

**Coaxial Transceiver Interface (Rev D)**

**Features**

- Implemented in High Voltage, Low Power CMOS
- Compatible with National's DP8392A
- CS83C92C is Compliant With ISO/IEEE 802.3 10Base5 (Ethernet) and 10Base2 (Cheapernet)
- All Transceiver Functions Integrated Except Signal and Power Isolation
- Squelch Circuitry Rejects Noise
- CD Heartbeat Externally Selectable Allowing Operation with IEEE 802.3 Compatible Repeaters
- Receive & Transmit Mode Collision Detection
- Standard 16-pin DIP Package & 28 pin PLCC

**General Description**

The CS83C92 Ethernet Transceiver interfaces an Ethernet or Cheapernet Local Area Network (LAN) to a LAN Adapter board, and may be located up to 50 meters from the station equipment. The Transceiver operates with the Crystal LAN components CS8005 Ethernet Data Link Controller and the CS8023A Manchester Code Converter. The CS83C92A is fully compatible with the DP8392A but the CS83C92A is built in CMOS technology (hence the 83°C\*92). The CS83C92C is a higher performance grade which is compliant with IEEE 802.3 specifications.

For Ethernet applications, the CS83C92 is mounted on the COAX cable, and connects to the station equipment via an AUI cable. In a Cheapernet network, the CS83C92 is usually mounted on the LAN adapter card in the station equipment where it connects to the thin COAX through a BNC connector.

**ORDERING INFORMATION:**

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| CS83C92A-CP/D PDIP | CS83C92C-CP/D PDIP |
| CS83C92A-CL/D PLCC | CS83C92C-CL/D PLCC |

