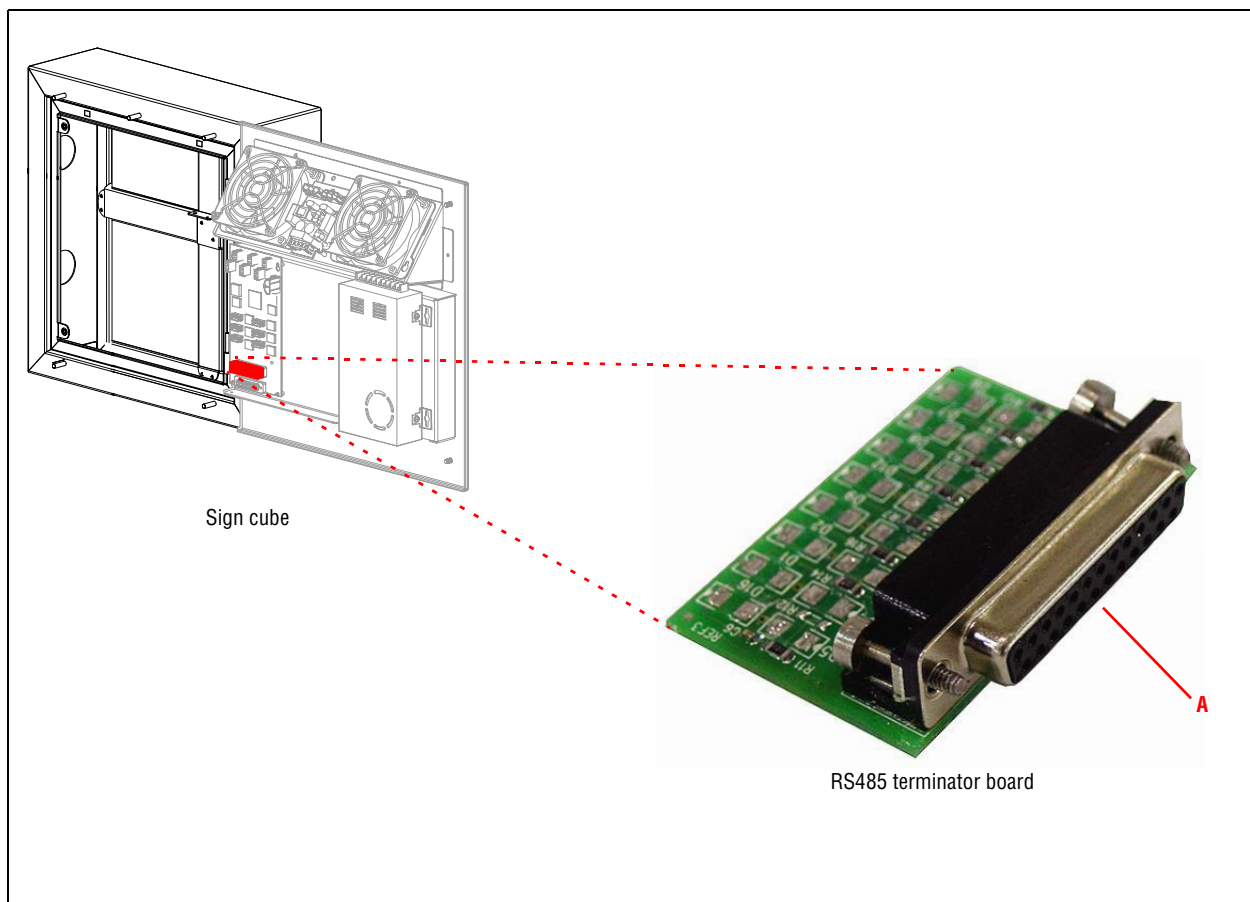


RS485 Terminator Board (pn 1180-9021SP)

1.1 Description


Each cube in a sign is connected together in an RS485 network. 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.



