



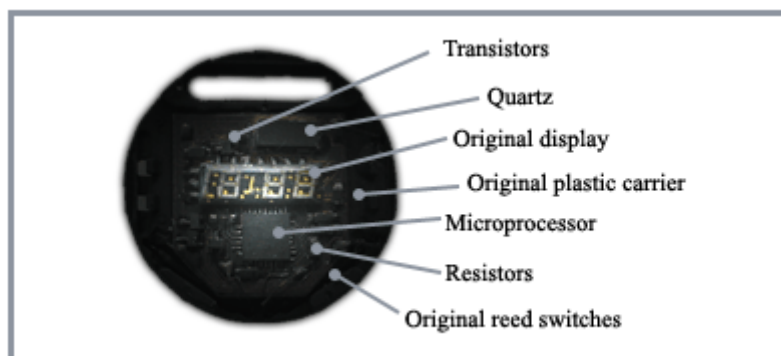
# 1. General description

The SASM20 module is the second LED watch module, which has been developed, produced and sold in an unknown (small) quantity in early 2006. The SASM20 has been a replacement for original Pulsar P3 and Date II modules. For the first time the original dot - display was swapped from Pulsar P2, P3 or Date II non - workers to give the new module a more original appearance

A SASM20 has a relatively small microprocessor in comparison to SASM modules of a newer construction (except for the SASM3X series). You can find a few resistors which are placed at the lower right of the IC. In addition an SMD quartz crystal has been used at the upper right, which was directly soldered on the circuit.

The module keeps excellent time and has little to no defects. The assembly was quite time consuming due to a disadvantageous placement of the components. Moreover the SASM20 had a design fault: Because of difficulties with both the current supply and the frequency of the microprocessor the cells quickly drained, so that the watch could not be operated more than six weeks without battery exchange.

# 2. The assembled module



### **3. Warranty**

Owner of SASM20 movements have the unlimited right to change their module against any module of the SASM2X series, no matter when the module was bought or who initially ordered the module.

### **4. Software update**

There is neither an update available nor will StrikesAndSpares Semiconductor offer new software releases for SASM20 movements in the future.