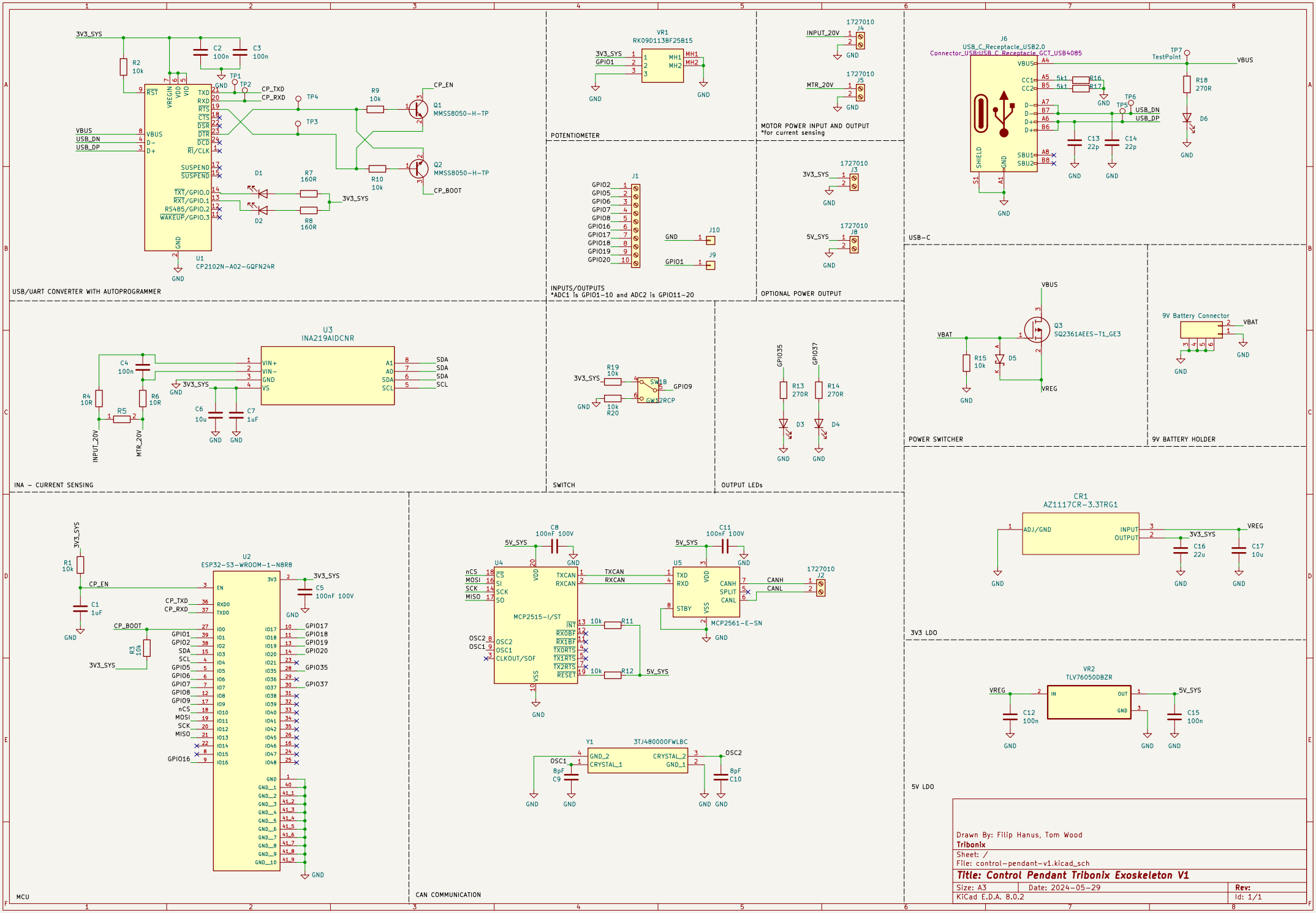
USB/UART CONVERTER WITH AUTOPROGRAMMER
U1
CP2102N-A02-GQFN24R
POTENTIOMETER
VR1
RK09D113BF25B15
MOTOR POWER INPUT AND OUTPUT
*for current sensing
INPUTS/OUTPUTS
*ADC1 is GPIO1-10 and ADC2 is GPIO11-20
OPTIONAL POWER OUTPUT
USB-C
J6
USB_C_Receptacle_USB2.0
Connector_USB:USB_C_Receptacle_GCT_USB4085
POWER SWITCHER
Q3
SQ2361AEES-T1_GE3
9V BATTERY HOLDER
9V Battery Connector
INA - CURRENT SENSING
U3
INA219AIDCNR
SWITCH
OUTPUT LEDs
3V3 LDO
CR1
AZ1117CR-3.3TRG1
5V LDO
VR2
TLV76050DBZR
MCU
U2
ESP32-S3-WROOM-1-N8R8
CAN COMMUNICATION
U4
MCP2515-I/ST
U5
MCP2561-E-SN
Y1
3TJ480000FWLBC
Drawn By: Filip Hanus, Tom Wood
Tribonix
Sheet: /
File: control-pendant-v1.kicad_sch
Title: Control Pendant Tribonix Exoskeleton V1
Size: A3
Date: 2024-05-29
Rev:
KiCad E.D.A. 8.0.2
Id: 1/1