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 Installation

1 Remove power from the sign.

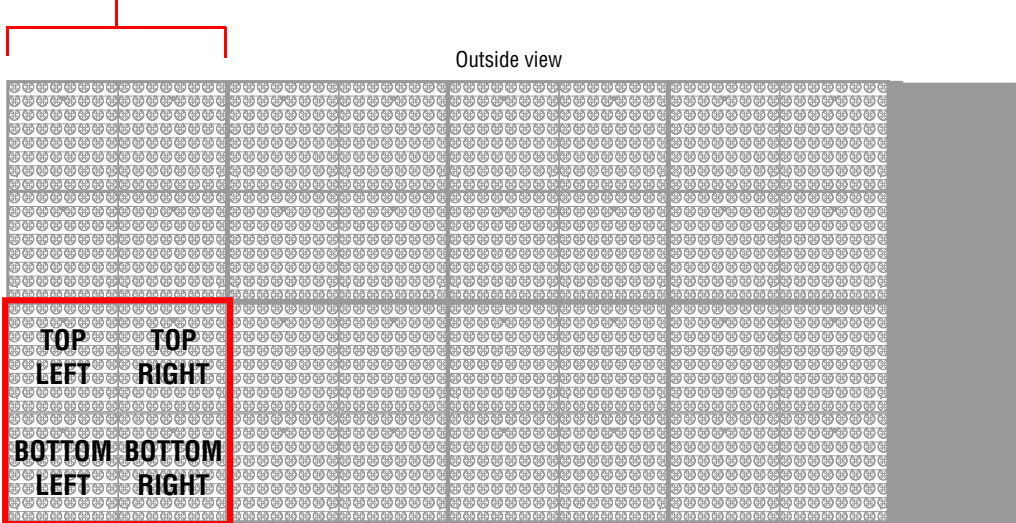


⚠ WARNING
Hazardous voltage.
 Contact with high voltage may cause death or serious injury.
 Always disconnect power to unit prior to servicing. SM1000A

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

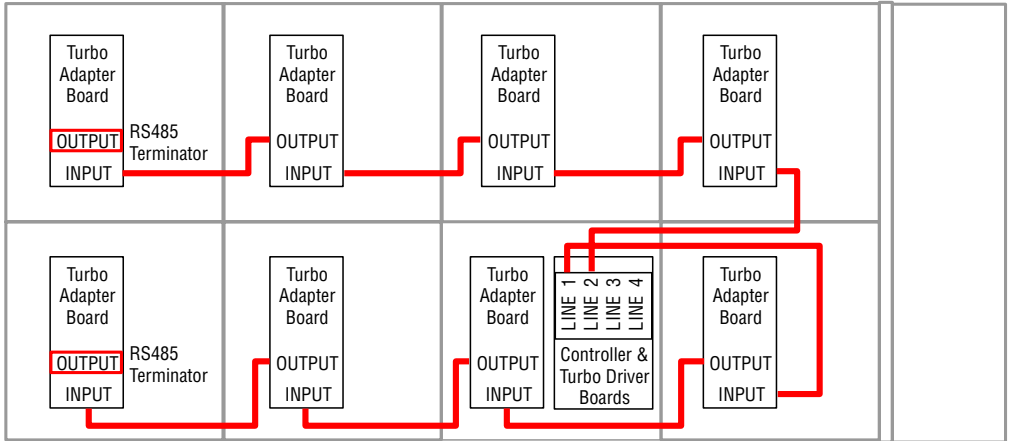
The left most cube of each sign row has a RS485 terminator.

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.**

ADAPTIVE[®]
Adaptive Micro Systems LLC



© Copyright 2003 Adaptive Micro Systems, LLC. All rights reserved.

Adaptive Micro Systems • 7840 North 86th Street • Milwaukee, WI 53224 USA • 414-357-2020 • 414-357-2029 (fax) • <http://www.adaptivedisplays.com>

Trademarked names appear throughout this document. Rather than list the names and entities that own the trademarks or insert a trademark symbol with each mention of the trademarked name, the publisher states that it is using names for editorial purposes and to the benefit of the trademark owner with no intention of improperly using the trademark.

The following are trademarks of Adaptive Micro Systems: Adaptive, Alpha, AlphaLert, AlphaNET, AlphaNet plus, AlphaEclipse, AlphaPremiere, AlphaTicker, AlphaVision, AlphaVision InfoTracker, Automode, BetaBrite, BetaBrite Director, BetaBrite Messaging Software, Big Dot, Director, EZ KEY II, EZ95, PagerNET, PPD, PrintPak, Serial Clock, Smart Alec, Solar, TimeNet. The distinctive trade dress of this product is a trademark claimed by Adaptive Micro Systems, LLC.

Due to continuing product innovation, specifications in this manual are subject to change without notice.

December 9, 2003

9711-8015