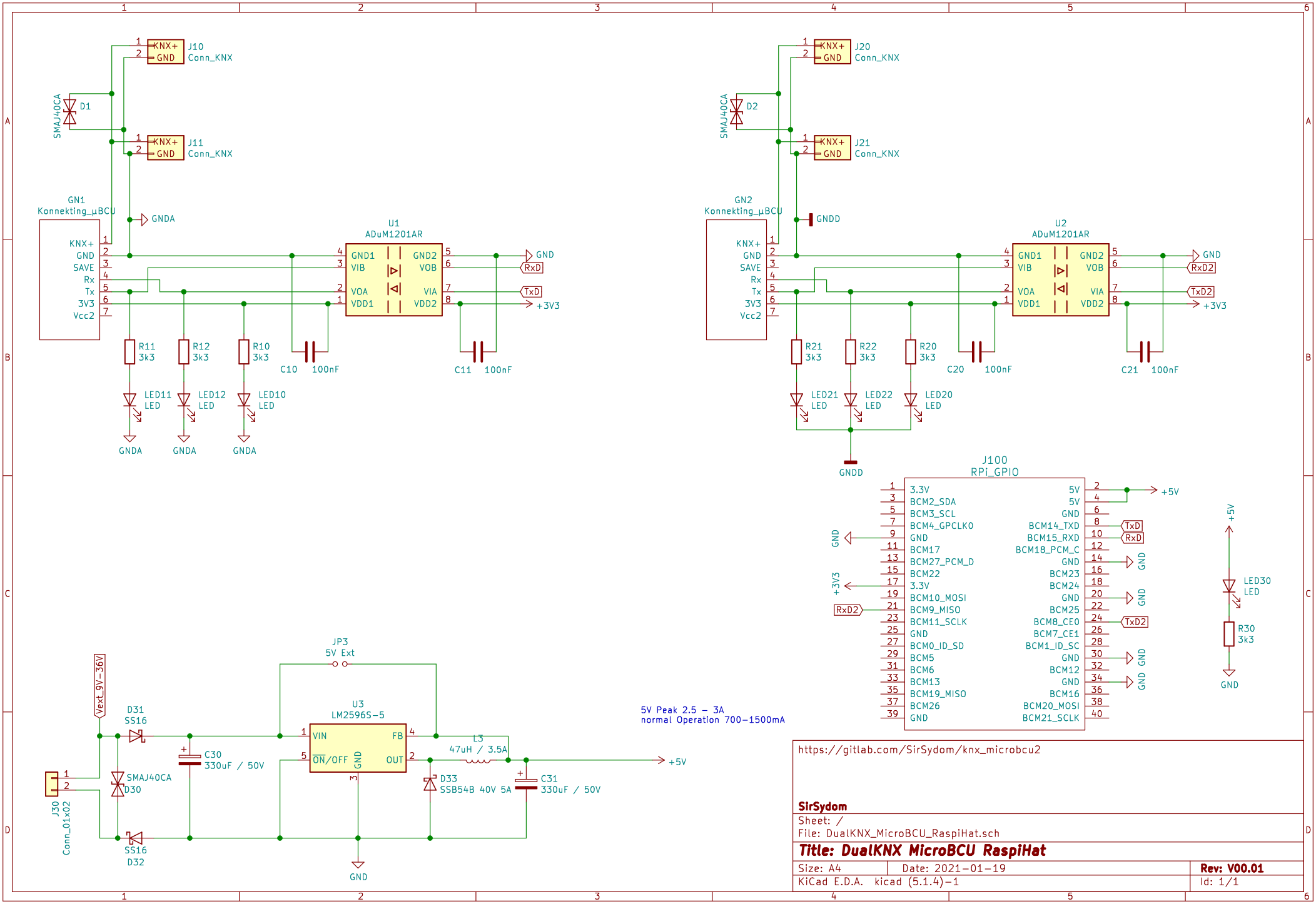
J10
Conn_KNX
KNX+
GND
D1
SMAJ40CA
J11
Conn_KNX
GN1
Konnekting_µBCU
KNX+
GND
SAVE
Rx
Tx
3V3
Vcc2
GNDA
U1
ADuM1201AR
GND1
VIB
VOA
VDD1
GND2
VOB
VIA
VDD2
GND
RxD
TxD
+3V3
R11
3k3
R12
3k3
R10
3k3
C10
100nF
C11
100nF
LED11
LED
LED12
LED
LED10
LED
J20
Conn_KNX
D2
SMAJ40CA
J21
Conn_KNX
GN2
Konnekting_µBCU
GNDD
U2
ADuM1201AR
RxD2
TxD2
R21
3k3
R22
3k3
R20
3k3
C20
100nF
C21
100nF
LED21
LED
LED22
LED
LED20
LED
J100
RPi_GPIO
3.3V
BCM2_SDA
BCM3_SCL
BCM4_GPCLK0
GND
BCM17
BCM27_PCM_D
BCM22
3.3V
BCM10_MOSI
BCM9_MISO
BCM11_SCLK
GND
BCM0_ID_SD
BCM5
BCM6
BCM13
BCM19_MISO
BCM26
GND
5V
5V
GND
BCM14_TXD
BCM15_RXD
BCM18_PCM_C
GND
BCM23
BCM24
GND
BCM25
BCM8_CE0
BCM7_CE1
BCM1_ID_SC
GND
BCM12
GND
BCM16
BCM20_MOSI
BCM21_SCLK
+5V
LED30
LED
R30
3k3
Vext_9V-36V
D31
SS16
SMAJ40CA
D30
SS16
D32
J30
Conn_01x02
C30
330uF / 50V
JP3
5V Ext
U3
LM2596S-5
VIN
ON/OFF
GND
FB
OUT
L3
47uH / 3.5A
D33
SSB54B 40V 5A
C31
330uF / 50V
5V Peak 2.5 – 3A
normal Operation 700–1500mA
https://gitlab.com/SirSydom/knx_microbcu2
SirSydom
Sheet: /
File: DualKNX_MicroBCU_RaspiHat.sch
Title: DualKNX MicroBCU RaspiHat
Size: A4
Date: 2021-01-19
Rev: V00.01
KiCad E.D.A. kicad (5.1.4)-1
Id: 1/1