# FIREFLY HIGH-DENSITY COPPER FLYOVER® SYSTEM

# **FEATURES & BENEFITS**

- Pin compatible with optical FireFly™ using the same connector system
- Data connection is taken "off board" for easier routing
- Low-cost solution for seamless integration of new and existing designs
- Low-profile housing for space savings
- x4 bidirectional or x12 unidirectional
- Variety of end 2 termination options



# Standard Copper (ECUE)

- 14 Gbps
- 100 Ω, 34 AWG or 36 AWG Eye Speed<sup>®</sup> twinax cable



### **Optimized Copper (ECUE-2)**

- 28 Gbps card design
- 100 Ω, 34 AWG Eye Speed<sup>®</sup> ultra low skew twinax cable
- Optimized for use with connector UEC5-2



#### x4 Bidirectional ECUE x12 Unidirectional ECUE



x4 Bidirectional ECUE-2



# PCI Express<sup>®</sup>-Over-FireFly<sup>™</sup> Copper (PCUE)

- PCle<sup>®</sup> 4.0
- 100 Ω, 34 AWG Eye Speed<sup>®</sup> ultra low skew twinax cable
- Optimized for use with connector UEC5-2



# LOW-PROFILE MICRO FLYOVER® CABLE



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.