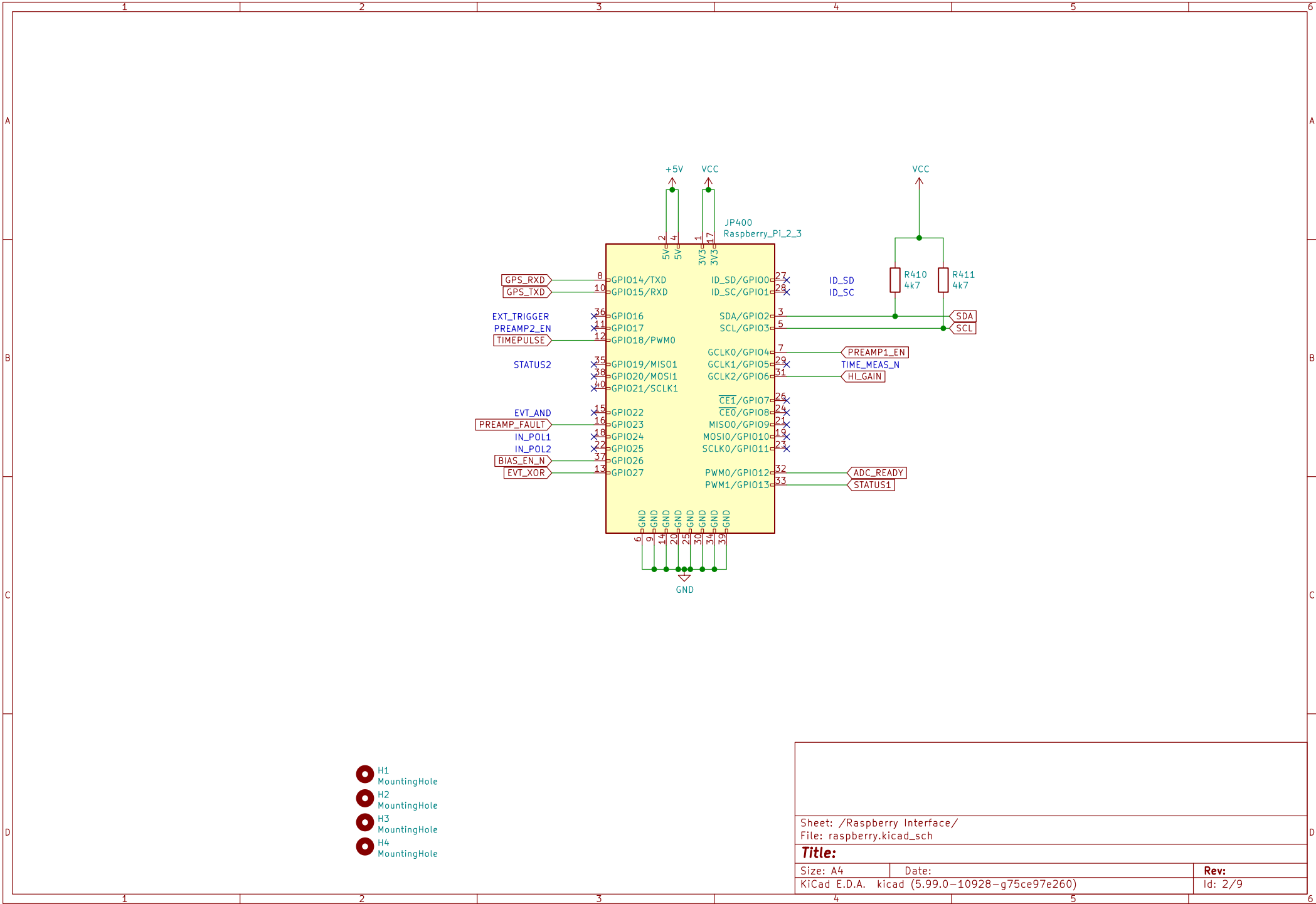
