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<b>PRIORITY:</b>	High
<b>DATE:</b>	January 3, 2007
<b>TITLE:</b>	Swapping Board Level Components on Outdoor Signs
<b>ECO REFERENCE:</b>	n/a
<b>PRODUCT(S) AFFECTED:</b>	AlphaEclipse 3600, Excite, Infinity, RoadStar, and StreetSmart signs.
<b>SUMMARY:</b>	Board level components are not to be hot-swapped. Follow these instructions to swap board level components.

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## Overview

Hot-swapping board level sign components can cause failures. These failures may occur immediately, be intermittent, or may show no symptoms until later.

Only swap board level components with the power to the sign disconnected and follow the instructions in this document. If you need to troubleshoot components, contact Adaptive Micro Systems Technical Services at 414-357-2020 extension 519 during business hours.

## Replacing Board Level Sign Components

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

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### Preventing electrostatic discharge damage

Signs contain components that may be damaged by static electricity or electrostatic discharge. To prevent this from happening, follow the guidelines in Adaptive Tech Memo 00-0005, "[Preventing Electrostatic Discharge \(ESD\) Damage.](#)"

### To swap board level components:

1. Disconnect power from the sign. Disconnecting power on a row or section is insufficient, you must disconnect power from the entire sign.
2. Remove the component:
  - Disconnect the data connection(s) to the board first.
  - Disconnect the power to the board last.
3. Install the component:
  - Connect the power to the board first.
  - Connect the data connection(s) last.

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