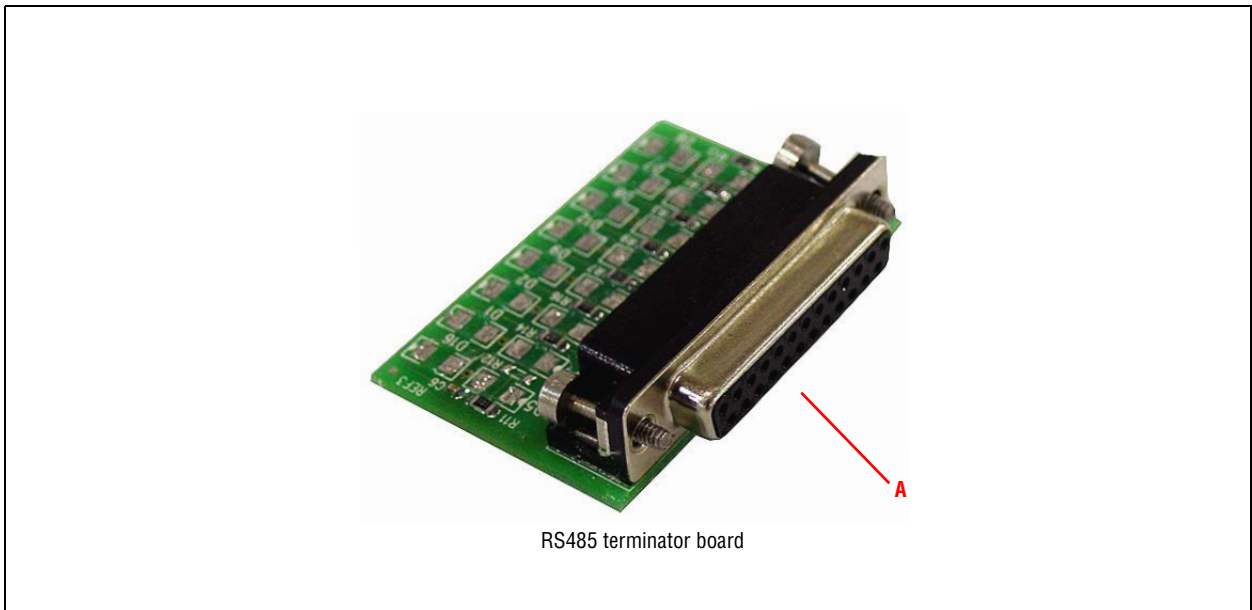


RS485 Terminator Board (pn 1180-9021SP)

1.1 Description

Each row in a sign is a branch of this RS485 network and must be terminated. (The sign's controller board is the other end of this network and is already terminated.) To terminate a sign row, an RS485 terminator board must be plugged into the OUTPUT connector of the left most (as you are facing the sign) turbo adapter board in each row.



RS485 terminator board

Item	PCB Label	Description
A	P1	Terminator board plugs into the OUTPUT connector of the left most (as you are facing the sign) turbo adapter board in each row.

