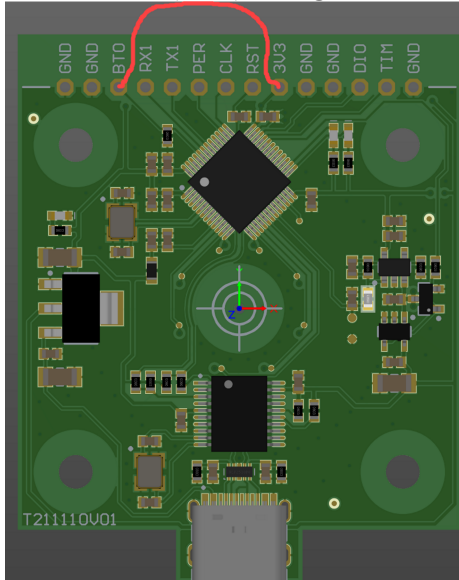


Programming using serial bootloader

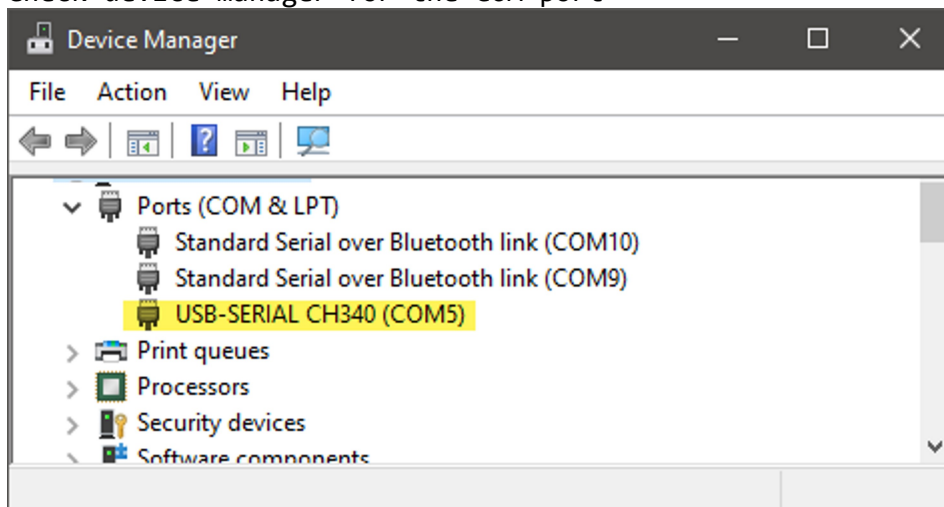
maandag 13 december 2021 21:50

Start the device in bootloader mode by connecting BOOT0 (BT0) to +3.3V (3V3) and resetting the device either by power cycle or connecting the reset pin (RST) to ground and releasing it.



