ACEcar status report

**This document contains a list of explanations on what has changed since the 2022 Project system race.**

# Electronics

## Camera and/or cable

During the race after the car stopped video feed was lost, attempt to reestablish video feed was unsuccessful, upon closed inspection camera is missing components, due to the stress that the cable was it is also possible that the cable was damaged (however multimeter did not find any broken connections)

## Servo motors

During the development of the car, we had to replace the servo motor, the broken one is included in the box.

## Main board

for demonstration and race a PCB was not used, all connections were made manually with headers and wires, this is no longer the case as the Ordered PCB has been received, soldered and tested and is working fine after a small modification (added a capacitor to servo power pin due to voltage spikes triggering buck converter safety and shutting down the system).

P.S. Components and wires used before are contained in the box

# Cosmetic

## Frame

During the race the frame was damaged, the front bumper and back was damaged, however our team quickly repaired the broken areas and were mostly able to restore the car to its original glory.