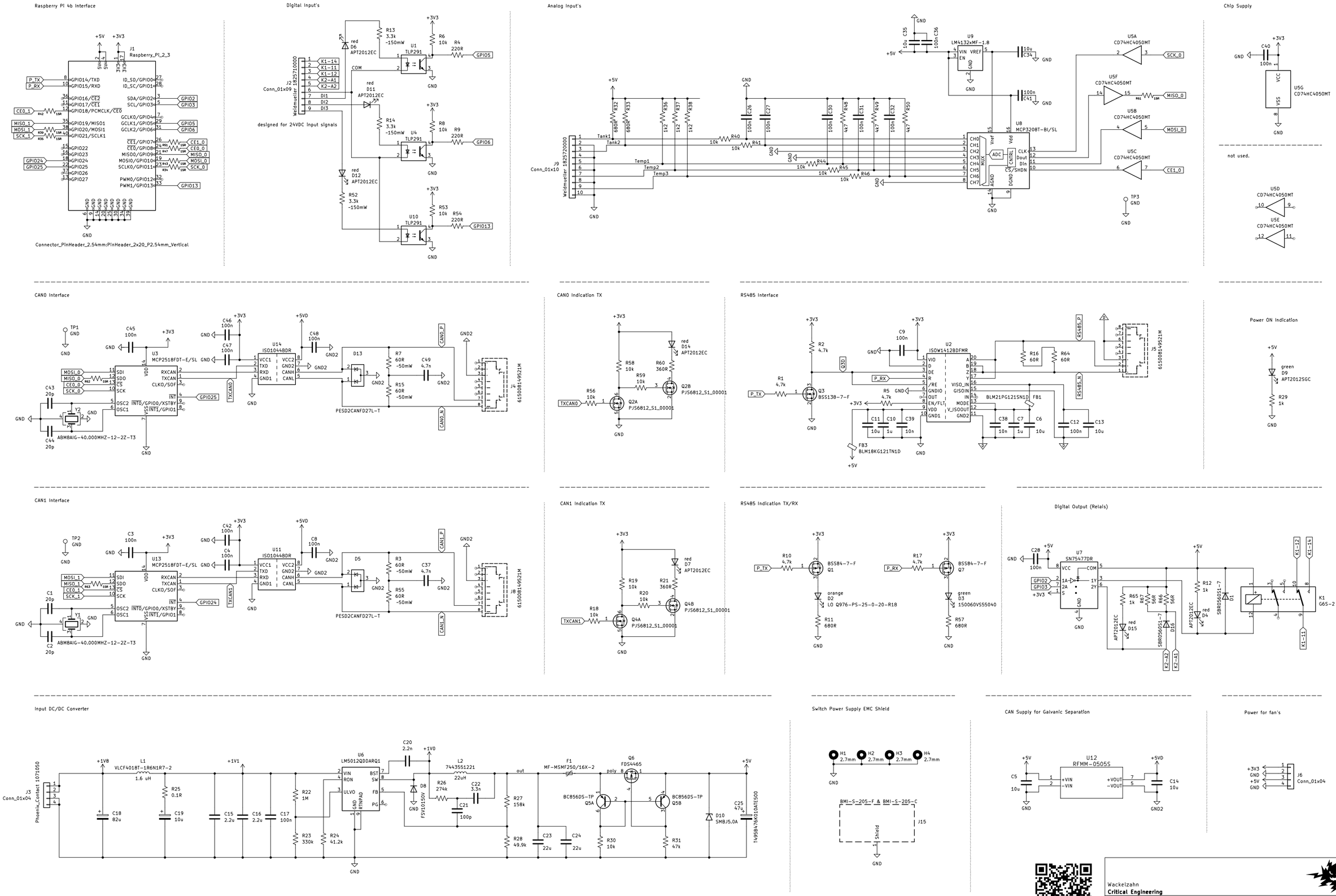
Raspberry Pi 4b Interface
J1
Raspberry_Pi_2_3
Connector_PinHeader_2.54mm:PinHeader_2x20_P2.54mm_Vertical
Digital Input's
J2
Conn_01x09
Weidmueller 1825710000
designed for 24VDC Input signals
U1 TLP291
U4 TLP291
U10 TLP291
Analog Input's
J9
Conn_01x10
Weidmueller 1825720000
U9
LM4132xMF-1.8
U8
MCP3208T-BI/SL
U5A CD74HC4050MT
U5F CD74HC4050MT
U5B CD74HC4050MT
U5C CD74HC4050MT
Chip Supply
U5G CD74HC4050MT
not used.
U5D CD74HC4050MT
U5E CD74HC4050MT
CAN0 Interface
U3
MCP2518FDT-E/SL
U14
ISO1044BDR
J4
61500814952 1M
ABMBAIG-40.000MHZ-12-2Z-T3
PESD2CANFD27L-T
CAN0 Indication TX
Q2A PJS6812_S1_00001
Q2B PJS6812_S1_00001
RS485 Interface
U2
ISOW1412BDFMR
Q3 BSS138-7-F
BLM21PG121SN1D
FB3 BLM18KG121TN1D
Power ON Indication
CAN1 Interface
U13
MCP2518FDT-E/SL
U11
ISO1044BDR
J8
61500814952 1M
ABMBAIG-40.000MHZ-12-2Z-T3
PESD2CANFD27L-T
CAN1 Indication TX
Q4A PJS6812_S1_00001
Q4B PJS6812_S1_00001
RS485 Indication TX/RX
Q1 BSS84-7-F
Q7 BSS84-7-F
Digital Output (Relais)
U7
SN75477DR
K1
G6S-2 DC5
Input DC/DC Converter
J3
Phoenix_Contact 1071050
L1
VLCF4018T-1R6N1R7-2
1.6 uH
U6
LM5012QDDARQ1
L2
7443551221
22uH
F1
MF-MSMF250/16X-2
Q6
FDS4465
Q5A BC856DS-TP
Q5B BC856DS-TP
D10
SMBJ5.0A
C25
47u
T495B476K010ATE500
Switch Power Supply EMC Shield
BMI-S-205-F & BMI-S-205-C
J15
CAN Supply for Galvanic Separation
U12
RFMM-0505S
Power for fan's
J6
Conn_01x04
Wackelzahn
Critical Engineering
Sheet: /
File: Raspi_Supply.kicad_sch
Title: Raspberry Venus Carrier
Size: A2
Date: 2024-10-08
Rev: 5.4
KiCad E.D.A. 8.0.5
Id: 1/1