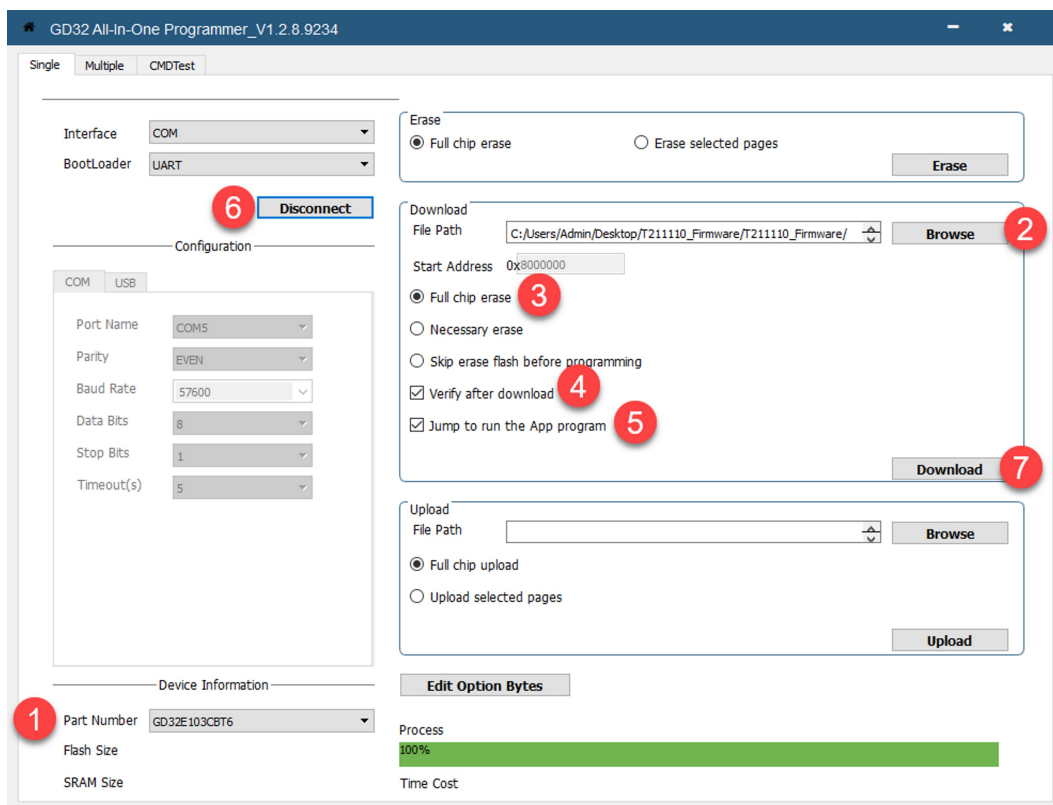
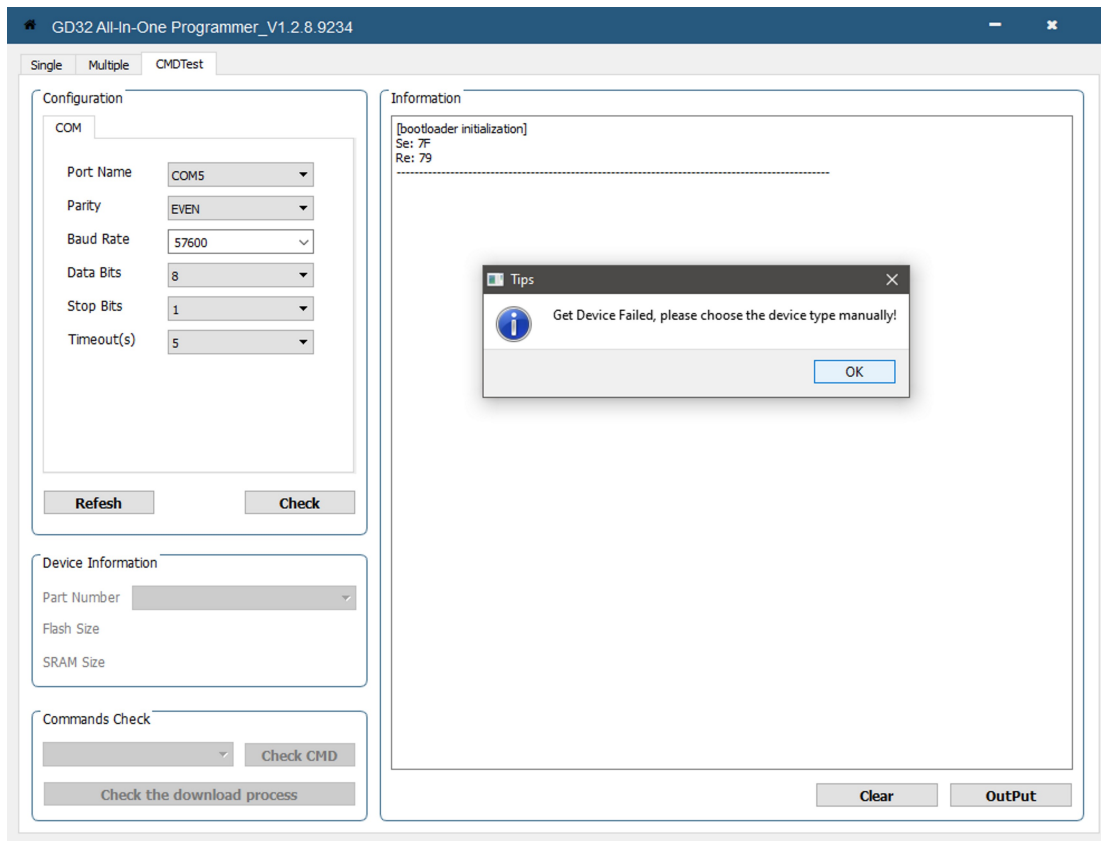
BT0 HIGH

Check device manager for the COM port



Open the "GD32 All-In-One Programmer". Select the correct COM port and leave the other settings as is.

Optional: check if the device has entered the bootloader and able to communicate with the PC by pressing "Check". Your PC will send 0x7F and the device should respond with 0x79.



The program is unable to detect the device type automatically but this does not matter it can be selected manually.
 Select the part number;
 Select the firmware file and download options;
 Connect to target;
 Download the firmware to the device;
 Power cycle the device;

Alternatively the STM32 flash demonstrator GUI can be used to program the

device. The bootloader is compatible with the STM32.

