

MakeZürich (makezurich.ch) & GDG Zürich (gdgzh.ch)

Sheet: /
File: badge-mainboard.sch

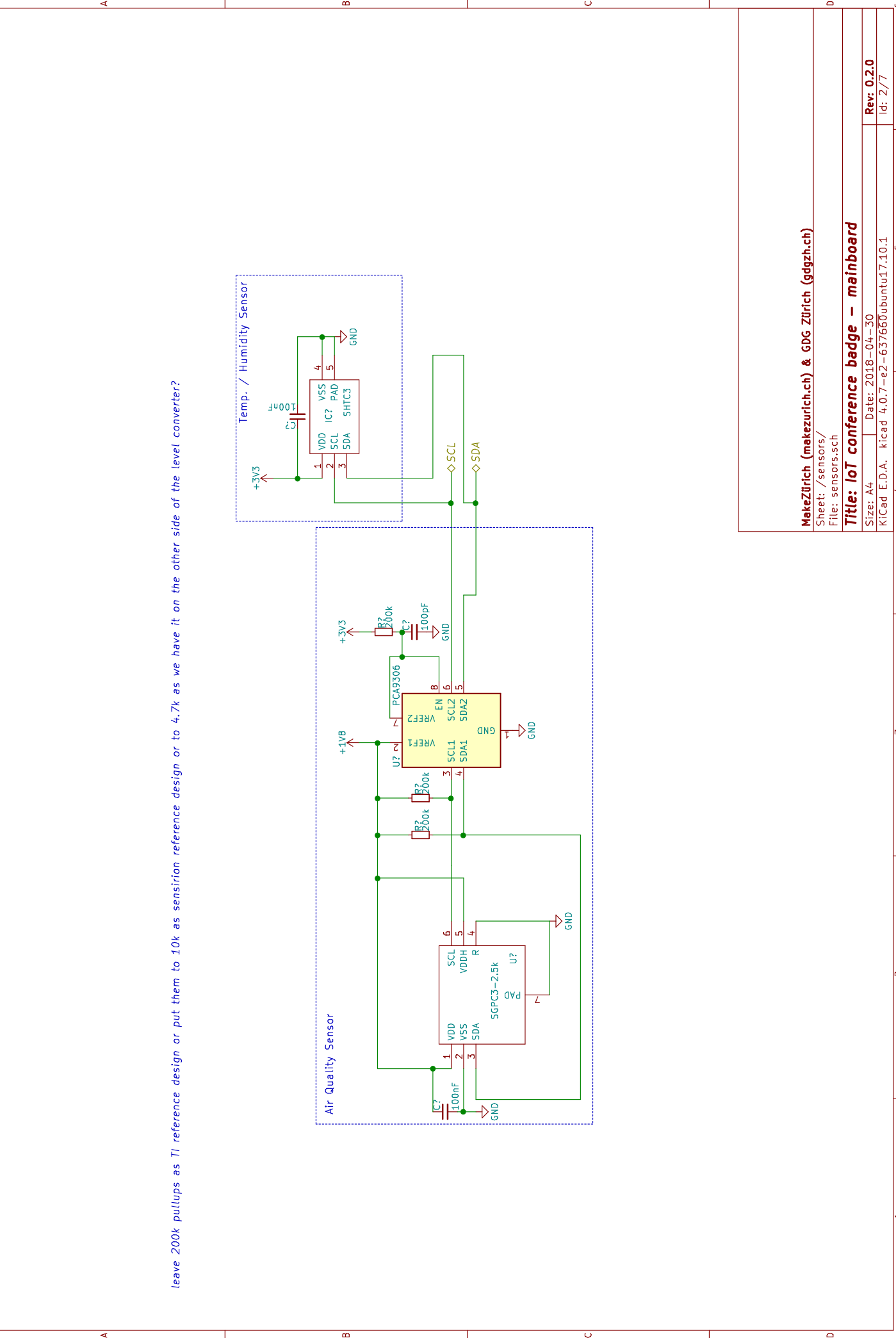