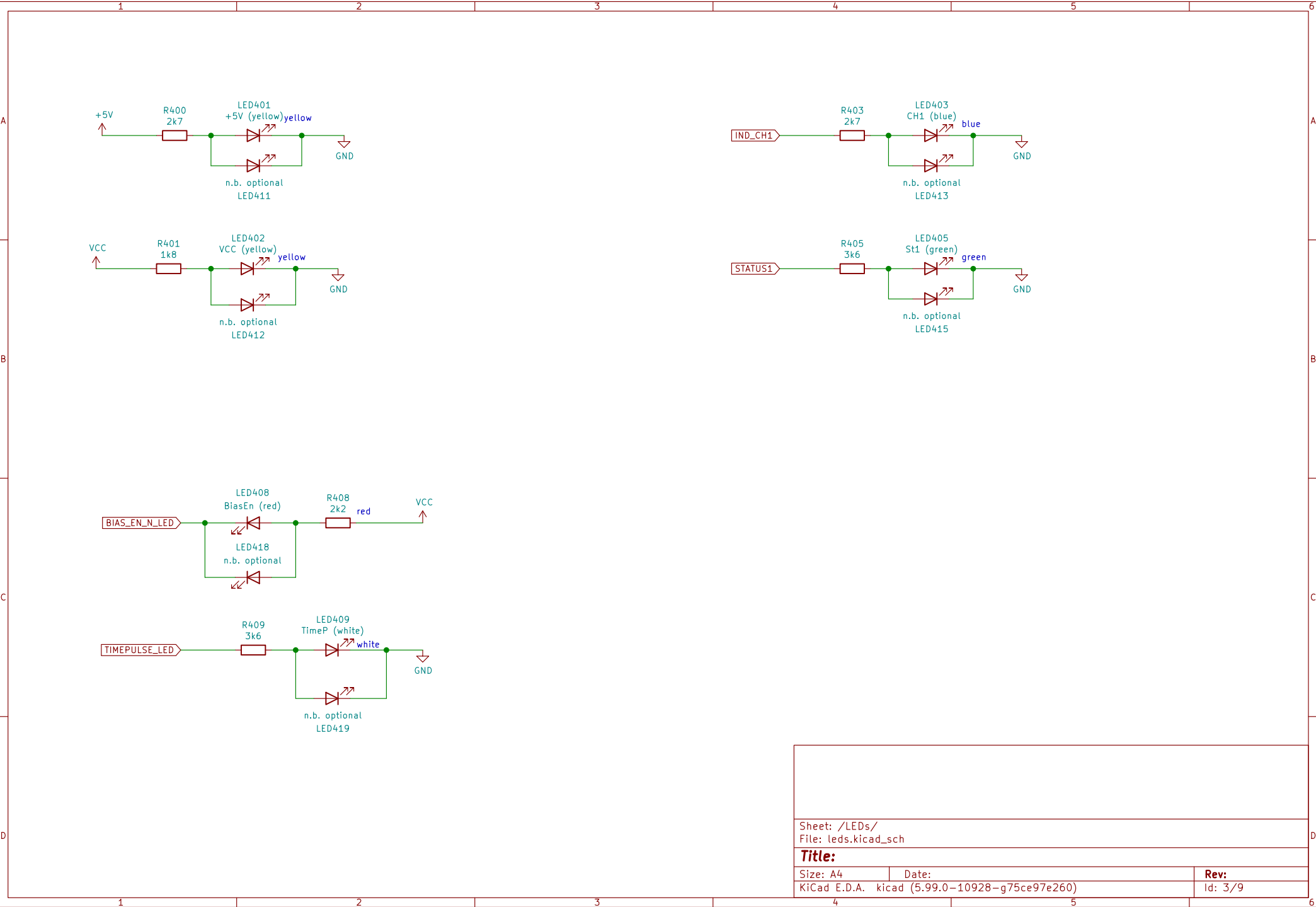


