

Flat Border

Tools

Tool	Tool Usage
Flat-head bit or screwdriver	Removes top alignment pins
3 mm hex key (Daktronics part number TH-5406561)	Removes Top and Left side stitch bolt hardware Attaches borders
3 mm hex bit (TH-5406562)	Attaches borders

Part Identification

There are six different border sizes for the NPN-6600 display series: one-, two-, three-, and four-panel-high borders and one- and two-panel-wide borders. The part numbers are etched into the metal on each border for identification purposes. Refer to the bill of materials for part numbers and to **Figure 1** for a visual.



Figure 1: Flat Border

Border Installation

Borders are attached either before the display is mounted to the structure or after if site conditions allow for tool clearance around the mounted display. If the borders must be installed before the sections, only one-panel-high (0M-4804541) and two-panel-wide (0M-4804551) borders are available. Borders longer than one panel high must be installed after the display sections are mounted to the structure.

- 1. Remove the borders from its packaging.

**Note:** Be careful when handling the borders, do not set them onto rough surfaces to avoid scratching the paint.

- 2. Remove the top alignment pins from the top row of panels. Remove the M5 stitch bolt hardware on the top row and left-most side of the display. This hardware must be removed before final tile installation. Refer to **Figure 2**.
- 3. Select the correct border size according to the Shop Drawing.
- 4. Use a clean rag to wipe off the perimeter of the panel receiving the border.
- 5. Bring the border into position. The holes should be oriented toward the front of the display to align with the threaded holes in the panels. Refer to **Figure 3** and **Figure 5**.

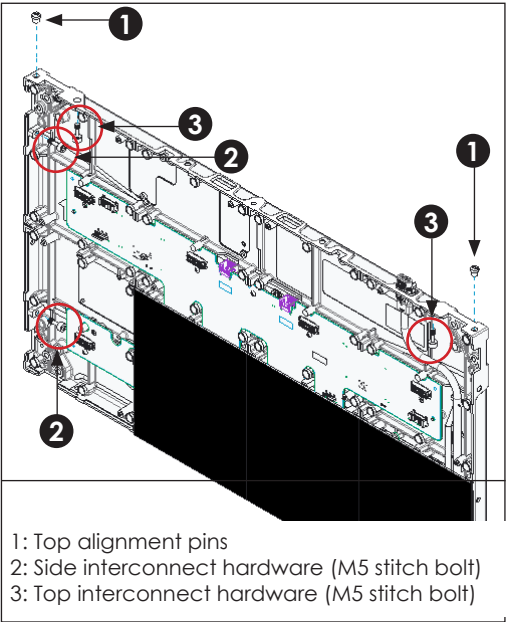


Figure 2: Prepare Panels

- 6. Proceed to **Step 6a** for clean look borders and **Step 6b** for flat borders

Clean Look Borders (Preferred Method)

- 6a. Use a  $\frac{5}{16}$ " socket to attach the #6 nuts (HC-1238) to the studs on the borders, fastening the border to the panel perimeter on all available studs on the border. Refer to **Figure 3** and **Figure 4**.

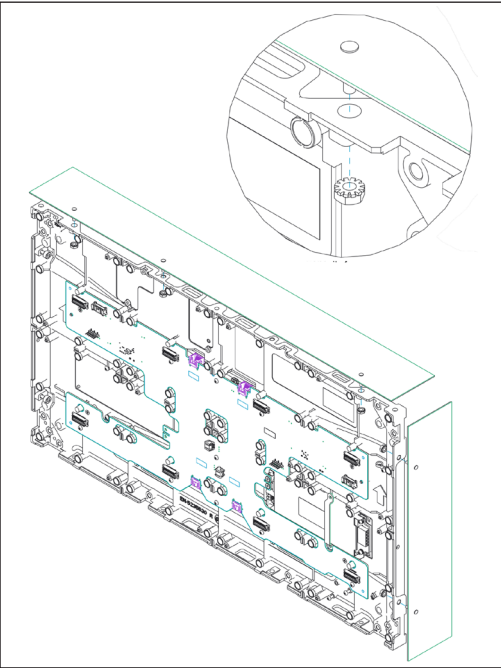


Figure 3: Position Clean Look Border

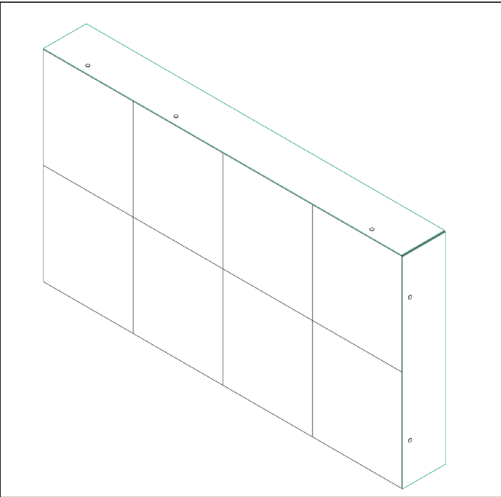


Figure 4: Attached Flat Border

Flat Borders (Alternate Method)

- 6b. Use a 3 mm hex key (TH-5406561) or 3 mm hex bit (TH-5406562) to attach the M5-0.8 x 12 mm machine screws (HC-5402741), fastening the border to the panel perimeter in all pre-punched hole locations on the border. Each panel has threaded holes for borders on all four sides. Refer to **Figure 5** and **Figure 6**.

**Note:** When unthreading the stitch screw, push on the end of the screw with the 3mm hex key while turning.

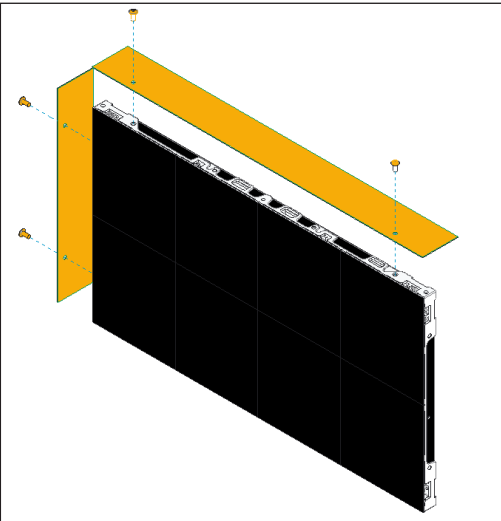


Figure 5: Position Flat Border

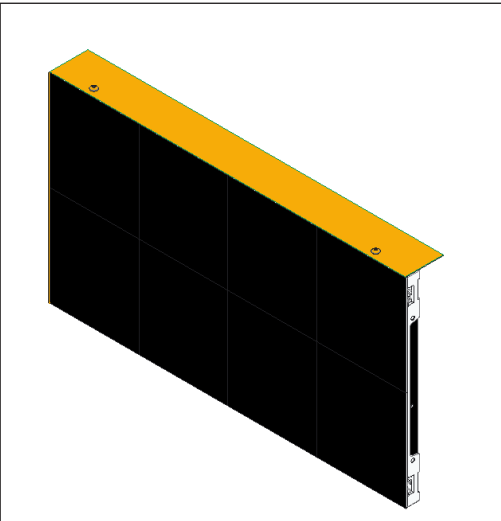


Figure 6: Attached Flat Border