



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



x4 Bidirectional ECUE x12 Unidirectional ECUE

PAM4

56G b p s

x4 Bidirectional ECUE-2



Standard Copper (ECUE)

- 14 Gbps
- 100 Ω , 34 AWG or 36 AWG Eye Speed $^{\circ}$ twinax cable



Optimized Copper (ECUE-2)

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



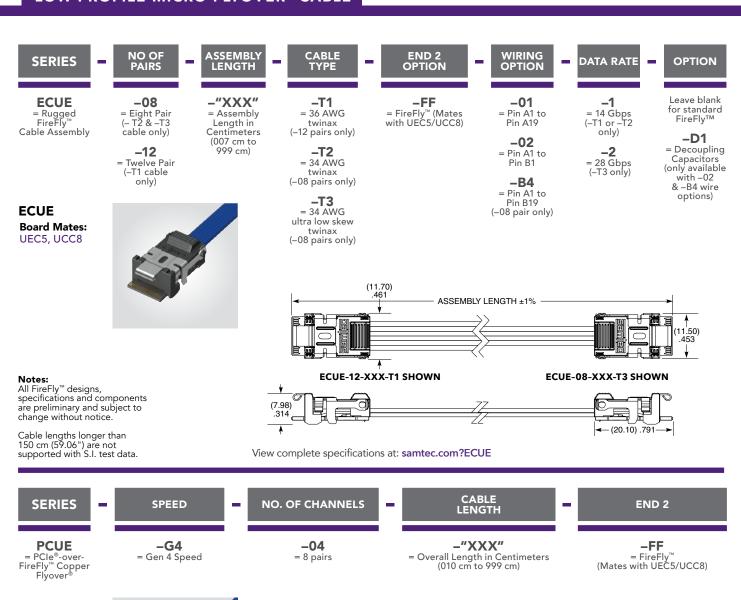
PCI Express®-Over-FireFly™ Copper (PCUE)

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





LOW-PROFILE MICRO FLYOVER® CABLE



PCUE

Board Mates: UEC5, UCC8



Notes:

Supports PCIe® sideband signals

Two additional low speed channels compatible with PCUO or custom usage

Decoupling capacitors in-line with signals on PCB.

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

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

ASSEMBLY LENGTH ±1% (11.70) (1.70) (1.461) PCUE-G4-04-XXX-FF

View complete specifications at: samtec.com?PCUE

Mouser Electronics

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