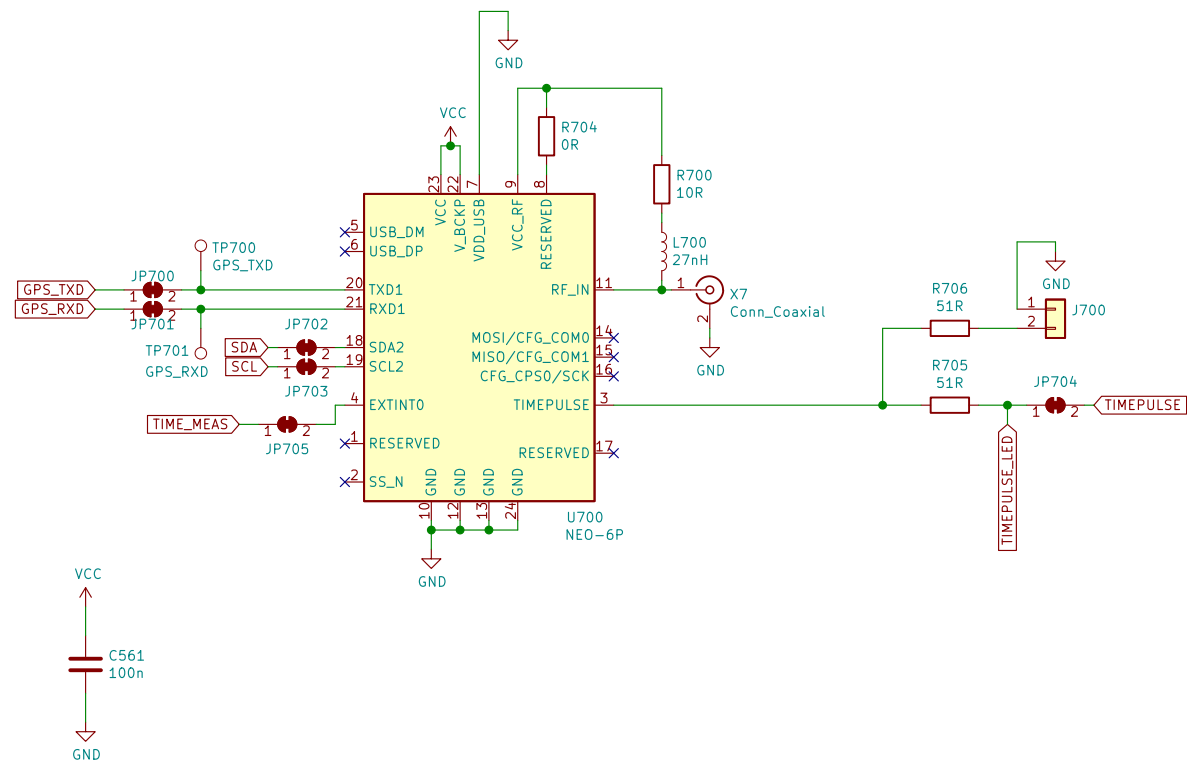
	1	2	3	4	5	6
A	<div>Raspberry Interface</div> <div>File: raspberry.kicad_sch</div>	<div>LEDs</div> <div>File: leds.kicad_sch</div>	<div>I2C</div> <div>File: i2c.kicad_sch</div>	<div>Peak Detector Interface</div> <div>File: peak_detector_interface.kicad_sch</div>		
B	<div>GPS</div> <div>File: gps.kicad_sch</div>	<div>Input Stage</div> <div>File: input_stage.kicad_sch</div>	<div>Digital Pulse Processor</div> <div>File: digital_pulseprocessor.kicad_sch</div>	<div>Power and BIAS Supply</div> <div>File: power_and_bias_supply.kicad_sch</div>		
C						
D						
	1	2	3	4	5	6

