EXTENDED TEMPERATURE MID-BOARD OPTICAL SYSTEM

FIREFLY™ MICRO FLYOVER SYSTEM™

• Extended temperature range from -40 ºC to +85 ºC 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)

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END OPTION FLEXIBILITY

Amphenol® MT38999 | VITA 66.X | Glenair® Series 79 MT

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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 or contact Samtec Optical Group at firefly@samtec.com

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