

## J99343GB,L2 2-2 WIRE TERM (L)/LSE CFU MTC2210A

### DATA SHEET

### METALLIC FACILITY TERMINAL

The J99343GB,L2 is a 2-2 wire terminal (L) loop signaling extender (LSE) CFU. This unit provides gain, fixed equalization, and signaling range extension on 2-wire circuits between terminal equipment and a loaded facility. The J99343GB,L2 will function in either a single-module frame or in the transmission slot of a double-module frame.

For a detailed description of this unit, see Section 332-912-153, CD-7C050-01, and SD-7C050-01 (CPS 5). The set-up procedure is covered in Section 332-912-253. A block diagram is shown in Fig. 1. Figure 2 provides switch identification.

**GAIN ADJ:** Five miniature switches (GAIN ADJ) control the gain of the repeater. The GAIN ADJ switches, accessible through the front panel, are labeled .25, .50, 1.0, 2.0, and 4.0. These switches are ganged to provide the same gain in both directions of transmission. The maximum gain should be limited to 6 dB.

**GAUGE:** The gauge switches consist of eight rocker switches. Four switches are labeled 19, 22, 24, and 26, and four are labeled 25. The numbers correspond to the cable gauge of the facility that the repeater interfaces. To set the unit to match 25-gauge cable, all four switches labeled 25 must be depressed toward 25. For

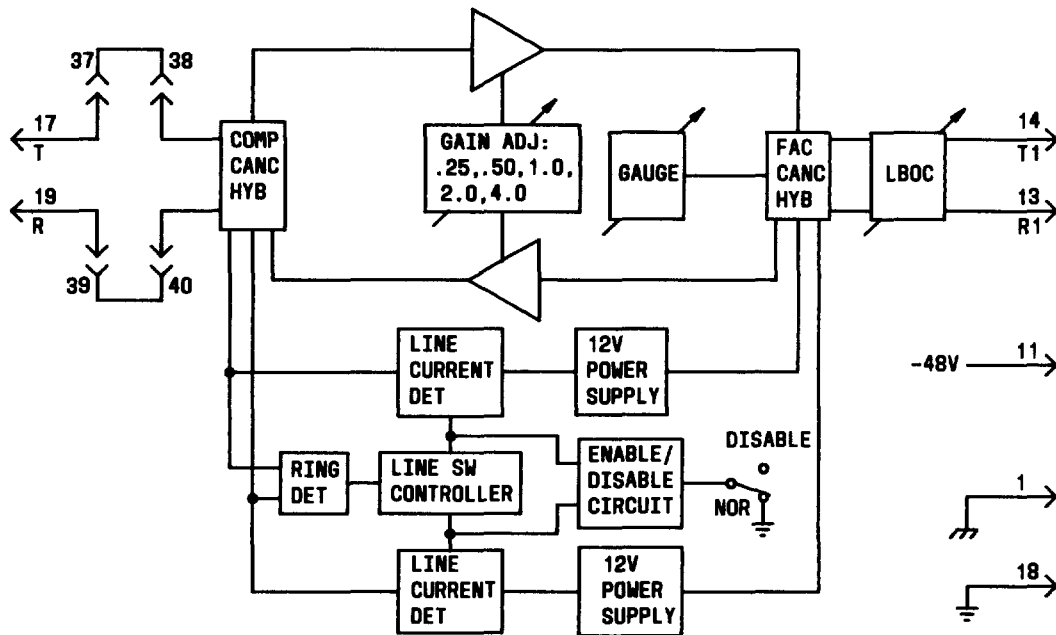


Fig. 1—Block Diagram of J99343GB,L2

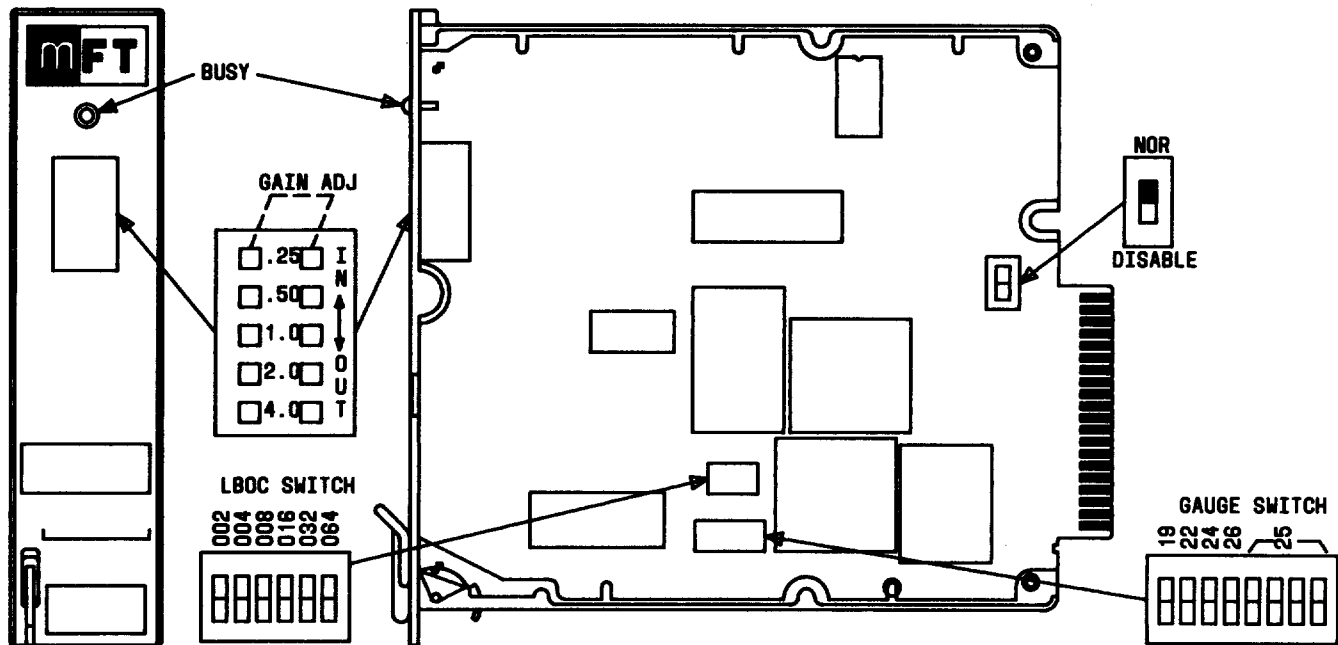


Fig. 2—J99343GB,L2—Component Layout

a mixed-gauge facility, the predominant gauge determines the gauge setting. Only one gauge setting may be used at a time.

**LBOC:** The controls for the LBOC consist of a group of six rocker switches labeled 002, 004, 008, 016, 032, and 064. These switches control the selection of capacitor values from 0 to  $0.126 \mu\text{F}$  in  $0.002 \mu\text{F}$  increments.

**NOR-DISABLE:** This switch provides a special test arrangement for the CFU. In the NOR position, transmission tests can be performed on the repeater section independently of the state of the signaling section. In this arrangement the repeater is continuously activated. In the DISABLE position, the CFU operates in the normal manner.