

Step 2

Distribution Boards, Bracket Kits, and Cable Kits

Switches and attenuators are connected to the Keysight 34945A and L4445A Microwave Switch/Attenuator Drivers and the L4490A/L4491A RF Switch Platform through distribution boards installed on the 34945EXT module (see System Interconnections Defined).

There are five distribution boards (Y1150A – Y1154A) designed to allow Keysight’s most popular switches and attenuators to be driven directly. A sixth distribution board, the Y1155A, is designed to drive virtually any switch or attenuator by providing screw terminals to connect to relay coils and position indicators.

The distribution board required for each switch/attenuator model and the number of switches/attenuators supported per board (shown in brackets []) are listed in Table 1.

The Y115x distribution boards are passive; they only provide socket headers or screw terminals that interface external devices to the 34945EXT. The distribution boards do provide access to position feedback signals that can be used to drive LED’s to visually represent a signal path, for example.

Bracket and Cable Kit Usage

There are six bracket kits and three cable kits available **separately** for switch/attenuator installation and control (Table 1). The number of switches/attenuators supported per kit is summarized in Table 2.

The bracket kits apply to the L4490A and L4491A. Each bracket kit contains hardware for mounting the switch to the bracket and for mounting the bracket assembly in the chassis.

The cable-only kits are primarily used with the 34945A and L4445A, but can also be used with the L4490A and L4491A.

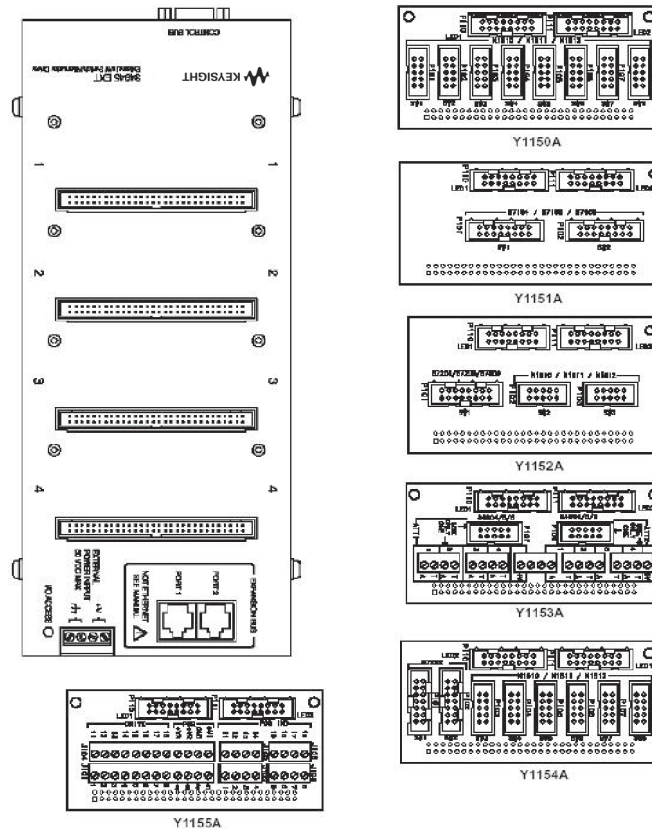


Figure 1. The Y1150A – Y1155A distribution boards