



**Telecommunications & Data Networking**  
**SALES, INSTALLATION & 24-HOUR SERVICE**  
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## **Connector Hardware Testing**

**The following information is intended for connector manufacturers only**, who need to verify the performance of their jacks in accordance with ANSI/TIA -568-B.2-10-2008; Transmission Performance Specifications for 4-Pair 100 Ohm Augmented Category 6 Cabling and the coming ANSI/TIA -568-C.2; Balanced Twisted-Pair Telecommunications Cabling and Components Standard.

### **Overview of testing Category 6A rated connecting hardware using PCB based test plugs (July 15, 2008) (1.16 MB)**

This summarizes test configurations for testing Cat 6A rated jacks for compliance using PCB style test plugs that are also identified with the nickname "Salsa". In particular, the selection of calibration planes and port extensions is extremely critical for obtaining the correct results. This document is also intended to clarify the use of test fixtures that can be obtained from SMP Data Communications, ADC and Fluke Networks. A calibrated shorting jack and a FEXT through adapter must be constructed by the user. It is the intention of Fluke Networks to allow SMP Data Communications to supply all its special test fixture artifacts for the purpose of providing test kits for Cat 6A connecting hardware.






















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The aforementioned document refers to a number of spread sheets:

- Description of sample spreadsheets for Cat 6A connecting hardware performance evaluation (July 15, 2008) (0.55 MB) 
-   ○ DRNEXTplugForward.xls (1.88 MB)
-   ○ DRNEXTevalJackForward.xls (5.76 MB)
-   ○ DRNEXTplugReverse.xls (1.95 MB)
-   ○ DRNEXTevalJackReverse.xls (5.89 MB)
-   ○ DRRLPlug.xls (8.64 MB)
-   ○ DRRLevalJackReverse.xls (0.62 MB)
-   ○ DRRLevalJackForward.xls (0.62 MB)
-   ○ Compute-JackTi matrix.xls (6.28 MB)
-   ○ DRFEXTplug.xls (2.59 MB)
-   ○ DRFEXTevalJack.xls (1.30 MB)

**Disclaimer:** *These documents represent the best interpretation of the TIA Cat 6A connecting hardware test procedure as in Addendum #10 to TIA/EIA-568-B.2 by the authors, but cannot be guaranteed to be fully accurate. The user should obtain the TIA standard and verify that this representation is correct. Fluke Networks welcomes comments on these documents, but is unable to comment on any submitted test data. Updates will be made without announcement. Newer revisions will be shown by their dates as shown above.*

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