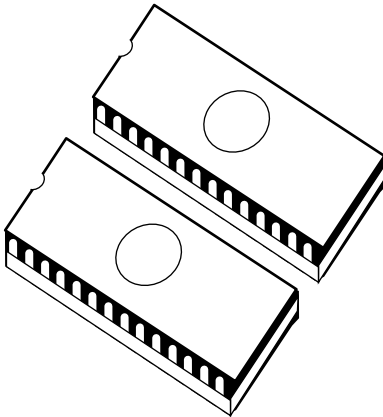




EPROM Upgrade Kit for CentreCOM™ AT-6870 and AT-6875 Bridges User Manual



Bridge EPROM Upgrade Kit

Allied Telesyn AT-6870/6875 bridges come with management software loaded in two Erasable Programmable Read-Only Memory (EPROM) devices. The EPROMs provide transparent learning functionality as well as Simple Network Management Protocol (SNMP) Management Information Base (MIB) II parameters and supplemental MIB variables for bridges per the Internet Advisory Board (IAB) Bridge MIB. You can upgrade individual bridges by replacing the EPROMs in their sockets on the logic board. This EPROM upgrade kit adds the Internet Protocol (IP) inquiry capability, BOOTP. For information about the operation of the bridge, refer to the *AT-6870/6875 CentreCOM™ MAC-Layer Bridge Installation and User Manual*.

Installing the EPROM Upgrade Kit

Caution



Installation should be performed with precautions to prevent damage to static-sensitive components.

1. Make sure the power to the bridge is OFF.
2. Remove the two screws on each side of the bridge that hold the top cover in place.
3. Remove the top cover. The cover fits tightly, and it may be necessary to use a screwdriver to initially dislodge it.
4. Orient the unit with the front towards you. The power supply should be on the left, and the port LEDs should be on the right. See Figure 1.

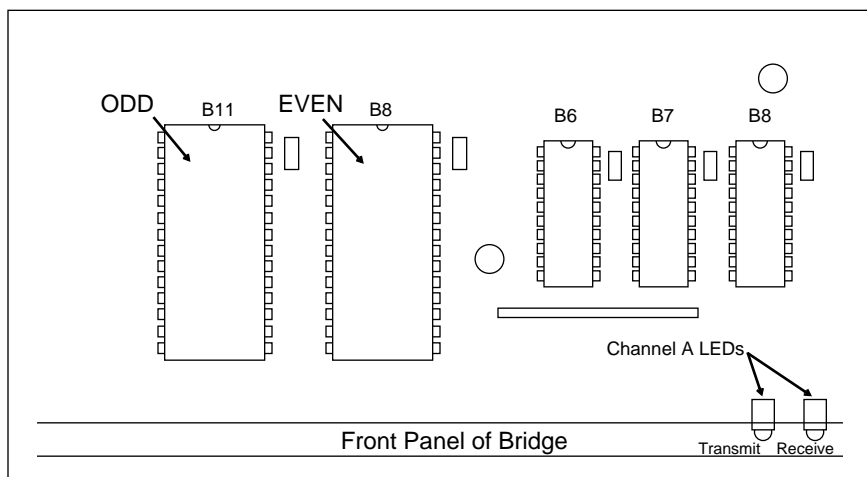


Figure 1: Location and Orientation of the EPROMs on the AT-6870/6875 Logic Board

Caution



EPROM pins are delicate. Use care when handling these components to prevent pins from being bent or sheared.

5. Using a chip extractor, remove the two EPROMs from their sockets.

Caution



The EPROM marked ODD goes on the left and the EPROM marked EVEN goes on the right. Place EPROMs in the correct sockets and orient them correctly or damage may result.

6. Referring to Figure 1, observe the orientation of the two EPROMs. Insert the EPROM marked "ODD" in the socket on the left, B11 on the Printed Circuit Board (PCB) silkscreen. Insert the EPROM marked "EVEN" in the socket on the right, B8 on the PCB silkscreen. The notched end of the EPROMs' ceramic cases go toward the back of the logic board. When inserting the EPROMs in their sockets, carefully line up the pins with the socket contacts, and exert just enough insertion force to slide the pins into the contacts evenly and completely.
7. Replace the cover and secure it using the four screws.

Verification of Operation

Before putting the bridge back in service, you can make sure it is functional by running its power-up diagnostic routines.

Plug the bridge in if the power cord is unplugged and turn the power ON.

The green System Power indicator and the red Diagnostics indicator come ON, and the bridge tests the two network channels. First the Transmit and Receive indicators for Channel B flash alternately for a few seconds, then this is repeated for Channel A. If the unit does not pass, the Diagnostics indicator illuminates and stays ON steadily.

The Diagnostics indicator goes OFF when the bridge passes the diagnostic tests, signaling that it is ready for use.

Network Management

The SNMP agent enables the user to manage the system from any industry-standard SNMP Network Management Console (NMC) running an SNMP management application that can handle MIB II.

A network management application which handles only MIB II would not be able to perform all the management functions of the AT-6870/6875.

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