

# Avolites Ltd. Engineering Change Notice

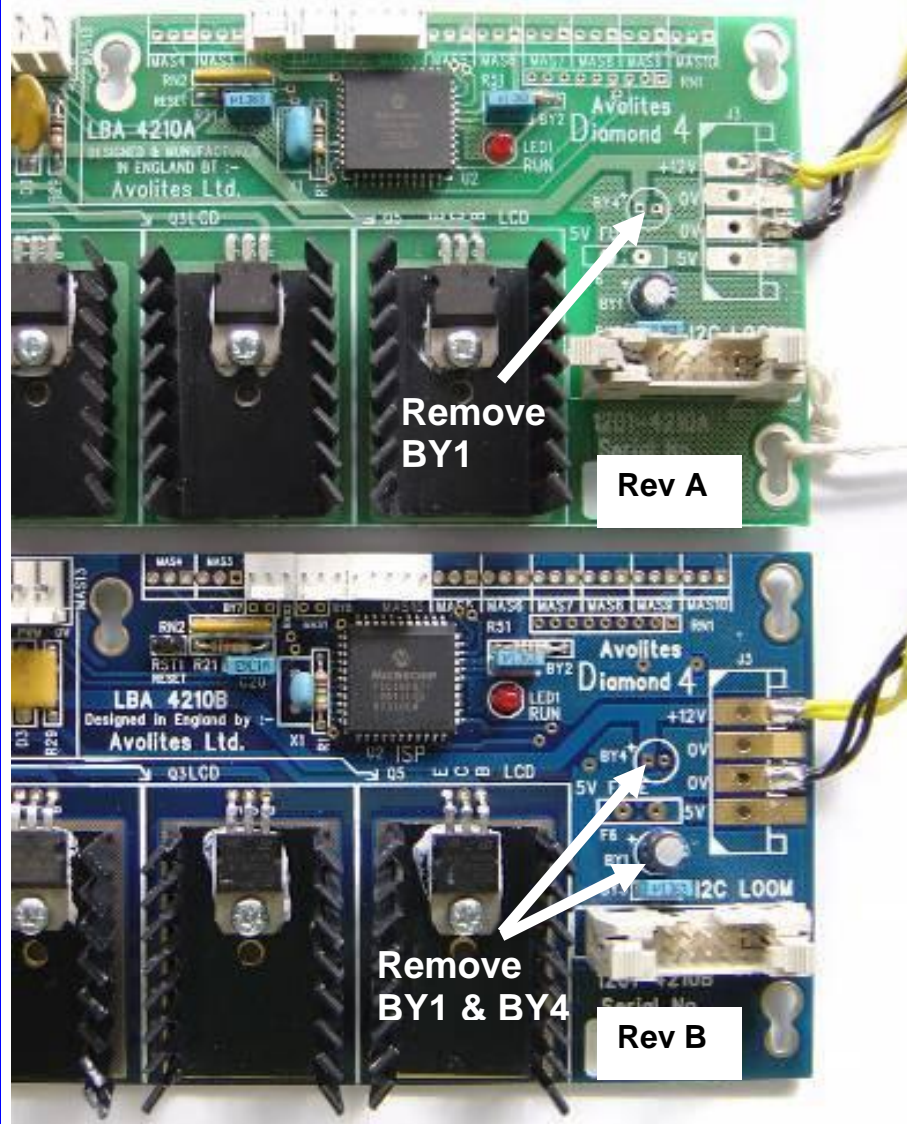
<b>Title</b>	Diamond 4 LBA modifications
<b>ECN Number</b>	ECN-0158
<b>Equipment</b>	Diamond 4 Vision and Elite
<b>Author</b>	Adam Proffitt and Robert Henry
<b>Date</b>	31/03/05

<b>Reason for ECN</b>	Occasional noise from screen brightness control potentiometer - can be detected from usb panel packet counter. Problem affects playback faders
<b>Special Parts required</b>	None
<b>Special Tools required</b>	None

## Work Required

**LBA Revision A (Green board) and Revision B (Blue board)**

**Note:** These boards already have 2x10nF capacitors fitted between pins 2&3 of MAS1 and MAS2 (as shown in solder side of photo below).



