

Non-Compliant Plugs and Jacks - Summary of Findings

Sentinel Connector Systems

71,826 part numbers/spec sheets have been reviewed to date. Of the 71,826, only 4,076 meet the prescribed standards as put forth in ANSI/TIA-1096-A (formerly FCC Part 68). This represents a **5.6% Pass Rate**.....and a **94.4% Failure Rate**.

Methodology

The data that appears in this analysis is taken from the UL web site that provides information on UL LISTED - Communications - Circuit Accessories - Component.....the Category where modular plugs and jacks are referenced. The data reflects adherence to ANSI/TIA-1096-A, relative to Contact Materials, Gold and Nickel Plating and Durability. Other important Standards criteria considered include UL94V-0, UL1863, TIA-568, IEEE 803.2 and IEC 60603. These are the Standards most associated with mod plugs and jacks referenced in TIA Committees TR41 and TR42.

Also, we could provide the spreadsheet information.....removing the names of the companies if needed.

Again, this is only the tip of the iceberg. We recently made a Technical Contribution to TR41- Modular Plug and Jack Failures due to Dimensional Tolerances that dramatically shows DIMENSIONAL and NOMINAL FORCES ISSUES that result in CONTACT LIFT OFF.....when these factors enter into the equation, to problem is exacerbated. To view the Technical Contribution as well as see the video animations, please go to the following...

Tuesday, October 16, 2012 11:42 AM 23931 TR41.9-12-11-009a-Plug&JackDimensionalIssues,SentinelConnector.docx

Tuesday, October 16, 2012 11:27 AM 5726208 TR41.9-12-11-009b-Pak4MotionAssemblyV5-10.avi

Tuesday, October 16, 2012 11:27 AM 6393856 TR41.9-12-11-009c-Pak4MotionAssemblyV7-Twist02.avi