Sheet: / File: cdu-lite.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.99.0-10928-g75ce97e260)		Id: 1/9





Sheet: /LEDs/ File: leds.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.99.0-10928-g75ce97e260)		Id: 3/9



Sheet: /GPS/
File: gps.kicad_sch

Title:

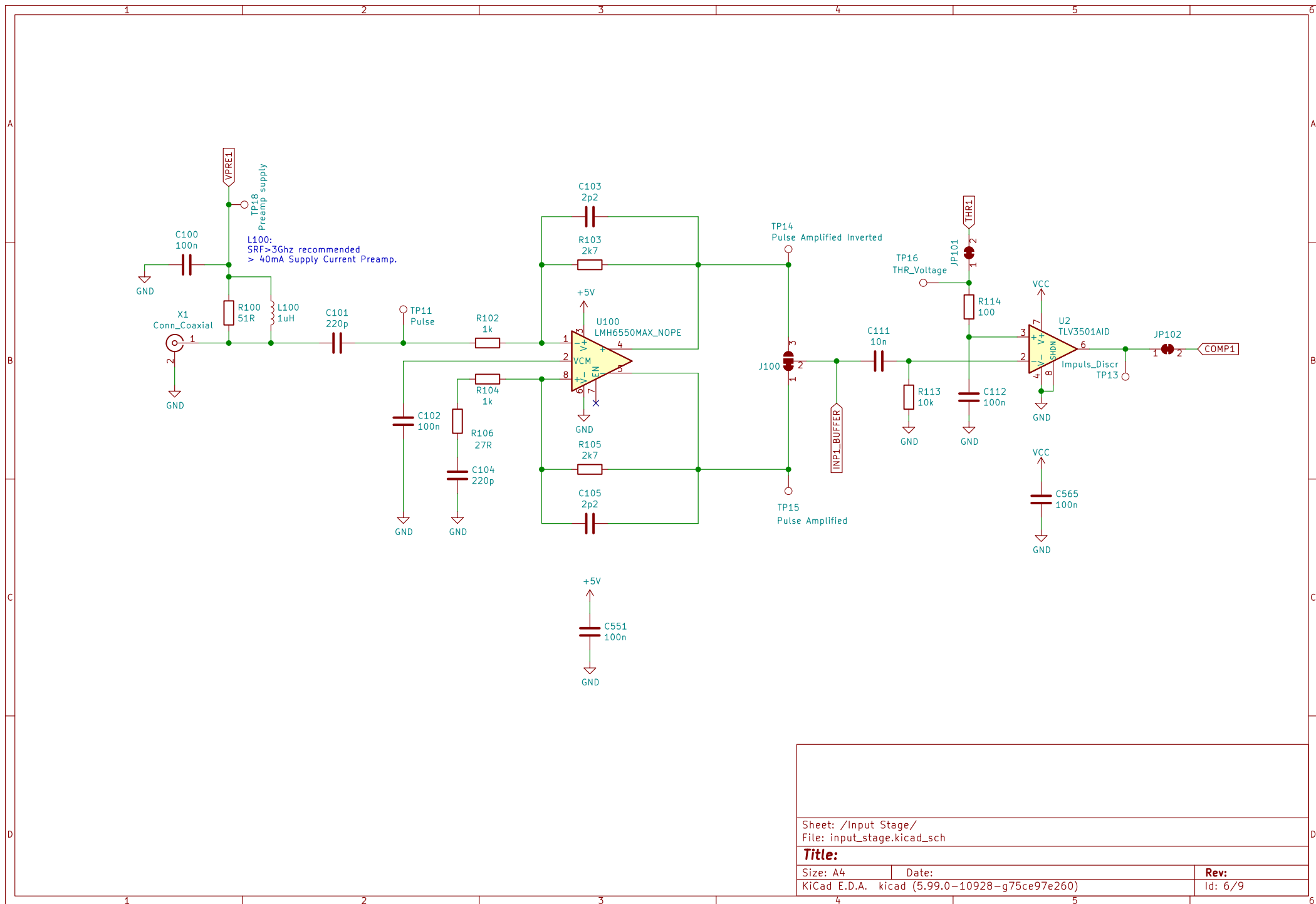
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Date:

KiCad E.D.A. kicad (5.99.0-10928-g75ce97e260)

Rev:

Id: 5/9



Sheet: /Input Stage/ File: input_stage.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.99.0-10928-g75ce97e260)		Id: 6/9