1.2 Sign identification

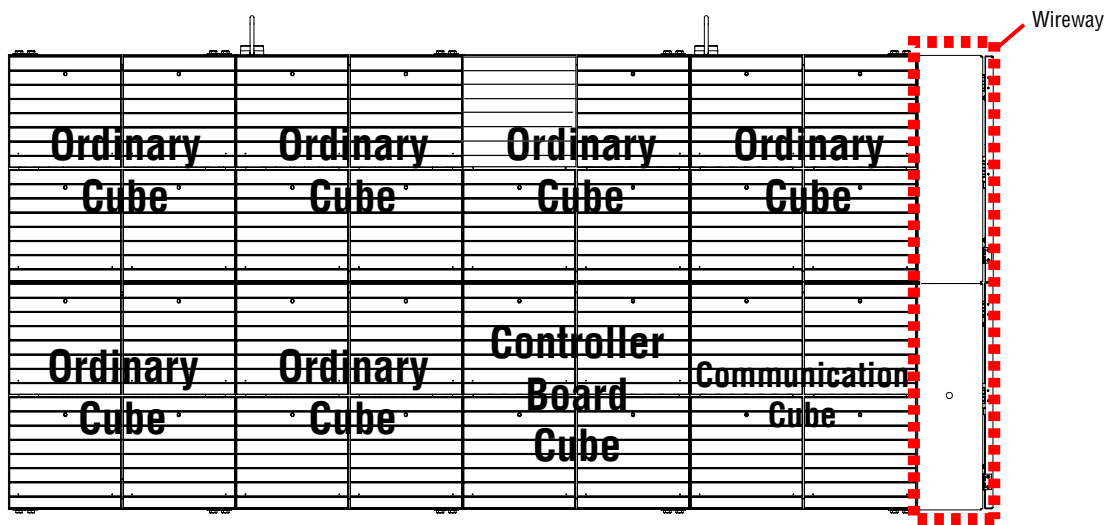
The RS485 terminator board is used in both the AlphaEclipse 3600 and the AlphaEclipse StreetSmart signs.

This is how to identify which type of sign you have:

- The AlphaEclipse 3600 sign(See “AlphaEclipse 3600 installation instructions” on page 5) has a wireway on either the right or left side of the sign.

NOTE: AlphaEclipse 3600 signs with a wireway on the left side use a different terminator board (pn 1180-9040 SP).


- The AlphaEclipse StreetSmart sign (See “AlphaEclipse StreetSmart installation instructions” on page 3) has no wireway.



AlphaEclipse 3600 sign

1.3 AlphaEclipse StreetSmart installation instructions

1 Remove power from the sign.



WARNING
Hazardous voltage.
Contact with high voltage may cause death or serious injury.
Always disconnect power to unit prior to servicing. SM1000A

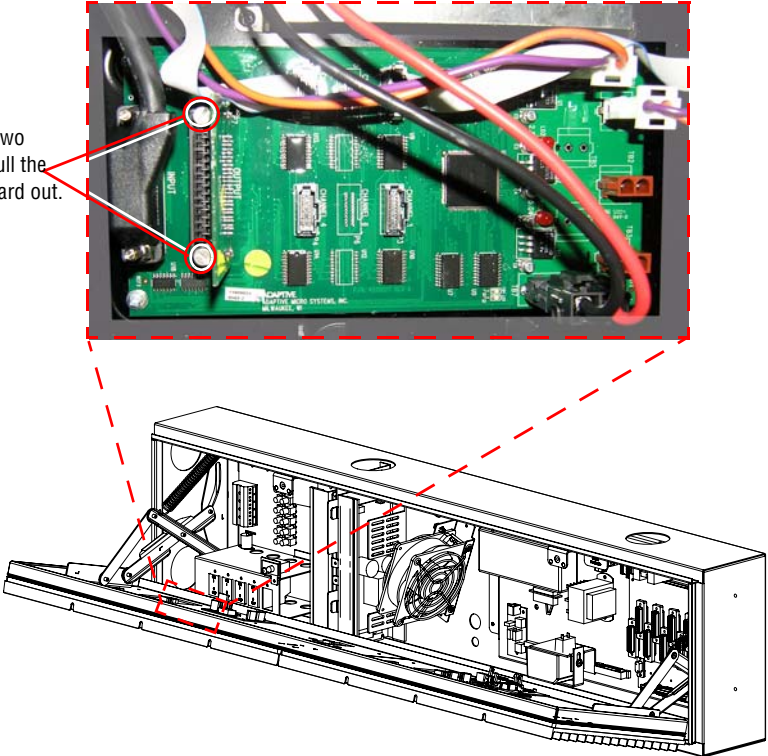
2 Locate the section door that contains the current RS485 terminator board(s), if any, and open the door.

Loosen the screws to open the section door.

The termination board is always on the left most section of each row, while you face the sign.

35X and 17X style sign

35M and 35V style sign

3	Remove the existing RS485 terminator board, if any, and install the new terminator board.
<p data-bbox="391 363 574 443">Unscrew the two screws and pull the terminator board out.</p> 	
4	Close the section door.
5	Apply power to the sign.

