

**New Product Release. March 15, 2006.
For immediate release.**

Cambridge Connectors introduces Real 75 Ohm BNC Connector for HDTV Broadcast Applications

High definition TV applications are pushing the operating parameters of interconnection products in the broadcast industry to the limit. The design and use of BNC connectors (the industry's connector of choice) have had to adapt to keep up with the ever increasing demand for greater bandwidth. The challenge lies not only in the basic design of this connector range (BNC connectors were originally designed for 50 ohm applications) but also on the way in which the connector is terminated. The PCB layout and the connector-to-board interface, therefore, are equally as important as the intrinsic properties of the connector. With this in mind, when re-engineering their new true 75 ohm BNC connector, which is fully RoHS compliant, Cambridge Connectors, also incorporated an innovative PCB edge mounting style. This provides a straight signal path along the connector, through the point of interface and onto the PCB track with minimal loss of transmission characteristics. The resultant VSWR of 1.09^(Max) over a frequency range of 0 – 1.5 GHz and working voltage of 500V rms means this BNC connector more than meets HD Serial Digital Video requirements. An additional benefit of the card edge style is the lower profile offered enabling higher wiring densities, which is a major consideration in the design of broadcast equipments.

To complement this new product Cambridge Connectors also produces True 75 ohm BNC patch leads in either standard length or built to customer specification.

A 75 ohm optimised PCB layout guide is available on request. For more details contact Cambridge Connectors on.

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Note to Editors

Cambridge Connectors is a UK based specialist supplier of RF connectors to the Broadcast Industry and works in partnership with many major manufacturers of switching and routing equipment in the UK and overseas. Such close consultation has resulted in the development of many RF connector variants, some to meet the general needs of the industry, others to address the unique requirements of specific customers.

One development has been the Cambridge Connectors' Press Fit BNC connector range, delivering significant manufacturing cost savings with built-in added reliability. This product is in now in general use. The development of the new Real 75 ohm, PCB edge mounting BNC connector resulted from consultation with the members of the broadcast industry and the identification of a common requirement to HD TV standards.

Cambridge Connectors undertakes the development of a wide variety of customer driven connector solutions regardless of project size or complexity.

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