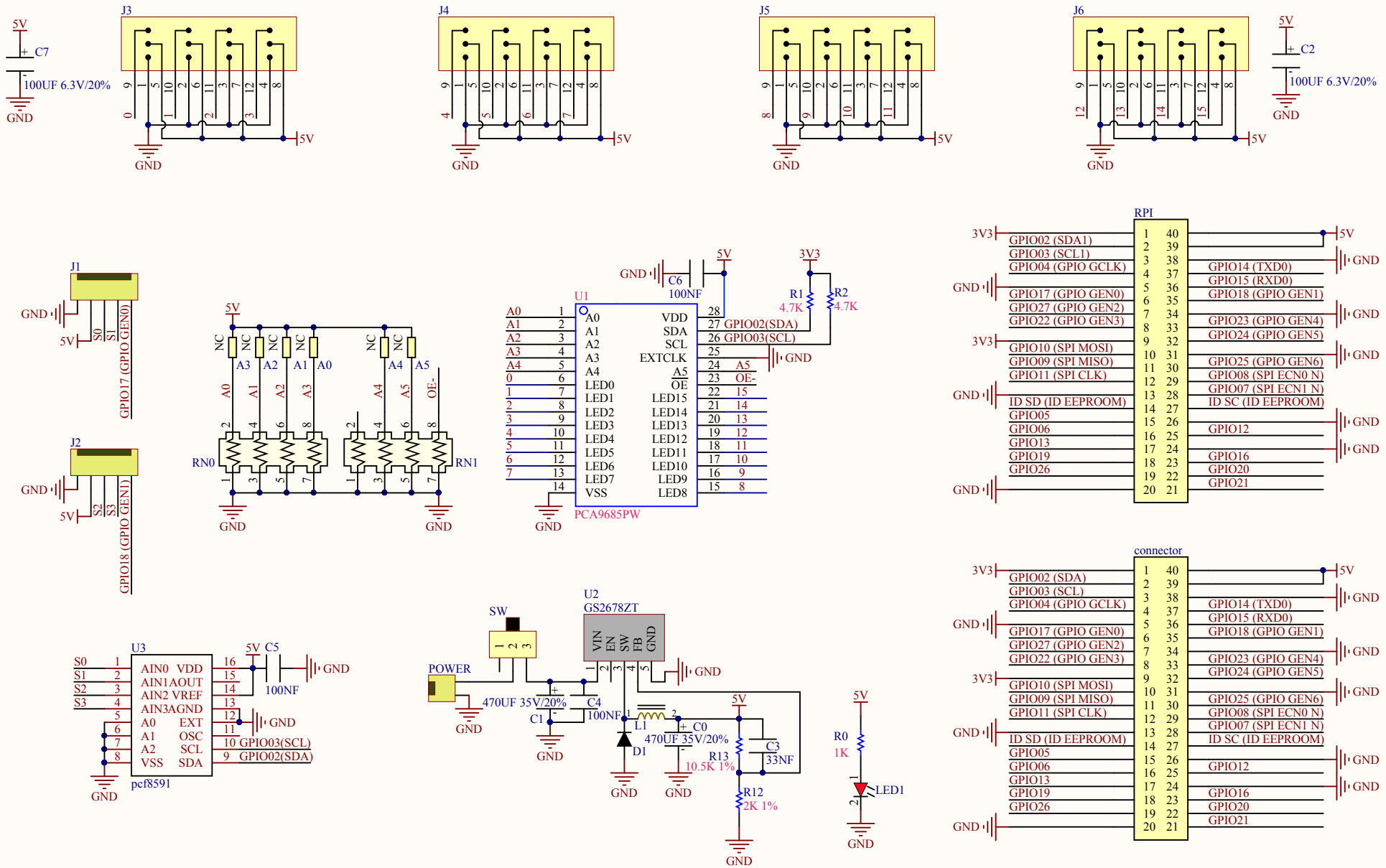
J3
J4
J5
J6
5V
C7
100UF 6.3V/20%
GND
C2
J1
J2
GPIO17 (GPIO GEN0)
GPIO18 (GPIO GEN1)
S0
S1
S2
S3
RN0
RN1
NC
A0
A1
A2
A3
A4
A5
OE-
U1
PCA9685PW
VDD
SDA
SCL
EXTCLK
OE
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
LED8
LED9
LED10
LED11
LED12
LED13
LED14
LED15
VSS
C6
100NF
3V3
R1
4.7K
R2
4.7K
GPIO02(SDA)
GPIO03(SCL)
RPI
3V3
GPIO02 (SDA1)
GPIO03 (SCL1)
GPIO04 (GPIO GCLK)
GPIO14 (TXD0)
GPIO15 (RXD0)
GPIO17 (GPIO GEN0)
GPIO18 (GPIO GEN1)
GPIO27 (GPIO GEN2)
GPIO22 (GPIO GEN3)
GPIO23 (GPIO GEN4)
GPIO24 (GPIO GEN5)
GPIO10 (SPI MOSI)
GPIO09 (SPI MISO)
GPIO25 (GPIO GEN6)
GPIO11 (SPI CLK)
GPIO08 (SPI ECN0 N)
GPIO07 (SPI ECN1 N)
ID SD (ID EEPROOM)
ID SC (ID EEPROOM)
GPIO05
GPIO06
GPIO12
GPIO13
GPIO19
GPIO16
GPIO26
GPIO20
GPIO21
connector
U3
pcf8591
AIN0
AIN1
AIN2
AIN3
VDD
VREF
AGND
EXT
OSC
SDA
SCL
100NF
U2
GS2678ZT
VIN
EN
SW
FB
GND
SW
POWER
470UF 35V/20%
C1
C4
100NF
L1
D1
C0
470UF 35V/20%
R13
10.5K 1%
C3
33NF
R12
2K 1%
R0
1K
LED1