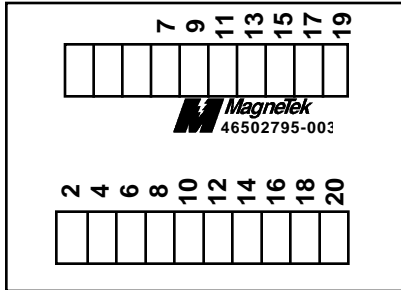
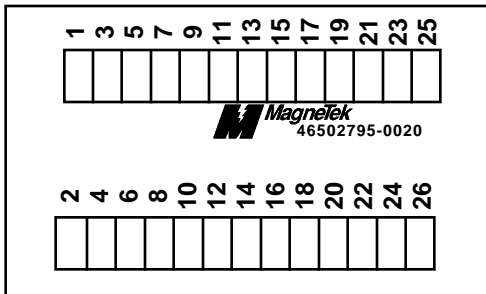


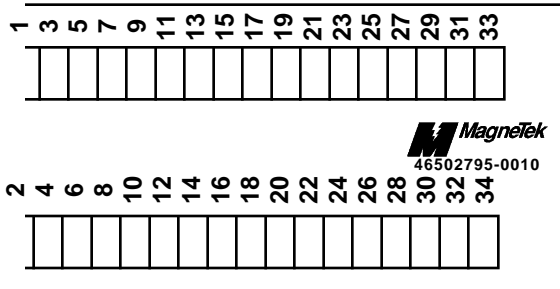
FRONT VIEW OF 20 POINT BOARD



FRONT VIEW OF 26 POINT BOARD



FRONT VIEW OF 34 POINT BOARD



**INPUT/OUTPUT DEVICE
USER REFERENCE SHEET
FOR**

TERMINAL TRANSITION ADAPTER PCB

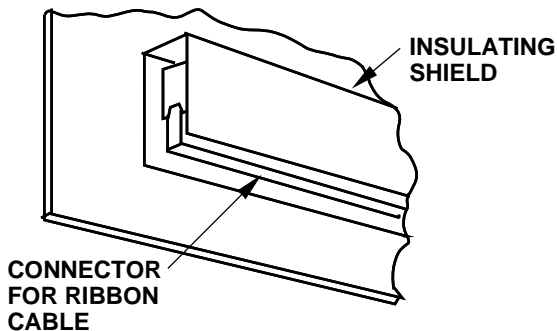
Part No. 46S02795-0010 34 position

Part No. 46S02795-0020 26 position

Part No. 46S02795-0030 20 position

For use with MicroTrac DSD Drive

**PARTIAL REAR DETAIL
(TYPICAL FOR ALL THREE)**



INTRODUCTION

The Terminal Transition Adapter PCBs allow the customer to make input and output wiring connections for the Local I/O boards without opening the MicroTrac DSD power cube. There are landings provided for customer wiring. Up to a single 16 AWG wire can be landed per termination point. The Terminal Transition Adapter PCBs come in different configurations to allow ribbon cables with different conductor counts (20, 26 or 34) to interface them to appropriate connectors on the Local I/O boards.

Each Local I/O board can be used with up to 2 or 3 Terminal Transition Adapter PCBs. They are designed for mounting on a panel near the MicroTrac DSD power cube; with the addition of a Transition Board Mounting Bracket (MagneTek part no. 43T00182-0000), up to the maximum 6 Terminal Transition Adapter PCBs can be mounted directly on the side of the power cube (see Figure 1).

INPUT/OUTPUT DESCRIPTIONS

The types of signals connected to each Terminal Transition Adapter PCB are dependent upon which Local I/O board it is connected to.

INSTALLATION AND HOOKUP

This board is factory installed on the drive and should require no further connections to be made to it. However, if it should become necessary to install the board in the field, then the following steps should be taken:

WARNING

HAZARDOUS VOLTAGES CAPABLE OF SEVERE INJURY OR DEATH MAY BE PRESENT WITHIN CABINET. BEFORE OPENING CABINET DOOR, DISCONNECT AND LOCK-OUT INCOMING POWER.

CAUTION

TO AVOID DAMAGE TO ELECTRONIC COMPONENTS, DO NOT MAKE ANY CONNECTIONS WITH POWER APPLIED. USE PROPER ELECTROSTATIC DISCHARGE (ESD) PROCEDURES WHEN HANDLING PRINTED CIRCUIT BOARDS.

1. Turn off incoming power.
2. Locate where this board is to be physically mounted. Refer to the System Schematic for the location. If the board is to be installed on the side of the power cube, but no bracket is present, use the appropriate (#6) hardware to attach the bracket to the power cube chassis.
3. If replacing an existing board, then disconnect all cables and wires to the board from their connectors. Then unmount the existing board.
4. Mount this board into its proper position.
5. Connect all of the cables and wires per the Interconnection Diagram..

