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Echelon Transistor Dissipation

The thermal dissipation in transistor Q3 on the main CPU board has been found to vary significantly, dependant upon its manufactured gain. Failure of this transistor will result in the main LCD becoming completely black and therefore unreadable. This tech note describes a modification to reduce the transistor dissipation in low gain transistors and improve console reliability.

Echelon consoles with serial numbers up to and including J98xxx are effected.

Parts Required

One x 220R 1206 SMD or 0.25W through-hole resistor

Procedure

1. Save any show information
2. Switch off the console
3. Remove the base
4. Locate and remove resistor R61 near the power inlet connector on the CPU card. Refer to the diagram.
5. Solder the new resistor in location R61
6. Check for correct operation
7. Replace base