1.4 AlphaEclipse 3600 installation instructions

1

Remove power from the sign.

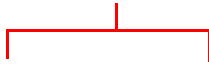
⚠ WARNING

Hazardous voltage.
Contact with high voltage may cause death or serious injury.
Always disconnect power to unit prior to servicing. SM1000A

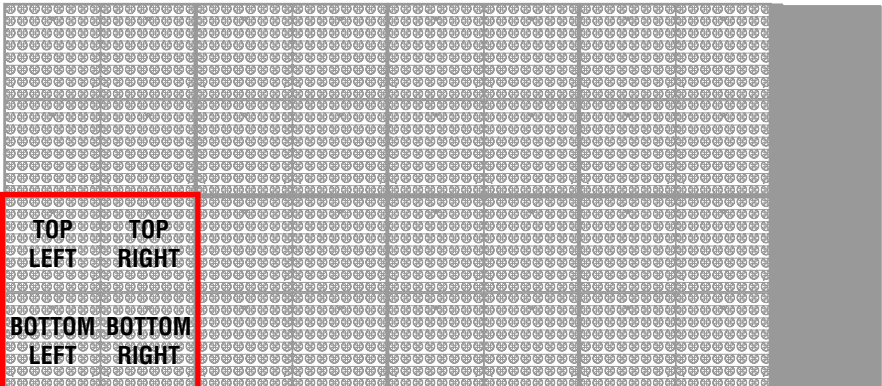
2

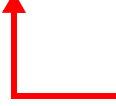
Locate the cube(s) that contains the current RS485 terminator board(s), if any.

The *left most* cube of each sign row has a RS485 terminator.



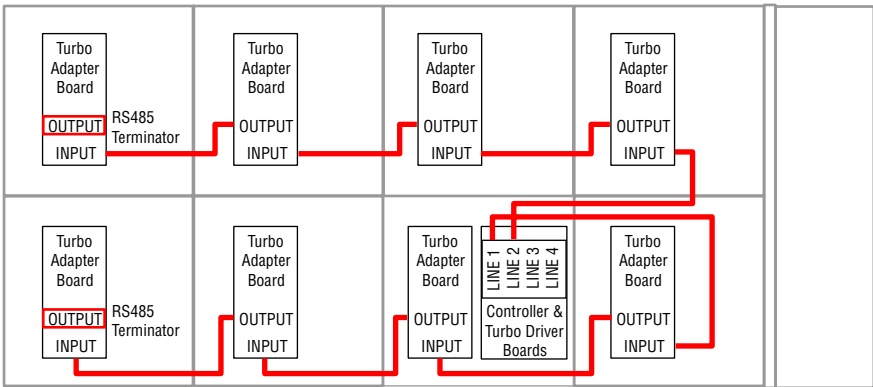
Outside view





Each cube is 16 x 16 pixels and has 4 LED boards, named as shown.

Inside view



3 Remove the bottom left LED driver board from the left most cube(s).

To remove an LED driver board:

- Insert a 5/32-inch hex tool (right) into the latch at the upper center of each board.
- Turn the hex tool counterclockwise.
- Lift the board up and then pull it back.
- Remove the data and power connectors from the back of the LED driver board.

NOTE: Each LED driver board must be put back in its *original* location. LED driver boards are not interchangeable.

4 Remove the existing RS485 terminator board, if any, and install the new terminator board.

RS485 terminator

Tighten screws on terminator board.

5**Reattach the LED driver board(s) to the front of the sign.**

To reattach an LED driver board:

NOTE: *Remember to put the each LED driver board back where it was originally.*

- Place the bottom of the LED driver board in the cube opening so that the board can swing freely.
- Reattach the data and power cables.
- Press down on the LED driver board and swing the board up into the cube until it snaps in place.
- Insert a 5/32-inch hex tool into the latch at the upper center of the board.
- Turn the hex tool clockwise.

6**Apply power to the sign.**

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October 6, 2005

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