Refer to the equipment Interconnection Diagram for detailed wiring information. Ensure that wire size and disconnect devices conform to the installation contractor's drawings and to all applicable codes. Observe the following:

- A. In long cable runs, take care to prevent excessive voltage drop.
- B. Separate the leads used for speed reference, feedback, and other low level signals from those used for the motor armature, field and AC power. Do not run these two groups in the same conduit or wire trough.
- C. Provide shielded and twisted leads as indicated on the schematic and Interconnection Diagrams. Connect all shields on shielded wire to system common (not ground) on one end only. Use Twisted shielded pair wire for long runs.

SETUP

There are no switches, jumpers, or potentiometers to set up.

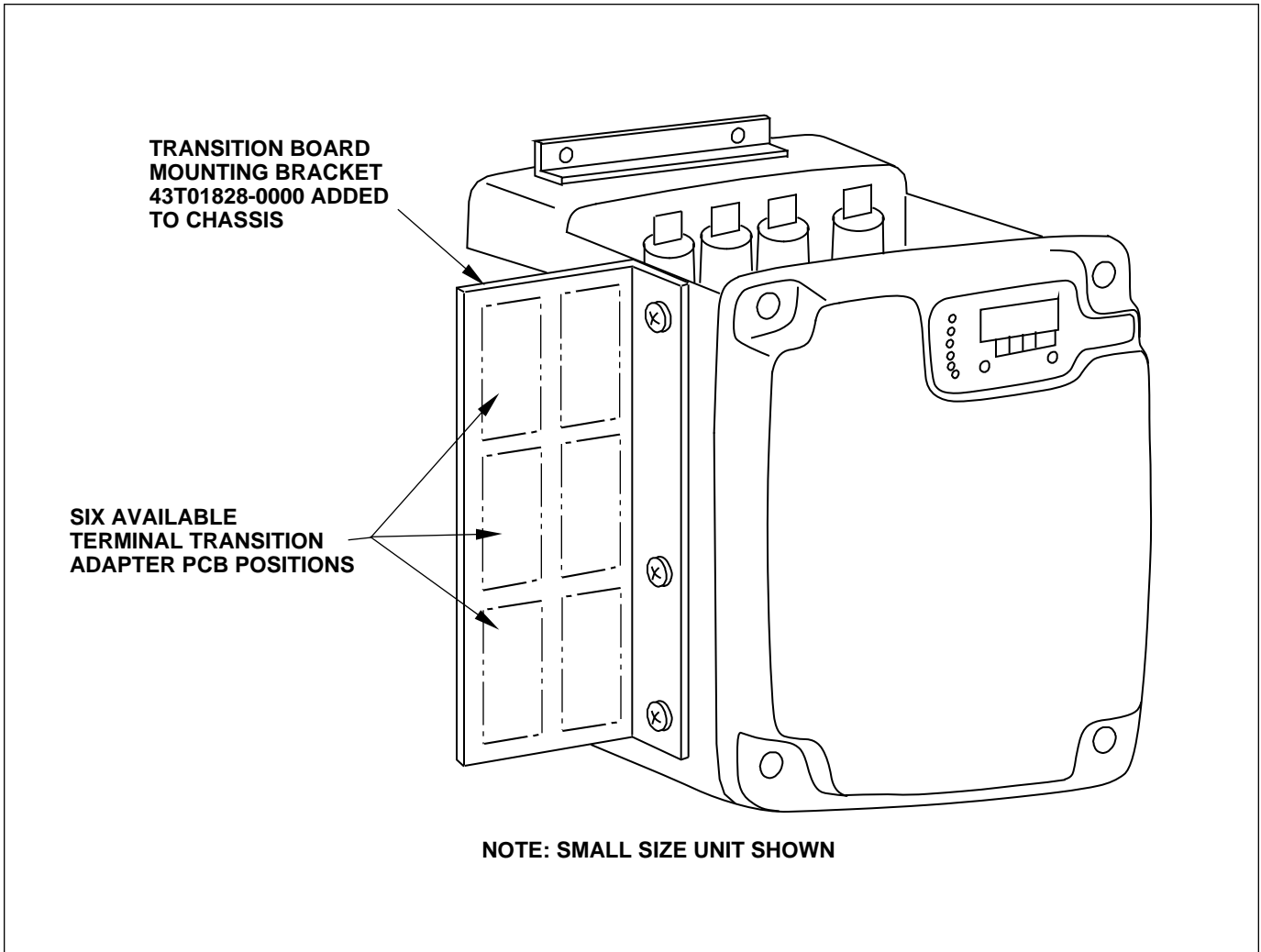


Figure 1. Alternate Mounting Location for Terminal Transition Adapter PCBs on the MicroTrac DSD Power Cube