



# EXTENDED TEMPERATURE MID-BOARD OPTICAL SYSTEM

## FIREFLY™ MICRO FLYOVER SYSTEM™

- Extended temperature range from -40 °C to +85 °C for military, aerospace and industrial applications
- High-speed performance to 10.3125 Gbps per channel (x4 & x12) and 25.7 Gbps (x4 only)
- x12 and x4 transceiver system
- Demonstrated error-free transmission during applied external vibrations and shock test, to methods specified in MIL-STD-810
- Data connection is taken "off board," simplifying board layout and enhancing signal integrity
- Integral heat sink provides optimal cooling for thermal operating conditions
- High-density solution with an extremely small footprint for close proximity to the data source
- MT38999/\*MTP®/MPO/Glenair® Series 79 MT/VITA 66.X end options (Other options available. Contact Samtec.)
- Micro rugged board level connector system with positive latching, weld tabs and loading guides for secure connection
- An angled fiber exit from the housing to minimize keep-out zone on the board
- Roadmap: Sealed and Mil-Coated version for exposed military, aerospace and submersible applications (ETMO)

**10**  
G b p s  
x4, x12

**25**  
G b p s  
x4

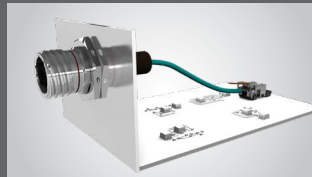
Small footprint to increase density close to the IC

Y cables provide duplex capability

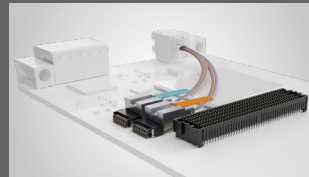
Multi-mode fiber technology

**FIREFLY™**

### END OPTION FLEXIBILITY



Amphenol® MT38999



VITA 66.X



Glenair® Series 79 MT

### System

- ETUO – Extended Temperature FireFly™ Optical Flyover™ Cable Assembly
- UEC5 – Micro Edge Card Socket Assembly
- UCC8 – Positive Latching Receptacle

For more information on Samtec's FireFly™ Micro Flyover System™, please visit [www.samtec.com/firefly](http://www.samtec.com/firefly) or contact Samtec Optical Group at [firefly@samtec.com](mailto:firefly@samtec.com)