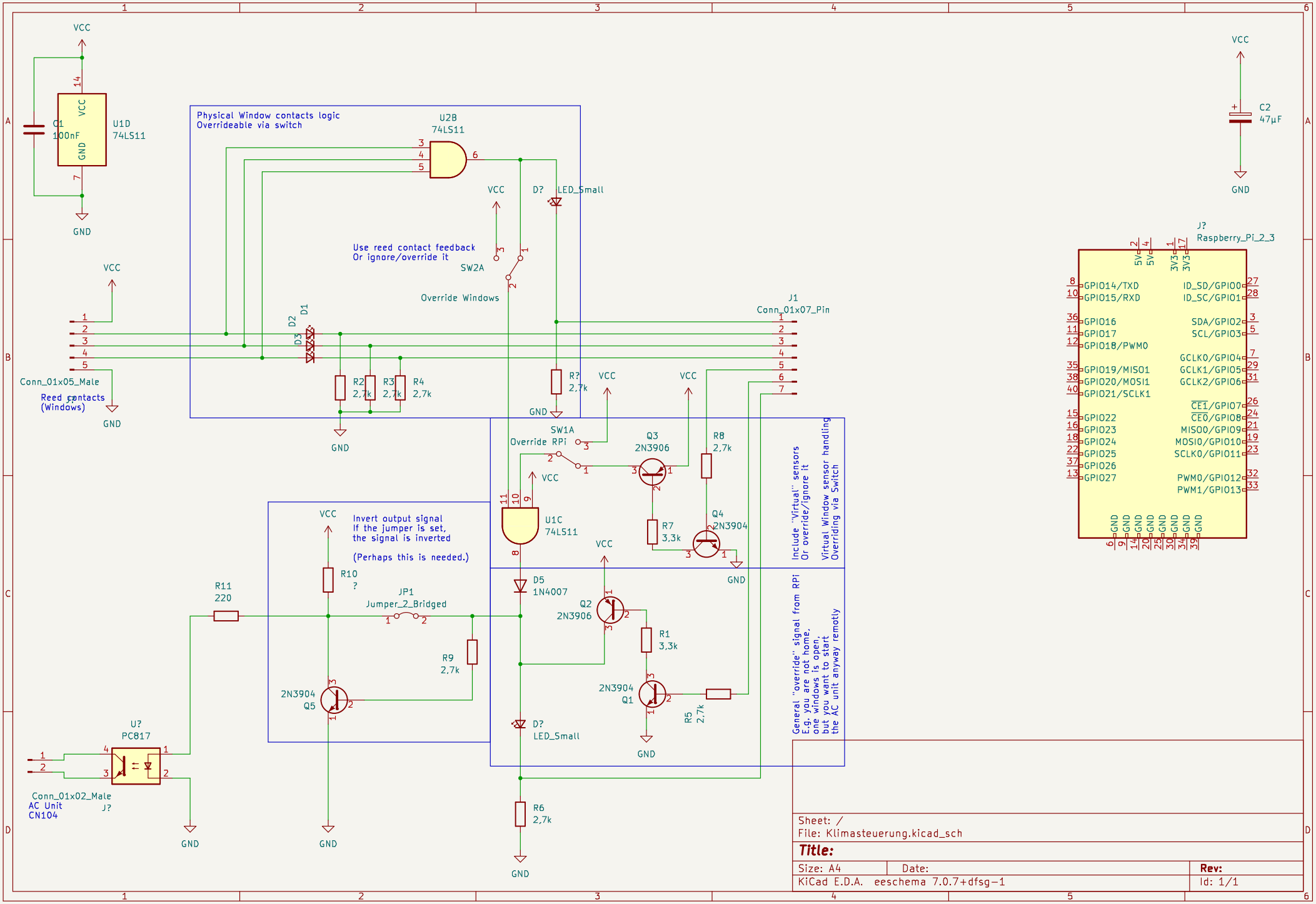
VCC
C1
100nF
U1D
74LS11
GND
Physical Window contacts logic
Overrideable via switch
U2B
74LS11
D?
LED_Small
Use reed contact feedback
Or ignore/override it
SW2A
Override Windows
J1
Conn_01x07_Pin
Conn_01x05_Male
Reed contacts
(Windows)
J?
D1
D2
D3
R2
2,7k
R3
2,7k
R4
2,7k
R?
2,7k
SW1A
Override RPi
Q3
2N3906
R8
2,7k
U1C
74LS11
R7
3,3k
Q4
2N3904
Include "Virtual" sensors
Or override/ignore it
Virtual Window sensor handling
Overriding via Switch
Invert output signal
If the jumper is set,
the signal is inverted
(Perhaps this is needed.)
R10
?
R11
220
JP1
Jumper_2_Bridged
R9
2,7k
2N3904
Q5
D5
1N4007
Q2
2N3906
R1
3,3k
2N3904
Q1
R5
2,7k
D?
LED_Small
General "override" signal from RPi
E.g. you are not home,
one windows is open,
but you want to start
the AC unit anyway remotly
U?
PC817
Conn_01x02_Male
AC Unit
CN104
J?
R6
2,7k
C2
47µF
J?
Raspberry_Pi_2_3
5V
3V3
GPIO14/TXD
GPIO15/RXD
GPIO16
GPIO17
GPIO18/PWM0
GPIO19/MISO1
GPIO20/MOSI1
GPIO21/SCLK1
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26
GPIO27
ID_SD/GPIO0
ID_SC/GPIO1
SDA/GPIO2
SCL/GPIO3
GCLK0/GPIO4
GCLK1/GPIO5
GCLK2/GPIO6
CE1/GPIO7
CE0/GPIO8
MISO0/GPIO9
MOSI0/GPIO10
SCLK0/GPIO11
PWM0/GPIO12
PWM1/GPIO13
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