

Data Sheet

HDR-190945-01-ECUE

FireFly™ Loopback Cable Assembly

Working Draft 00 October 12, 2016

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Change History

Revision #	Reason	Date
Draft 00	Working Draft	10/12/2016

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1 Overview

The FireFly™ Loopback Cable Assembly is a loopback cable design by Samtec, Inc. for testing the FireFly™ connector system on at data rates of 28 Gbps and beyond. This is a non-catalog standard cable using the low profile Samtec ECUE series housing.

2 Functional Description

The FireFly™ Loopback Cable Assembly (P/N HDR-190945-01-ECUE) utilizes 34 AWG, 100 Ω ultra-low skew twinax cables supporting high-speed differential pair data paths found in the FireFly™ connector system. It provides loopback testing for any development system using the FireFly™ connector system (such as the Xilinx Virtex UltraScale+ VCU118 Evaluation Kit).

The cable assembly is used to allow test and debug of a single unit. Outbound TX signals are routed back to their corresponding RX pins with capability of 28Gbps data rates.

3 Technical Specifications



Figure 1 - Samtec P/N HDR-1900945-01-ECUE Loopback Cable Assembly

Cable: 34 AWG, 100 Ω Twinax

Length: 5.00” ± 0.05”

Differential Pairs: 4

For more information or technical support, please contact Samtec at HDR@Samtec.com.

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