

Service Note		
Product	Description:	Service note no.
M5000	How to check back-up battery	712 10 T061

This check may be done when customer claim that the M5000 is writing **SERIAL NUMBER INFORMATION MISMATCH** in the LCD-Display.

To check the battery back-up voltages you have to measure the voltages on the +pole at the battery, it has to be +3.2V +/- 0.1V. If lower, the reason might be that there is drawn to much current from the battery. You can check the current drawn from the battery, by measuring the voltage across resistor R6. The voltages should be > -10mV (typ. -2mV). See fig. 1.

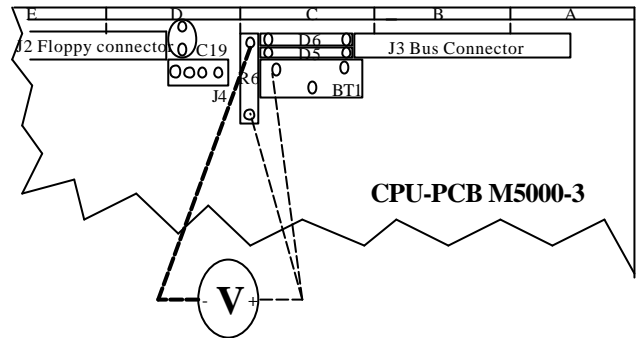


fig. 1

Trouble Shooting

If the voltages checked above aren't correct there are only a few components you have to check.

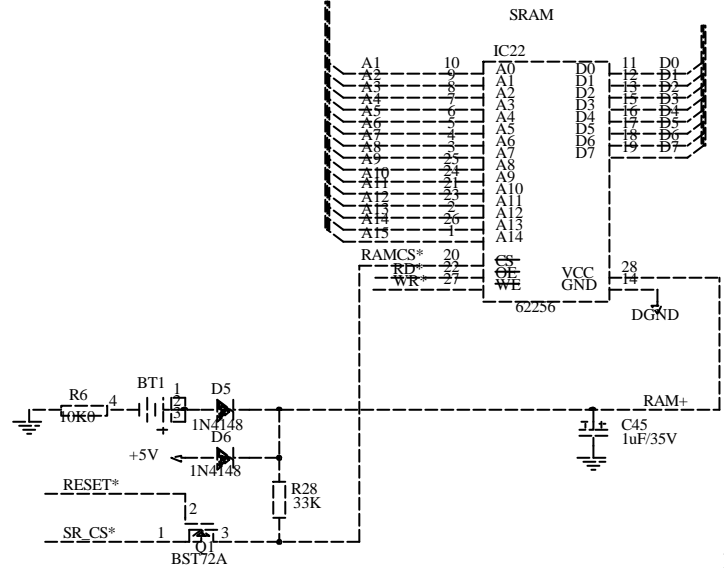


fig. 2

Take a look at the diagram fig. 2 this is an extract of the diagram for the CPU-PCB. These components on fig. 2 are the only components connected to the battery back-up. So the error has to be with in these eight components.