

This modification to the Casio PRO-101 replaces the TC5006P RAM ICs with an RP2040 microcontroller. The TC5006P devices are used to store the program steps of the calculator. They are low power devices and can be powered by three button cells when the main circuitry of the calculator is powered off. This provides the continuous memory function of the PRO-101.

The RP2040 is a dual core ARM based microcontroller. It is not a low power device so storage of program steps cannot be done using the three button cells as the original circuitry did.