2 Variants

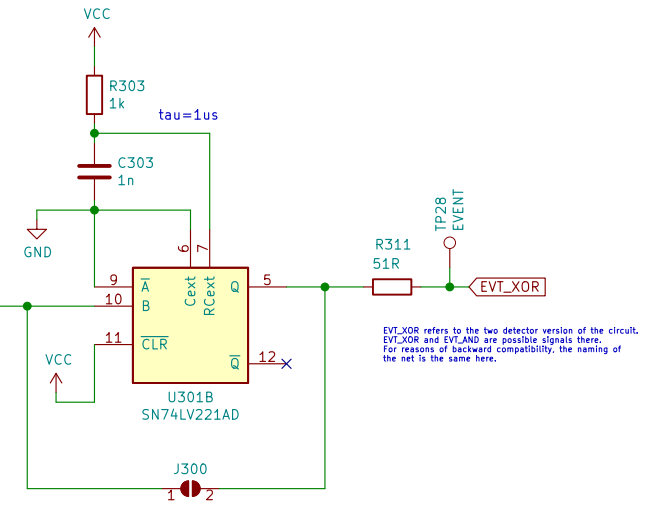
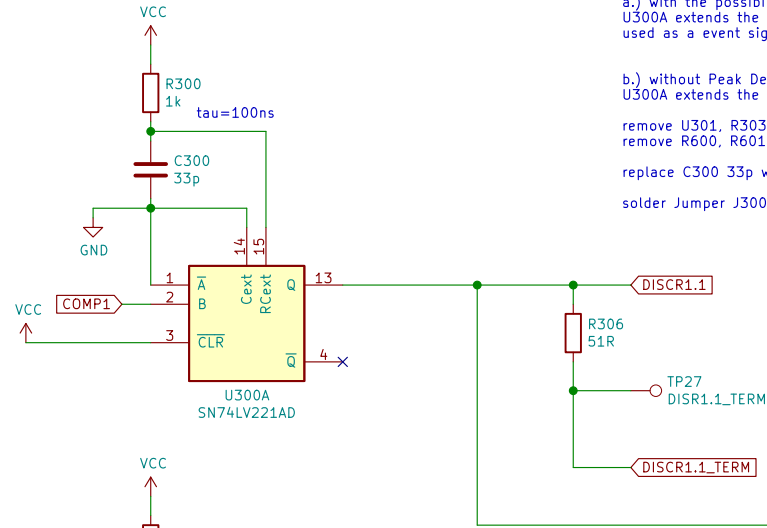
a.) with the possibility to add a Peakdetector: as shown in the schematics
U300A extends the pulse to 100ns. Used as a reset signal for the Peakdetector. This is then extended to 1us used as a event signal to the raspberry pi.

b.) without Peak Detector:
U300A extends the pulse to 1us used as a event signal to the raspberry pi.

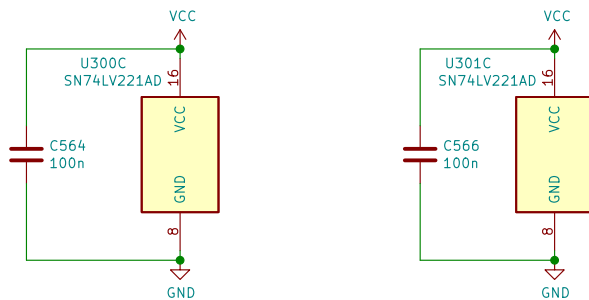
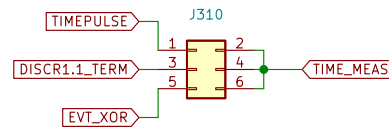
remove U301, R303, C303
remove R600, R601, C600, C601, JP601, JP602

replace C300 33p with 1n

solder Jumper J300 is connected



EVT_XOR refers to the two detector version of the circuit.
EVT_XOR and EVT_AND are possible signals there.
For reasons of backward compatibility, the naming of the net is the same here.



Sheet: /Digital Pulse Processor/
File: digital_pulseprocessor.kicad_sch

Title:

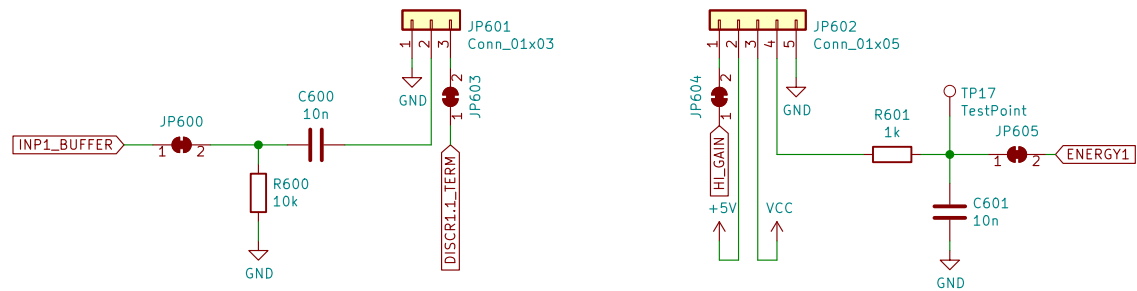
Size: A4

Date:

KiCad E.D.A. kicad (5.99.0-10928-g75ce97e260)

Rev:

Id: 7/9



Sheet: /Peak Detector Interface/
File: peak_detector_interface.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad (5.99.0-10928-g75ce97e260)

Rev:

Id: 8/9

