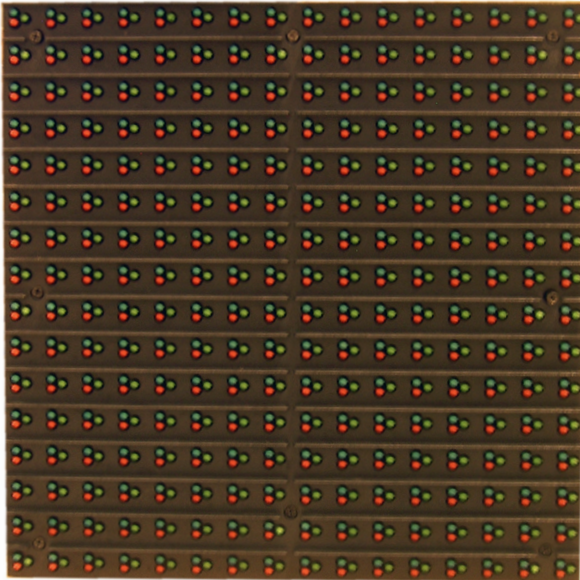


EzView Display Driver Board Replacement Instructions

These instructions describe how to remove and install display driver boards on EzView displays.

The eight DIP switches on a driver board are used to create an individual address for each driver board based on the board's position in the sign. **It is critical to have the correct DIP switch address; otherwise the driver board will display incorrect images.**

Front view of 16x16 driver board



Rear view of 16x16 driver board

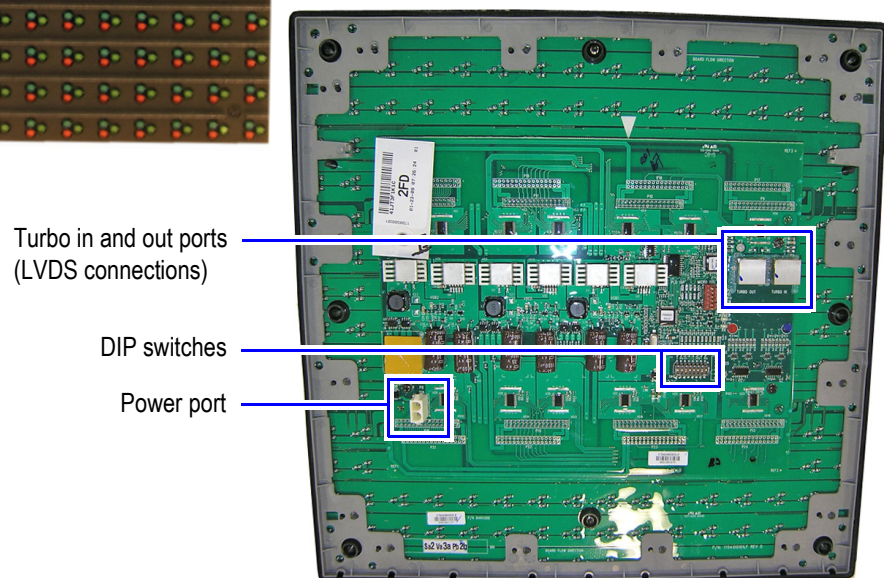


Figure 1: LED Display Driver Board.

Kit Contents

- Display Driver Board (quantity 1)
- Instructions

Tools required

- #2 phillips head screwdriver
- Colored piece of tape so you can mark the defective display board before removing power from the sign.

Remove the display driver board

WARNING! Hazardous voltage. Contact with high voltage may cause death or serious injury. Always remove power from the sign prior to servicing.

Notice: Do not hot-swap display driver boards; replacing driver boards when power is supplied may cause failures. Failures may occur immediately, be intermittent, or may show no symptoms until later.

→ Removing the display driver board

1. Use a piece of tape to mark the outside of the display board you are replacing, and then remove power from the sign at the dedicated circuit-breaker.

Notice: Do not attempt to remove screws from the driver board. Driver board circuitry may be damaged, affecting the return material testing procedures done at Adaptive.

