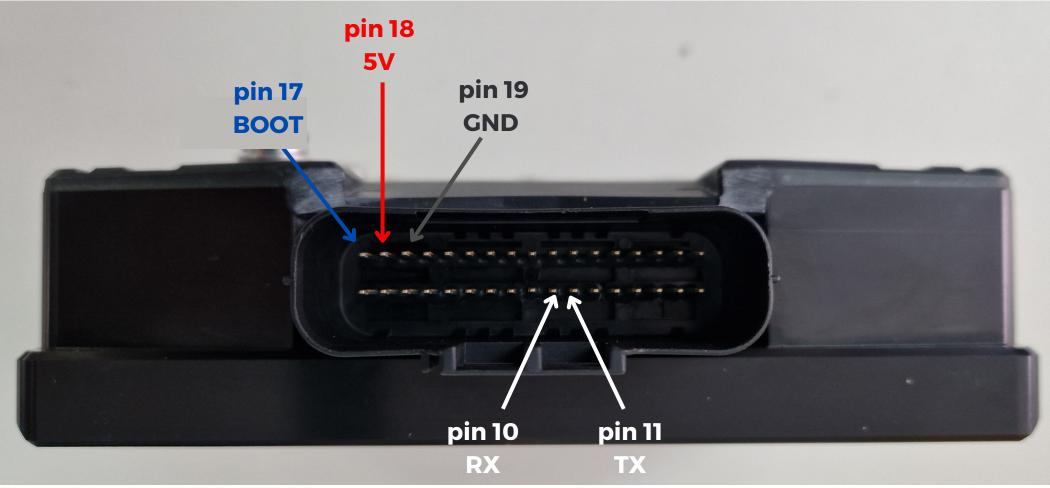
UPLOADING THE MODIFIED FIRMWARE TO THE TORP CONTROLLERS.

Important: By using this option you are losing the Warranty and access to the Torp Support. Torp company is not responsible for any potential damage caused by altering their product's firmware.

- -Step 1: Connect GND to pin 19 and 12V to BOOT (pin 17)
- -Step 2: Connect to 5V (pin 18)
- Once these three pins (pin 19, pin 17, and pin 18) are connected, the microcontroller enters the standard STM 32 Bootloader
- -<u>Step 3:</u> Connect RX and TX (pin 10 and pin 11) to UART and use the STM 32 Cube programmer

Do not perform this procedure while the DC link (controller) is under high voltage!



TX RX
USB to UART converter (3.3V)