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DAKTRONICS

RTN-3020 Series Border Installation Quick Guide

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Tools

Part	Part Description
5/16″ Nutdriver or bit (Daktronics part number TH-1156) or 8 mm nutdriver or bit	Attaches borders
Cordless screw gun	Attaches borders to sections
Crane or lift	Lifts sections from crates and holds sections for border attachment

Part Identification

3.9 mm & 5.9 mm Pixel Pitch

There are two flat side border sizes for the 3.9 mm & 5.9 mm RTN-3020 display series:

- 2-High (Daktronics part number 0M-5219703)
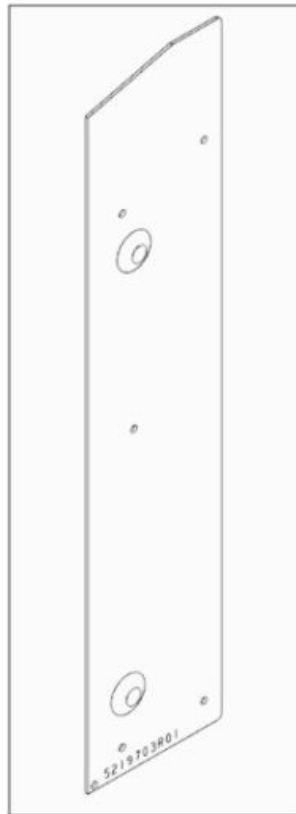- 3-High (0M-5219701)
- 4-High (0M-5556965)
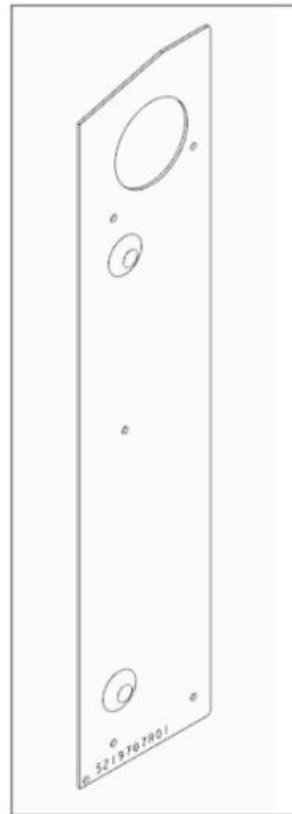

Figure 1: Flat Side Border   **Figure 2:** Transition Border

Refer to Figure 1.

There are two transition border sizes for the 3.9 mm & 5.9 mm RTN-3020 display series:

- 2-High (0M-5219707)
- 3-High (0M-5219705)
- 4-High (0M-5556967)

Refer to Figure 2.

10 mm Pixel Pitch

There are two flat side border sizes for the 10 mm RTN-3020 display series:

- 2-High (0M-5569440)
- 3-High (0M-5569438)

- 4-High (0M-5569442)

Refer to Figure 1.

There are two transition border sizes for the 10 mm RTN-3020 display series:

- 2-High (0M-5569446)
- 3-High (0M-5569444)
- 4-High (0M-5569448)

Refer to Figure 2.

Part numbers are etched into the metal on each border for identification purposes.

Border Installation

Flat side borders can be installed before or after display sections are mounted to the structure. Transition borders are used when there is a gap between display sections. Transition borders must be installed prior to installing any adjacent display sections.

1. Select the correct border size to match the display section size.
2. Use a clean rag to wipe off the perimeter of the cabinet receiving the border.
3. Bring the border into position. The formed offset feature should be positioned to fit over the protruding alignment cone. Refer to Figure 3.
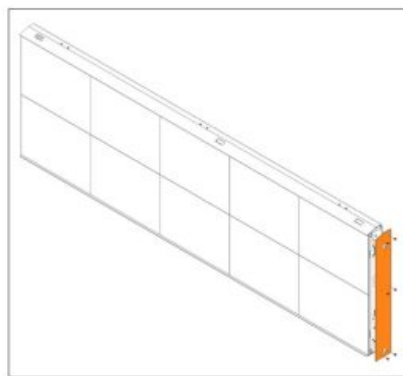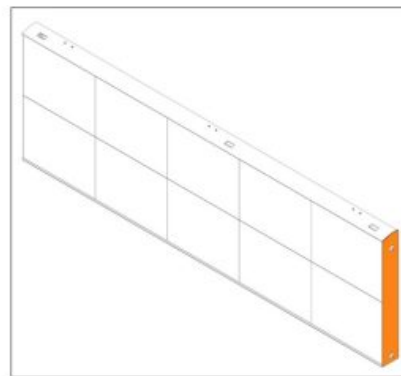

Figure 3: Install Border

Figure 4: Border Installed

4. Ensure the pre-punched holes in the border align with the pilot holes in the section perimeter. With the holes aligned, use #10-16 x 0.375″ tap screws (Daktronics part number HC-1186) to fasten the border to the section perimeter in all pre-punched hole locations in the border. Refer to Figure 4 for the finished appearance.
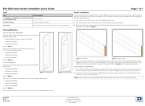
Corner/Gap Consideration

1. Cut a notch in both ends of a flexible tube (EC-1252). Ensure enough of a notch is cut in each end to avoid the hat channel in each cabinet and for the ribs on the tube to engage the cabinet pass-through holes.
2. Use the tube to cover any exposed cabling between corners or gaps. Refer to the contract-specific Shop Drawing for corner or gap locations.

Note: Ensure at least 2″ of the tube extends into each cabinet and the notch on the tube faces down.

Documents / Resources

	[DAKTRONICS RTN-3020 Series Border](#) [[pdf](#)] User Guide 3.9 mm 5.9 mm, 10 mm, RTN-3020 Series Border, RTN-3020 Series, Border

References

- [User Manual](#)

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