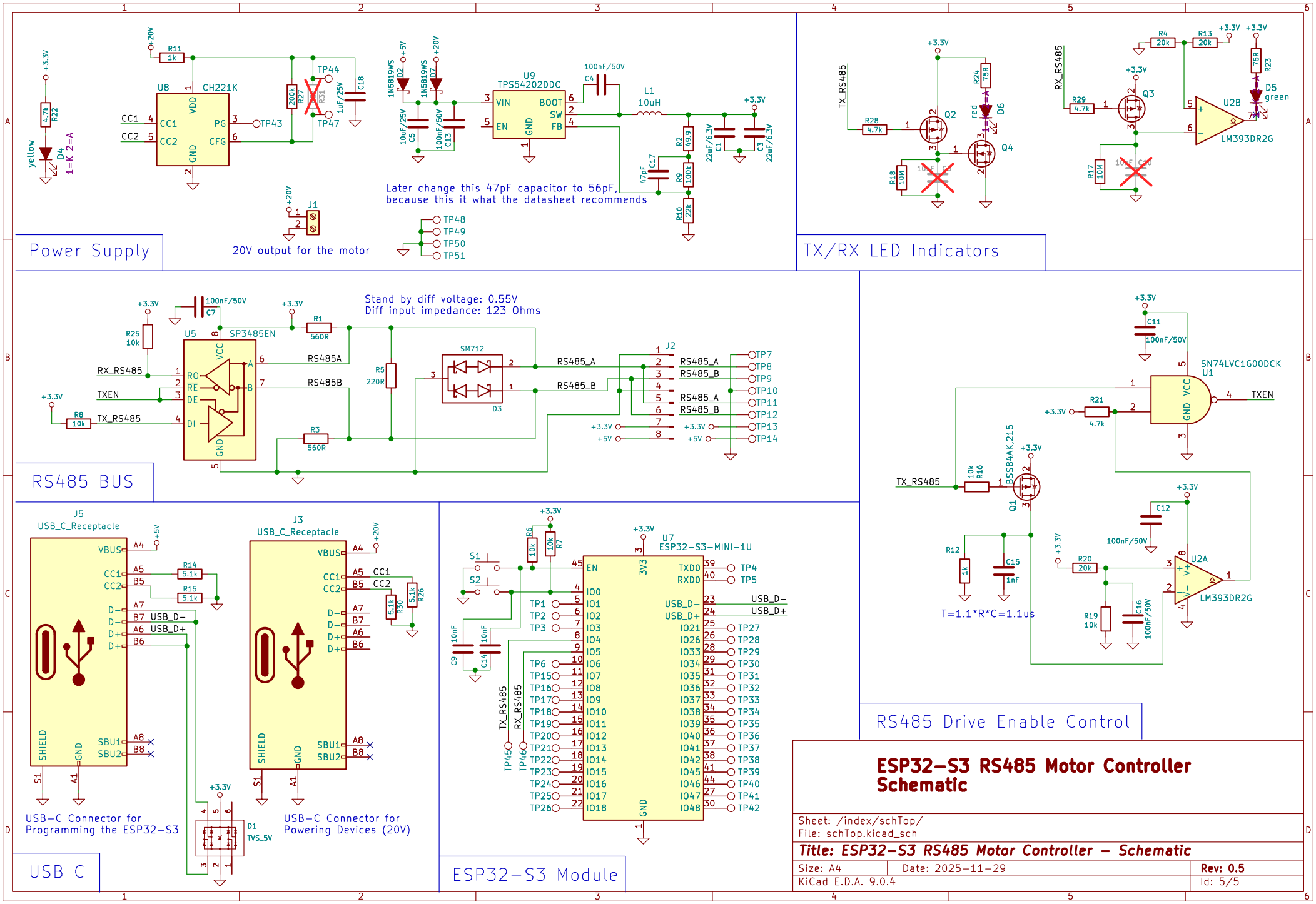

Power Supply
20V output for the motor
Later change this 47pF capacitor to 56pF, because this it what the datasheet recommends
TX/RX LED Indicators
RS485 BUS
Stand by diff voltage: 0.55V
Diff input impedance: 123 Ohms
RS485 Drive Enable Control
T=1.1*R*C=1.1us
USB C
USB-C Connector for Programming the ESP32-S3
USB-C Connector for Powering Devices (20V)
ESP32-S3 Module
ESP32-S3 RS485 Motor Controller Schematic
Sheet: /index/schTop/
File: schTop.kicad_sch
Title: ESP32-S3 RS485 Motor Controller - Schematic
Size: A4
Date: 2025-11-29
Rev: 0.5
KiCad E.D.A. 9.0.4
Id: 5/5