XTK-28/32 Crosstalk Modeling Platform

Fully test SERDES – Dial in channel optimization strategies – meaningful IBIS AMI simulations

FEATURES

- **Industry first Crosstalk Channel Modeling Package for creating real Crosstalk, not synthesized!**
- Family of ICR for common compliance specifications 802.3, CEI, USB 3.0, 10GBase-KR, SAS3, PCI Express Gen3, 40Gbe, 100Gbe, 16XFC
- Keysight ADS EDA Kit available
- S-parameter library for pre-silicon analysis
- Clean-pure crosstalk with no signal integrity structure set included
- Crosstalk with -5 and -10dB return loss for mimicking problem backplane channels
- Optional WRT skew matched cables pairs to use with ISI-28/32 for adding loss
- Works with ISI-28 Loss platform and WRT skew matched cables

APPLICATIONS

- SERDES Receiver Tolerance Testing
- IBIS AMI and Serial Link analysis
- Communication Channel Optimization using DFE, FFE, CTLE, and Gain Stage Elements
- Jitter Analysis and Benchmarking

RELATED PRODUCTS

- ISI-28/32 Loss platform

The XTALK-32 is an industry first product consisting of a family of loss and Insertion-Crosstalk Ratio (ICR) designed to challenge 6-32 Gbps/sec systems and PAM-4 56Gbps/sec. ICR is a basic measure of signal versus crosstalk energy (similar to Signal/Noise) and provides 50 (very low XTALK) to 15 (very high XTALK) for both 10 and 28 Gbps/sec systems. Crosstalk energy and Victim loss can further be tuned with optional pad kit. Structures can be combined with other platforms or on-board structures using optional low skew <1 psec matched cable kit.

The XTALK-32 package Includes:

- Assembled and 100% tested Platform
- EDA Design Kit for ADS including DFE, CTLE, Pre-emphasis using IBIS AMI and reference TX/RX
- S-parameter Library test for quality

For details and to request a quote, please contact Wild River Technology Sales at the number below, or email us at info@wildrivertech.com.