

Comprehensive USB 3.1 Test Suite



Key Features

- **Single vendor solution for the full range of USB 3.1 tests**
- **Fully automated Transmitter and Receiver testing**
- **Transmitter Testing**
 - Support for Gen1 and Gen2 DUTs
 - Automated compliance pattern (CP) change with PeRT³
 - Seamless SigTest integration
- **Receiver Testing**
 - Automated Rx calibration
 - True protocol handshake support
 - Jitter Tolerance Testing
 - USB 3.1 Compliance Patterns
- **Protocol Testing**
 - Multi-function analyzer system with integrated USB 3.1 exerciser
 - Support for Type-C, USB 3.1, and Power Delivery 2.0
 - T.A.P.3[™] probing for fast signal lock, seamless state change detection and accurate LFPS detection
- **Cable and Connector Testing**
 - S-parameters and TDR testing
 - Insertion loss, crosstalk, impedance measurements
 - Measures from DC up to 40 GHz

Teledyne LeCroy is the only vendor which offers a full line of USB 3.1 test solutions for compliance, characterization, and debug. Transmitter and receiver tests are covered in one automated physical layer test package, QPHY-USB3.1-Tx-Rx, enabling streamlined testing. The M310C protocol analyzer can test the link layer for protocol compliance. Cables and connectors can be quickly characterized using the SPARQ Series Network Analyzer for S-parameter and TDR testing. Teledyne LeCroy provides the right solution for every stage of USB 3.1 development.

Transmitter Testing

QPHY-USB3-Tx-Rx offers a fully automated compliance test package for USB 3.1 transmitter compliance testing. Tests can be performed using the latest SigTest software for official compliance results. Alternatively, tests can be run using SDAIII to provide the ideal interface for debugging any USB 3.1 failures.

Receiver Testing

The PeRT³ (Protocol-enabled Receiver and Transmitter Tolerance Tester) fills the space between physical layer test and protocol test, providing a new and more intelligent capability for performance testing of receivers and transmitters.

Protocol Testing

Supporting the Type-C, 3.1 and Power Delivery 2.0 specifications, the Voyager USB analyzer platform provides the industry's most accurate capture of the USB protocol. This multifunction validation platform is available with an integrated exerciser providing host and device emulation.

Cable and Connector Testing

The SPARQ Series Network Analyzer can easily make all frequency and time domain measurements required for USB 3.1 cable and connector testing. The SPARQ performs S-parameter measurements at a fraction of the cost of a VNA and utilizes a built-in calibration kit to make all measurements quickly and easily.

Comprehensive Usb 3 1 Test Suite Datasheet

Michal Rosen-Zvi



Comprehensive Usb 3 1 Test Suite Datasheet:

Low-Power Processors and Systems on Chips Christian Piguet,2018-10-03 The power consumption of microprocessors is one of the most important challenges of high performance chips and portable devices In chapters drawn from Piguet s recently published *Low Power Electronics Design* this volume addresses the design of low power microprocessors in deep submicron technologies It provides a focused reference for specialists involved in systems on chips from low power microprocessors to DSP cores reconfigurable processors memories ad hoc networks and embedded software *Low Power Processors and Systems on Chips* is organized into three broad sections for convenient access The first section examines the design of digital signal processors for embedded applications and techniques for reducing dynamic and static power at the electrical and system levels The second part describes several aspects of low power systems on chips including hardware and embedded software aspects efficient data storage networks on chips and applications such as routing strategies in wireless RF sensing and actuating devices The final section discusses embedded software issues including details on compilers retargetable compilers and coverification tools Providing detailed examinations contributed by leading experts *Low Power Processors and Systems on Chips* supplies authoritative information on how to maintain high performance while lowering power consumption in modern processors and SoCs It is a must read for anyone designing modern computers or embedded systems

14th Symposium on Integrated Circuits and Systems Design Sociedade Brasileira de Computação,2001 Annotation Papers from a September 2001 symposium report on recent advances in areas of integrated circuits and systems design including embedded systems rapid prototyping formal methods codesign CAD and test analog digital and physical design and low power and low voltage Specific topics include communication architectures for system on chip using the CAN protocol and reconfigurable computing technology for Web based smart house automation and optimizing BDD based verification analyzing variable dependencies Other subjects include interconnection length estimation at logic level an environment to aid the synthesis of threephase analogue waveform using AHDL and extending sequencing graphs for reconfigurable applications modeling This work lacks a subject index c Book News Inc **HWM** ,2006-06

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USB Design by Example John Hyde,2001 This unique guide goes beyond all the USB specification overviews to provide designers with the expert knowledge and skills they need to design and implement USB I O devices HWM ,2007-09

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EDN ,2000 **Federal Register** ,2013 *Wireless World* ,1983 **Proceedings of the ACM SIGMM ... Workshop on Effective Telepresence** ,2004 *Sound & Vision* ,2009 **Commerce Business Daily** ,2001-08 **Mobile Web 2.0** Syed A. Ahson,Mohammad Ilyas,2010-12-07 From basic concepts to research grade material *Mobile Web 2 0 Developing and Delivering Services to Mobile Devices* provides complete and up to date coverage of the range of technical topics related to

Mobile Web 2.0 It brings together the work of 51 pioneering experts from around the world who identify the major challenges in Mobile Web 2.0 appl *InfoWorld* ,1995-03-27 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects **Government Reports Announcements & Index** ,1991 **Dataquest** ,1999-07 *The Photonics Directory* , **Electronic Design** ,2002 **The Wireless World** ,1980 **Jane's Military Communications** ,1987 Includes index Ham Radio ,1987

The Top Books of the Year Comprehensive Usb 3 1 Test Suite Datasheet The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have enthralled audiences this year. Comprehensive Usb 3 1 Test Suite Datasheet : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Comprehensive Usb 3 1 Test Suite Datasheet : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Comprehensive Usb 3 1 Test Suite Datasheet : Delia Owens' "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and thrilling novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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