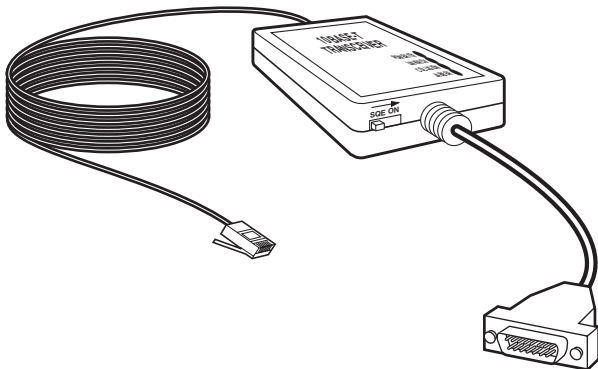




Mini 10BASE-T Transceiver w/Cable (Slidelock or Screwlock)



CUSTOMER SUPPORT INFORMATION

Order **toll-free** in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)

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**FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE
STATEMENT**

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This digital apparatus does not exceed the Class A limits for Radio noise emission from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

1. Specifications

Standards — IEEE 802.3 10BASE-T

Indicators — (4) LEDs: Power/TX, LINK/RCV, Collision, Jabber

Connectors — (1) AUI 15-pin male, (1) RJ-45 male

Temperature — 32 to 131°F (0 to 55°C)

Humidity — 10 to 90% (non-condensing)

Power — From workstation AUI connection

Size — Transceiver: 0.75"H x 2"W x 2.75"D
(1.9 x 5.1 x 7 cm);

Attached RJ-45 cable: 15 ft. (4.5 m) long

Attached AUI cable: 6 ft (1.8 m) long

Weight — 0.375 lb. (0.17 kg)

2. Introduction

The Mini 10BASE-T Transceiver w/Cable connects a host to a 10BASE-T network using your existing standard Ethernet adapter card. Two models are available:

- LE3010A, Mini 10BT Transceiver w/Cable (Slidelock)
- LE3011A, Mini 10BT Transceiver w/Cable (Screwlock)

Both models include the following:

- Transceiver
- Attached 6-ft. molded office transceiver cable
- Attached 15-ft. 24 AWG stranded UTP wire

3. Configuration

3.1 Set SQE Switch

SQE is the Signal Quality Error function that provides “heartbeat” for network data collision detection setting. If the host to which the transceiver is connected is a computer, set the SQE switch to ON. If the host is a repeater (coaxial cable use), set the SQE switch to OFF. Fig. 3-1 shows the location of the SQE switch.

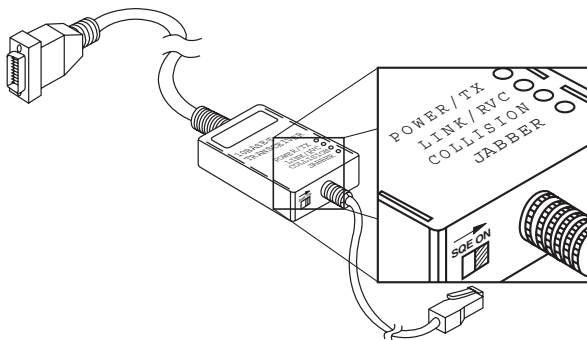


Fig. 3-1. SQE Switch.

3.2 RJ-45 Pinout Assignment

Fig. 3-2 shows the pinouts of the RJ-45 connector.

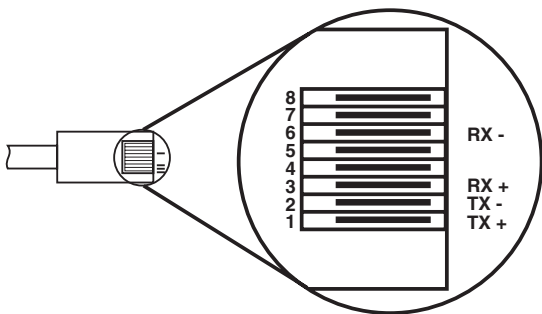


Fig. 3-2. RJ-45 Pinout Assignment.

4. Installation

4.1 Connect the Transceiver to the Host and to the Hub

1. Plug the DB15 connector of the AUI cable into the host's DB15 port.
2. Plug the RJ-45 connector of the UTP cable into the 10BASE-T hub. See Fig. 4-1.

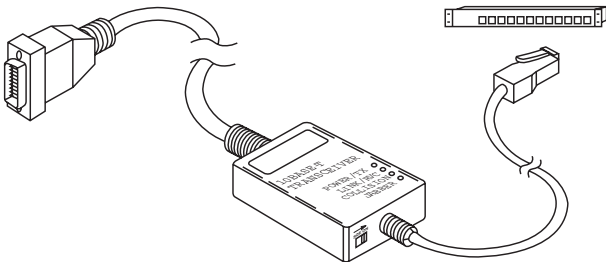


Fig. 4-1. Connecting the Transceiver to the Host and Hub.

5. LED Indicators

The LED indicators on the transceiver show the following:

- **POWER/TX**—The indicator should be constantly ON, once you connect the transceiver to the host and the hub. When this indicator blinks, data is being transmitted.
- **LINK/RCV**—When this indicator is continuously ON, data link is OK and the transceiver is ready to receive data. When this indicator blinks, data is being transmitted.
- **COLLISION**—This indicator should be OFF most of the time. When it is ON, data collision is occurring. Data collision is not an abnormal situation. It may sometimes happen when the host to which the transceiver is connected attempts to transmit data on the network while another host is also attempting to do the same. When this happens, data collides on the network. Both hosts will then back off and attempt to retransmit at random intervals. The transceiver retries until data collisions cease.

- **JABBER**—This indicator should be OFF most of the time. When it is ON, the data transmission function is being interrupted because of an abnormally long output data stream. The function is interrupted to prevent the corrupted data from being sent over the network.

NOTES



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