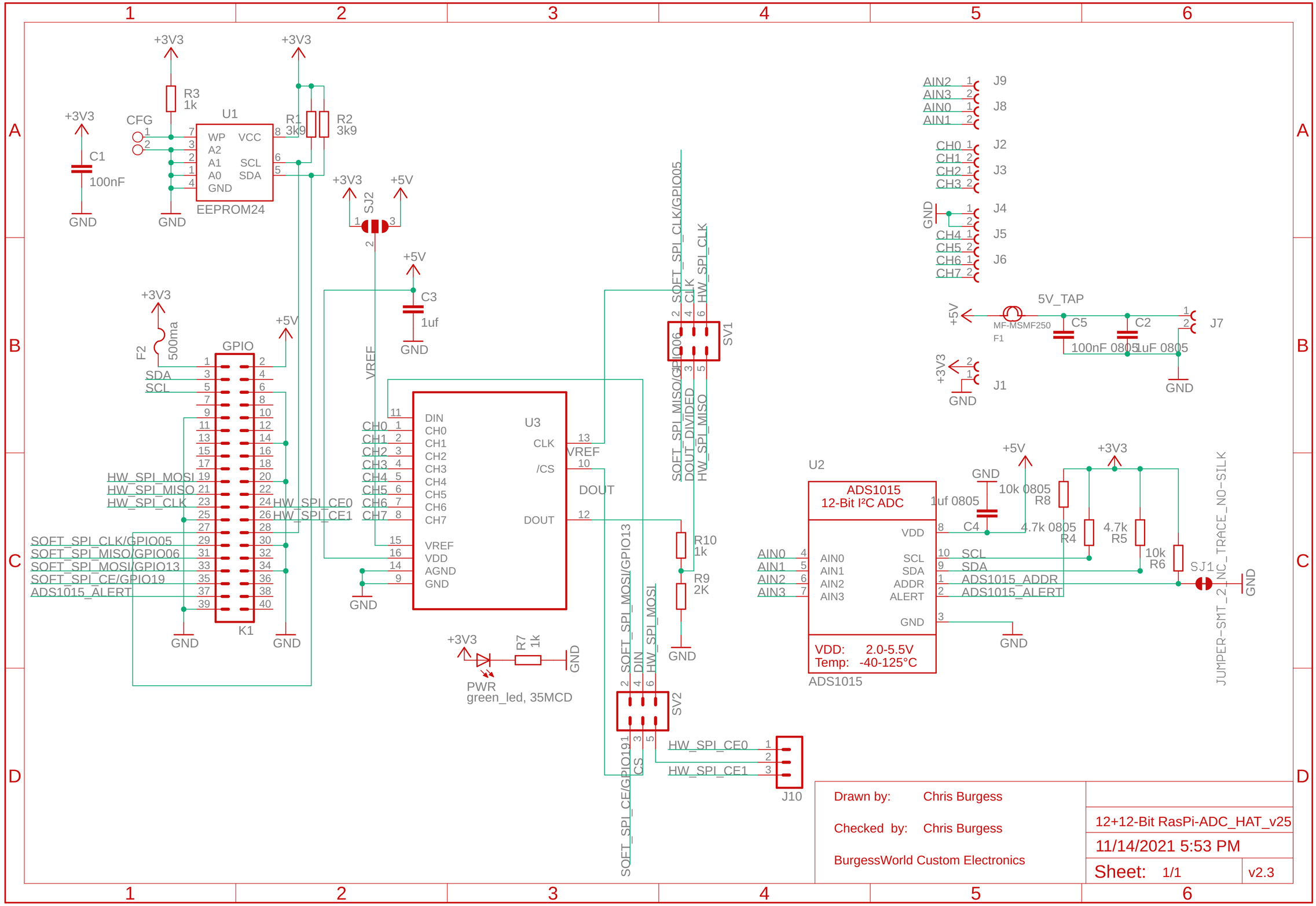
+3V3
R3
1k
U1
CFG
WP
A2
A1
A0
GND
VCC
SCL
SDA
EEPROM24
R1
3k9
R2
3k9
C1
100nF
GND
SJ2
+5V
C3
1uf
F2
500ma
GPIO
SDA
SCL
HW_SPI_MOSI
HW_SPI_MISO
HW_SPI_CLK
HW_SPI_CE0
HW_SPI_CE1
SOFT_SPI_CLK/GPIO05
SOFT_SPI_MISO/GPIO06
SOFT_SPI_MOSI/GPIO13
SOFT_SPI_CE/GPIO19
ADS1015_ALERT
K1
VREF
U3
DIN
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
CLK
/CS
DOUT
AGND
SV1
SV2
R10
1k
R9
2K
R7
1k
PWR
green_led, 35MCD
J10
AIN2
AIN3
AIN0
AIN1
J9
J8
J2
J3
J4
J5
J6
5V_TAP
MF-MSMF250
F1
C5
C2
100nF 0805
1uF 0805
J7
J1
U2
ADS1015
12-Bit I²C ADC
1uf 0805
C4
10k 0805
R8
4.7k 0805
R4
4.7k
R5
10k
R6
SJ1
JUMPER-SMT_2_NC_TRACE_NO-SILK
SCL
SDA
ADDR
ALERT
ADS1015_ADDR
ADS1015_ALERT
VDD: 2.0-5.5V
Temp: -40-125°C
Drawn by: Chris Burgess
Checked by: Chris Burgess
BurgessWorld Custom Electronics
12+12-Bit RasPi-ADC_HAT_v25
11/14/2021 5:53 PM
Sheet: 1/1
v2.3