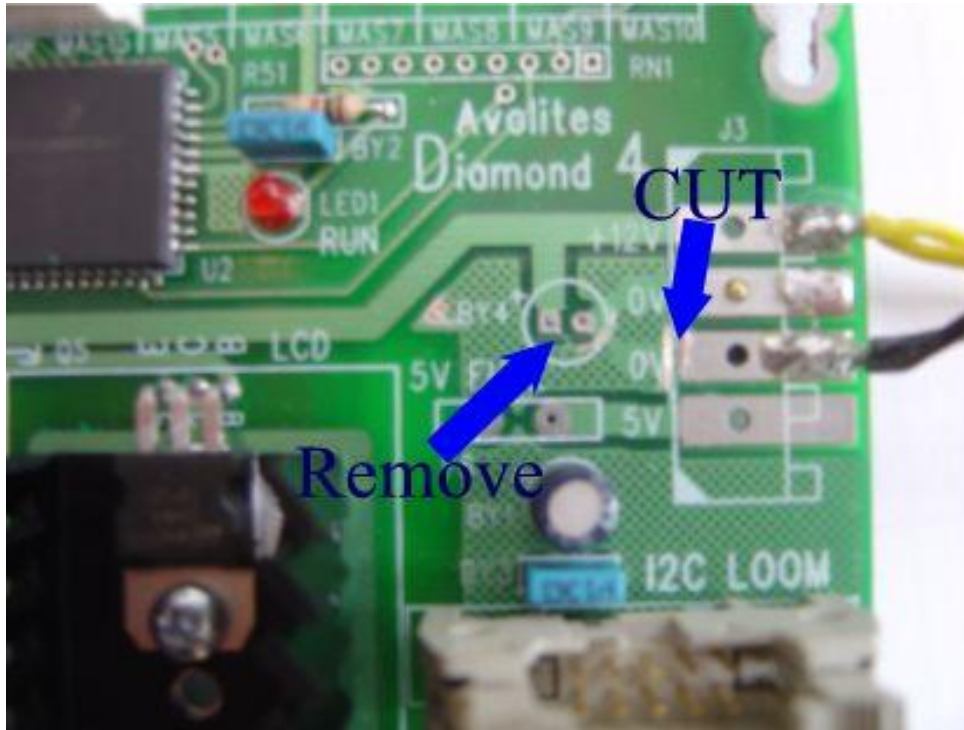
**Note:** Revision B boards Do not require any modifications except for the removal of BY1&4.

## Avolites Ltd. Engineering Change Notice

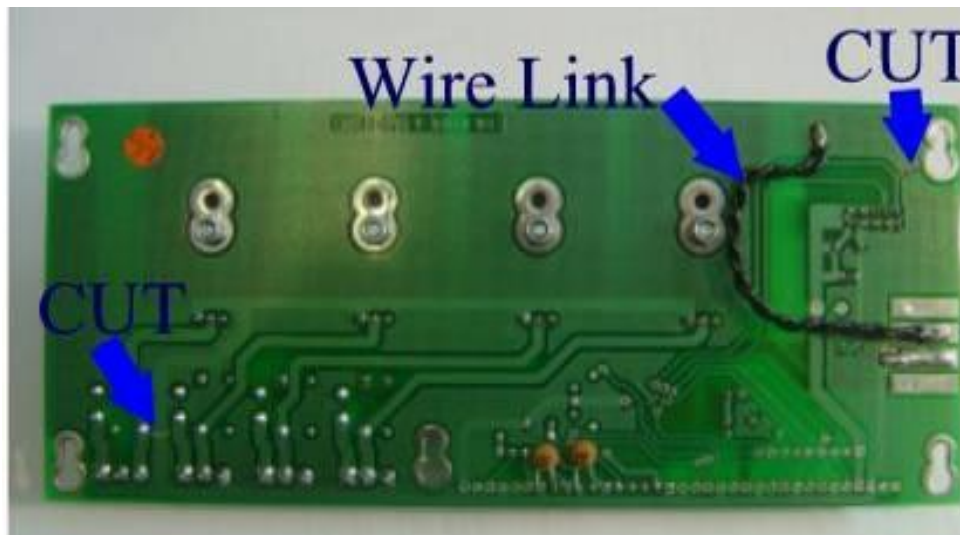
### LBA Revision A Board Modifications

The modifications separate the 0V supply for the dimmed outputs from the 0V supply which is fed from the 10way IDC connector.

1. Cut track near 0V supply cable on component side of board.
2. Remove capacitor BY4.



3. Cut 2 tracks on solder side of board.
4. Scrape the surface of the 0V plane and add 2x16x0.2mm link wires (twisted together) from 0V supply to 0V plane as shown in photo overleaf.



5. Solder the supply cables (yellow and black) as shown in top photo. Note that the 0V supply cable is on the pad directly above the wire link.