2. Remove and unplug the driver board.

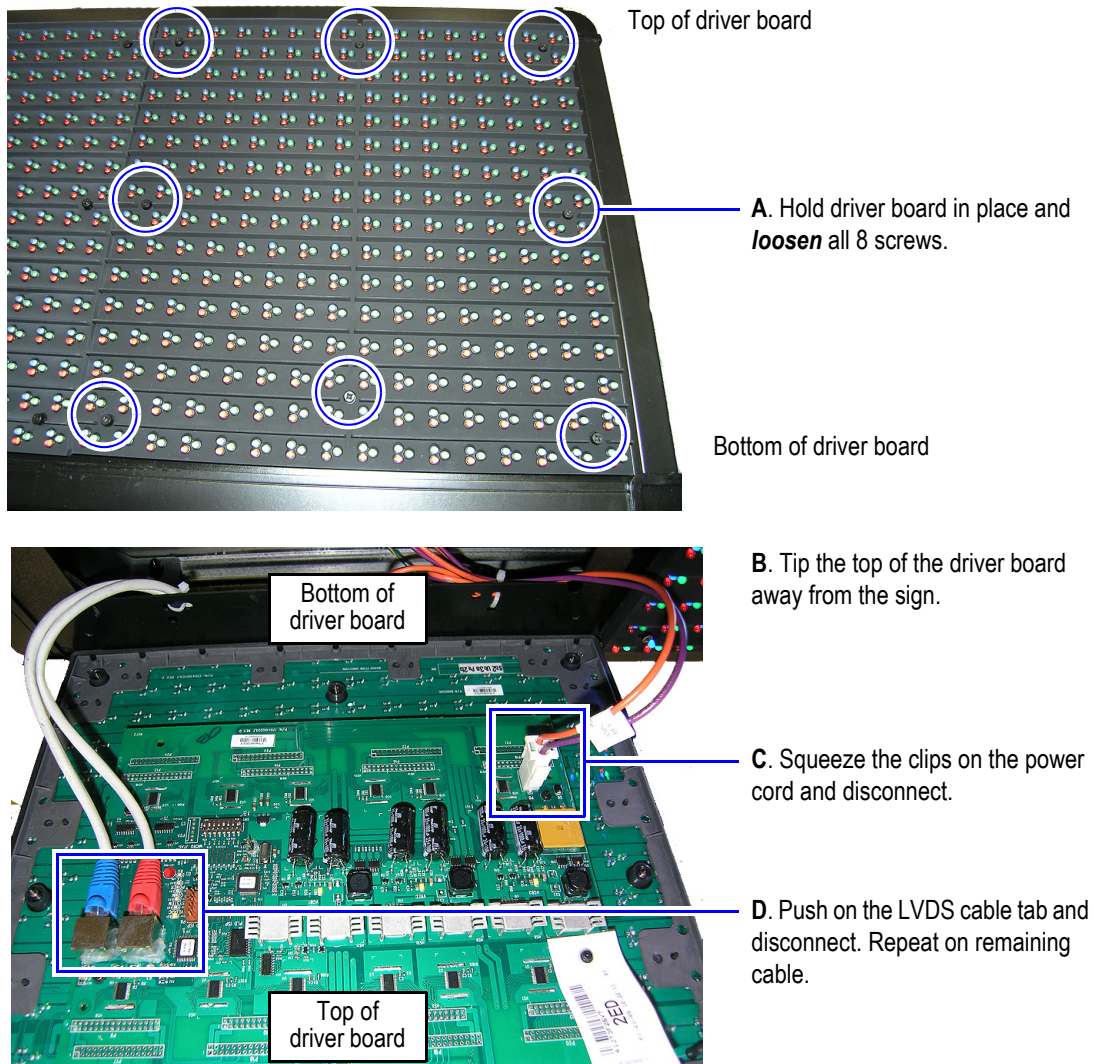


Figure 2: Removing the display driver board.

3. Take note of the dip switches on the defective driver board. The same settings must be used on the replacement driver board.

Install the display driver board

→ Installing the display driver board

1. Set the dip switches on the replacement board to match the board being replaced or refer to the “DIP switch setting guide” on page 4.
2. Position the driver board on the sign where it will be installed and tilt one side out and connect the display driver board’s power (first) and LVDS cables (second).

Note: When connecting cables, ensure they click into place for a secure connection.

