FIREFLY™

COPPER MICRO FLYOVER SYSTEM™

28 Gbps

ECUE/PCUE SERIES
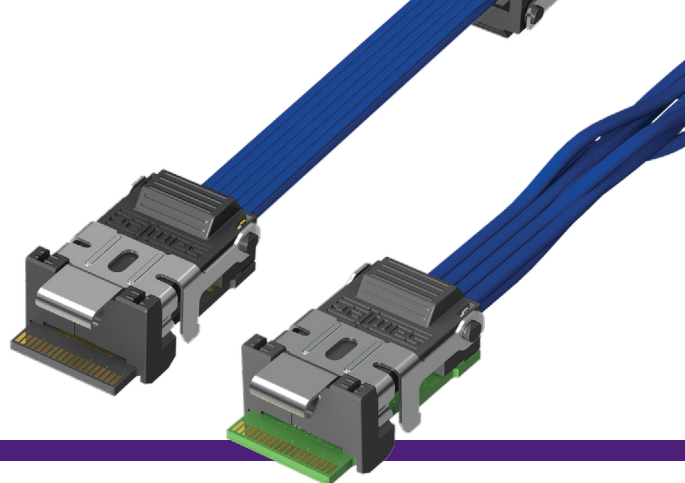
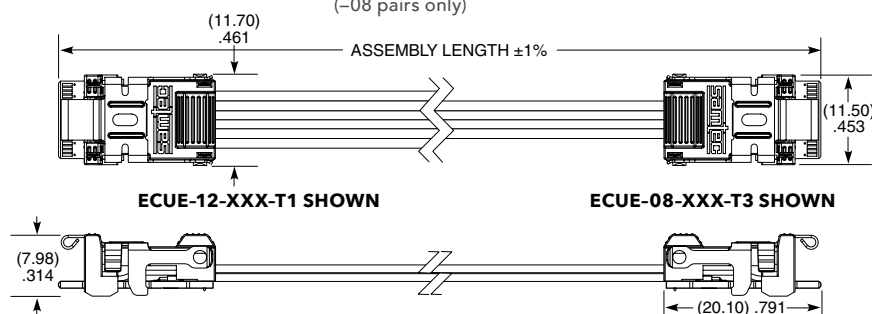## ECUE

Mates:
UEC5, UCC8

SPECIFICATIONS

Cable:
36 AWG twinax cable
34 AWG twinax cable
34 AWG ultra low skew twinax cable
Signal Routing:
100 Ω Differential
Bend Radius:
(3.18 mm) .125"

SERIES	NO OF PAIRS	ASSEMBLY LENGTH	CABLE TYPE	END 2 OPTION	WIRING OPTION	DATA RATE	OPTION
ECUE = Rugged FireFly™ Cable Assembly	**–08** = Eight Pair (– T2 & –T3 cable only) **–12** = Twelve Pair (–T1 cable only)	**–"XXX"** = Assembly Length in Centimeters (007 cm to 999 cm)	**–T1** = 36 AWG twinax (–12 pairs only) **–T2** = 34 AWG twinax (–08 pairs only) **–T3** = 34 AWG ultra low skew twinax (–08 pairs only)	**–FF** = FireFly™ (Mates with UEC5/UCC8)	**–01** = Pin A1 to Pin A19 **–02** = Pin A1 to Pin B1 **–B4** = Pin A1 to Pin B19 (–08 pair only)	**–1** = 14 Gbps (–T1 or –T2 only) **–2** = 28 Gbps (–T3 only)	Leave blank for standard FireFly™ **–D1** = Decoupling Capacitors (only available with –02 & –B4 wire options)

Notes:
All FireFly™ designs, specifications and components are subject to change without notice.

Cable lengths longer than 150 cm (59.06") are not supported with S.I. test data.

(11.70) .461 — ASSEMBLY LENGTH ±1% — (11.50) .453

ECUE-12-XXX-T1 SHOWN   **ECUE-08-XXX-T3 SHOWN**

(7.98) .314   (20.10) .791

View complete specifications at: **samtec.com?ECUE**

PCUE

Mates:
UEC5, UCC8

SPECIFICATIONS

Cable:
34 AWG ultra low skew twinax
Signal Routing:
100 Ω
Bend Raduis:
(3.18 mm) .125"

SERIES	DATA RATE	NO. OF CHANNELS	ASSEMBLY LENGTH	END 2
PCUE = PCIe®-over-FireFly™ Copper Cable Assembly	**–G4** = 4.0 Speed	**–04** = 8 pairs	**–"XXX"** = Assembly Length in Centimeters (010 cm to 999 cm)	**–FF** = FireFly™ (Mates with UEC5/UCC8)
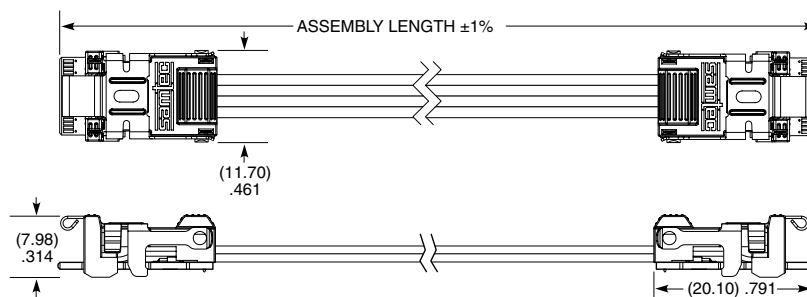
Notes:
Supports PCIe® sideband signals

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) .461

PCUE-G4-04-XXX-FF

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View complete specifications at: **samtec.com?PCUE**

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samtec.com/FireFly