

SIGNAL INTEGRITY

The integrity of the signals going through the connector become more important as more circuits carry data rather than simply distribute power. Add to the data signal such effects as vibration and EMI and the integrity of the electrical system can easily hinge on the performance of the connector.

Deutsch connectors are designed to handle all environmental conditions typically seen on heavy-duty equipment. Design considerations have been given for temperature, vibration and high current levels to exist simultaneously in a connector with no performance degradation. In this way, no de-rating of our specification levels is required.



Deutsch also has designed a number of solutions for applications that require protection against EMI/RFI which can affect data signals at higher data rates. These solutions include ferrite, capacitor-to-ground networks, T networks and n-type networks. This range of solutions offers customers the flexibility to include the solution that best meets their needs.



IPD Technical Papers



DEUTSCH

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