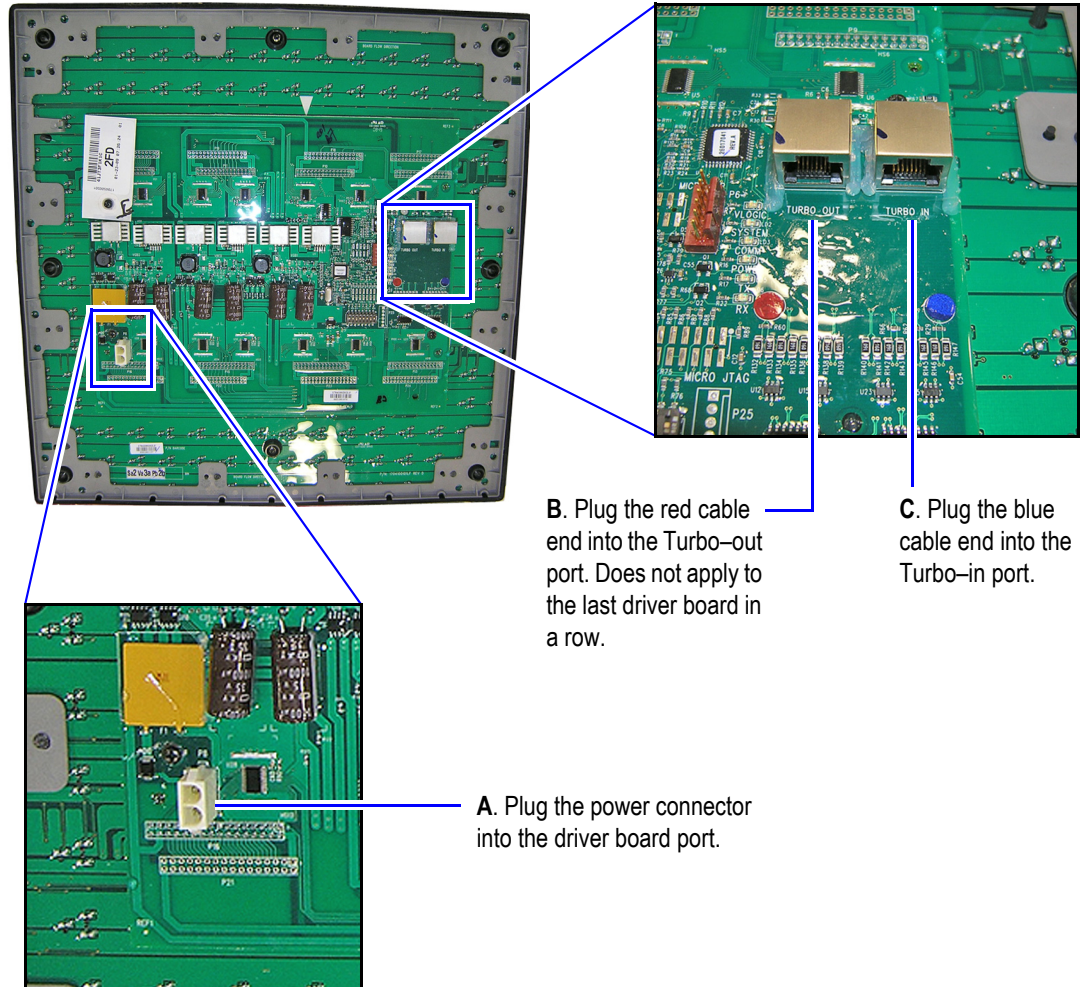


Figure 3: Connecting the driver board cables

Notice: Do not use a drill/driver to secure the display driver board to the sign. Damage to the threads may occur affecting the weather-tight seal between the driver board and sign.

3. Use a phillips screwdriver and secure (hand-tighten only) the display driver board to the sign.
4. If applicable, repeat the replacement procedure.
5. Apply power to the sign. Confirm the correct image appears on the replacement display board.

DIP switch setting guide

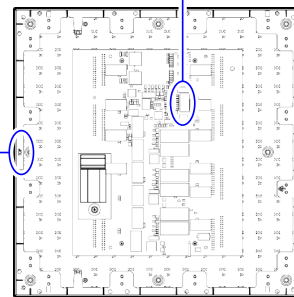
The following chart is used for all EzView sign sizes.

		SIGN COLUMN (C) in pixels										
		16	32	48	64	80	96	112	128	144	160	176
SIGN ROW (R) in pixels	16	2,5 R1 - C1	2,6 R1 - C2	2,5,6 R1 - C3	2,7 R1 - C4	2,5,7 R1 - C5	2,6,7 R1 - C6	2,5,6,7 R1 - C7	2,8 R1 - C8	2,5,8 R1 - C9	2,6,8 R1 - C10	2,5,6,8 R1 - C11
	32	3,5 R2 - C1	3,6 R2 - C2	3,5,6 R2 - C3	3,7 R2 - C4	3,5,7 R2 - C5	3,6,7 R2 - C6	3,5,6,7 R2 - C7	3,8 R2 - C8	3,5,8 R2 - C9	3,6,8 R2 - C10	3,5,6,8 R2 - C11
	48	2,3,5 R3 - C1	2,3,6 R3 - C2	2,3,5,6 R3 - C3	2,3,7 R3 - C4	2,3,5,7 R3 - C5	2,3,6,7 R3 - C6	2,3,5,6,7 R3 - C7	2,3,8 R3 - C8	2,3,5,8 R3 - C9	2,3,6,8 R3 - C10	2,3,5,6,8 R3 - C11
	64	4,5 R4 - C1	4,6 R4 - C2	4,5,6 R4 - C3	4,7 R4 - C4	4,5,7 R4 - C5	4,6,7 R4 - C6	4,5,6,7 R4 - C7	4,8 R4 - C8	4,5,8 R4 - C9	4,6,8 R4 - C10	4,5,6,8 R4 - C11

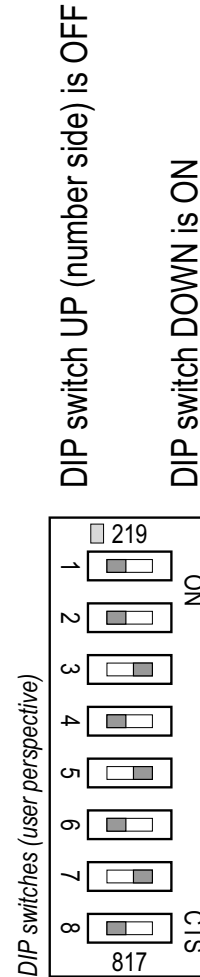
Top left-most driver board in an EzView sign

Master sign shown (for Slave signs all display boards will also have DIP switch 1 ON)

TOP



Rear view of a display board (16 x 16 pixels)



EXAMPLE:

3,5,7
R2 - C5

With DIP switch 3, 5, and 7 ON the display board must be positioned in Row 2, Column 5 (R2 - C5) of a master sign.