</b> = x12 Tx Unidirectional Half Active Optical</p> <p><b>-R12</b> = x12 Rx Unidirectional Half Active Optical</p> <p><b>-Y12</b> = x12 Bidirectional Half Active Optical (Y Configuration)</p>		<p><b>-14</b> = 14 Gbps (168 Gbps aggregate)</p> <p><b>-28</b> = 28 Gbps (In development)</p>	<p><b>-“XXX”</b> = Overall Length in Centimeters (011 cm to 999 cm) (Minimum length will depend on fiber type and End 2 option specified.)</p>	<p><b>-1</b> = Flat</p> <p><b>-2</b> = Pin-Fin</p> <p><b>-3</b> = Flat with 3-Ribbon pass-through</p>	<p><b>-1</b> = OM3 Low Bend Radius Ribbon</p> <p><b>-2</b> = OM3 Low Bend Radius Loose Tube</p>	<p>Leave blank -U12 -Y12 requires -2(X) options*</p> <p><b>-01</b> = MTP 12F key down, male</p> <p><b>-02</b> = MTP 12F key down, female</p> <p><b>-03</b> = MPO 12F key down, male</p> <p><b>-04</b> = MPO 12F key down, female</p> <p><b>-05</b> = MT 12F male</p> <p><b>-06</b> = MT 12F female</p>	<p><b>-21*</b> = MTP 24F key down, male</p> <p><b>-22*</b> = MTP 24F key down, female</p> <p><b>-23*</b> = MPO 24F key down, male</p> <p><b>-24*</b> = MPO 24F key down, female</p> <p><b>-25*</b> = MT 24F male</p> <p><b>-26*</b> = MT 24F female</p>	
<p><b>IN DESIGN</b></p> <ul style="list-style-type: none"> <li>• x4 Bidirectional Contact Samtec.</li> </ul>								
<p><b>ELECTRICAL SOLUTIONS</b></p> <ul style="list-style-type: none"> <li>• 38 AWG Eye Speed® micro coax cable</li> <li>• Performance to 28 Gbps</li> <li>• Easily upgrade to optical with same connector system See ECUE Series.</li> </ul>								
<p><b>Note:</b> FireFly™ products are dual sourced by Hirose Electric Co., LTD.</p>								