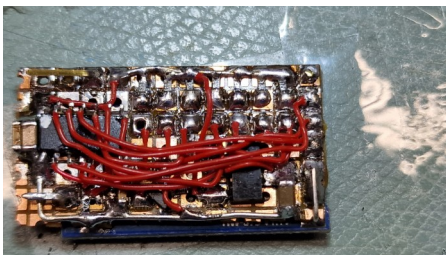


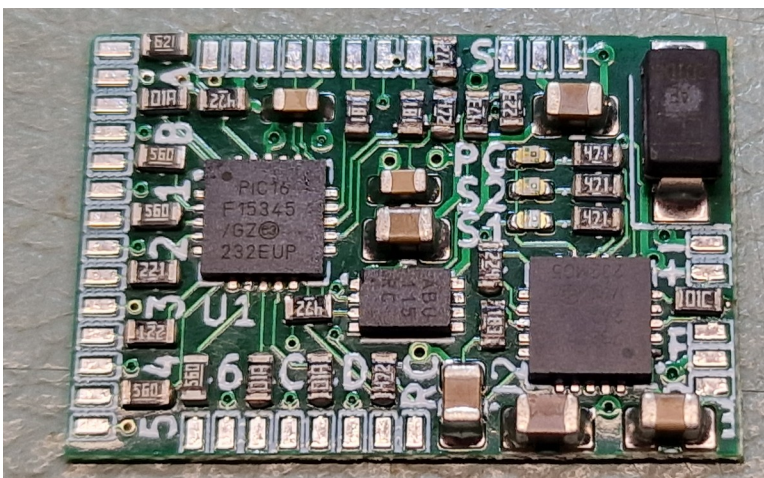
Faller car system: Battery replacement with Lipo, Lipo charger and PIC microcontroller PCB.



<https://youtu.be/njiMmbR584Y>

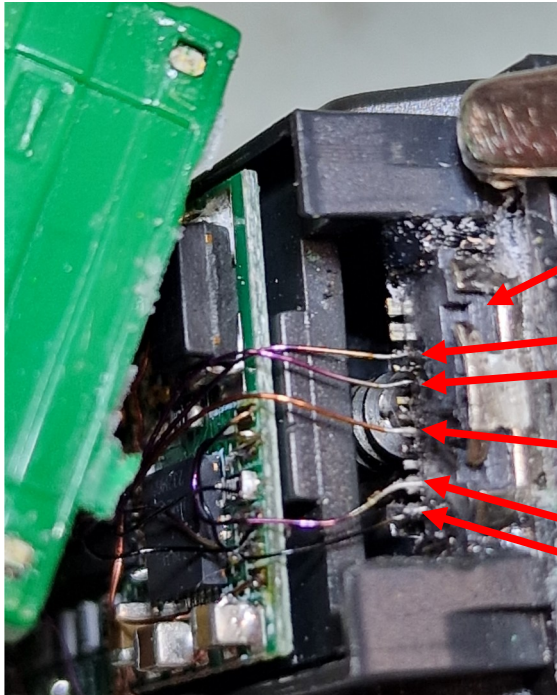


Proto board : KiCad\FallerCarSystem_v1
Proto FW : Faller_Car_ucontroller.X

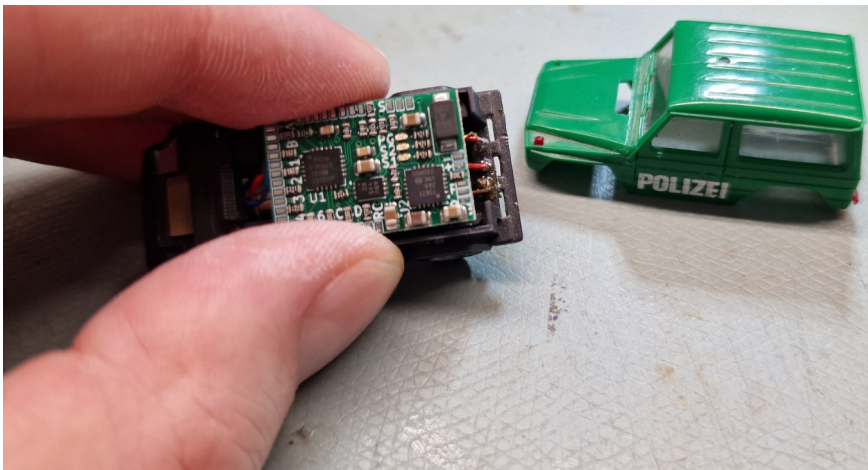


Final board : KiCad\FallerCarSystem_v2
FW : Faller_Car_ucontroller2.X & Faller_Car_uControllerBootLoader.X

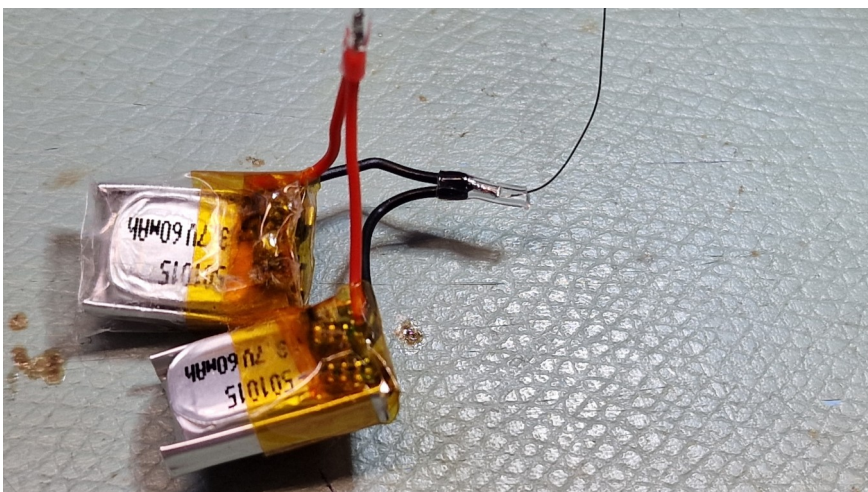
Polizei (police) car:



- USB-C 2.0 connector 12 pins – top side
- 12 = 0V n.c.
- 11 = 5V n.c.
- 10 = n.c.
- 9 = Bootloader to C-cable wire Yellow
- 8 = TX to C-cable wire Green
- 7 = n.c.
- 6 = n.c.
- 5 = RX to C-cable wire White
- 4 = n.c.
- 3 = n.c.
- 2 = 5V to C-cable wire Red
- 1 = 0V to C-cable wire Black



Power switch of the Car disconnects battery from PCB to prevent current leakage.



2x 60mA Lipo