Title: IoT conference badge – mainboard

Size: A4 | Date: 2018-04-09

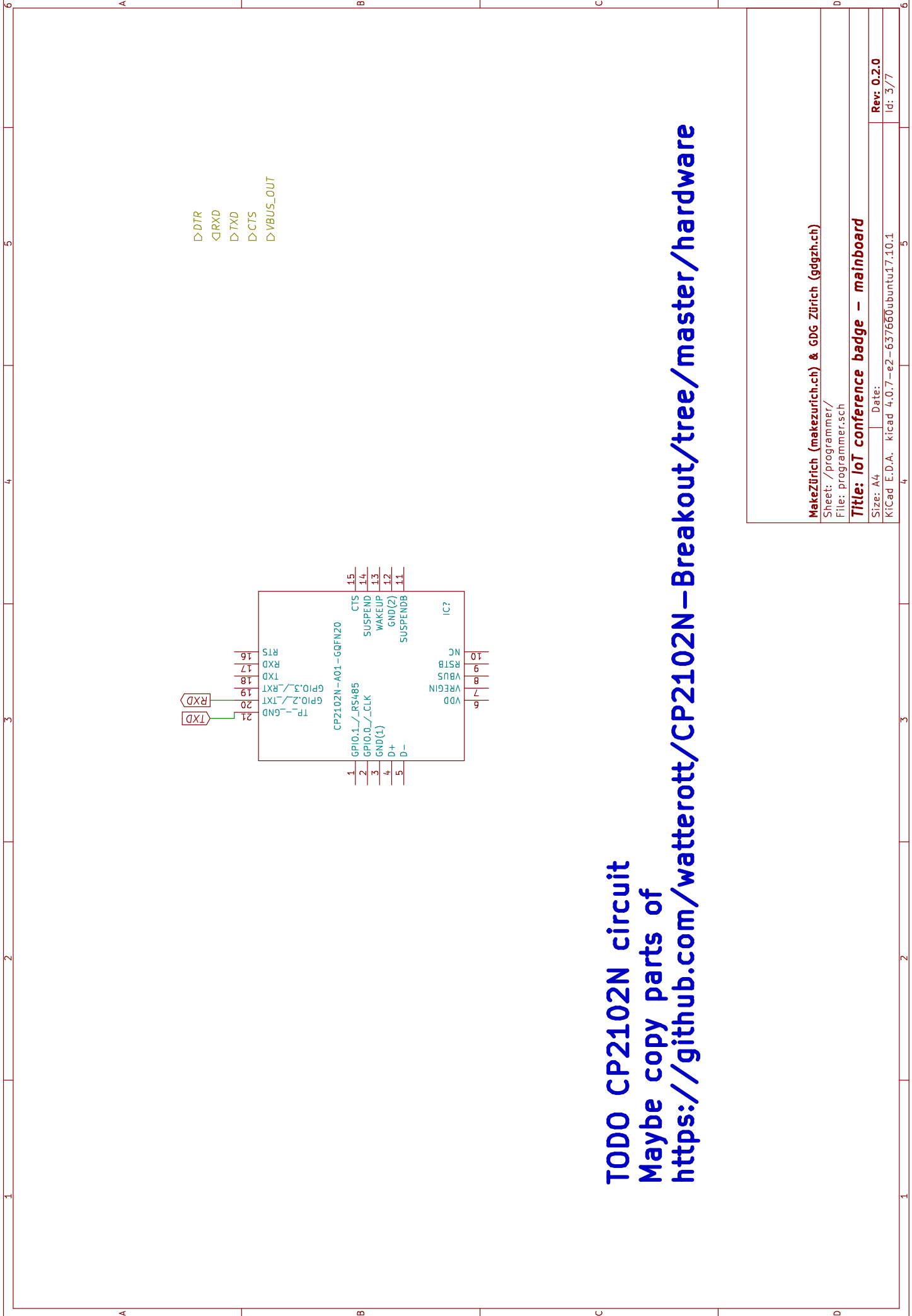
KiCad E.D.A. kicad 4.0.7-e2-637660ubuntu17.10.1

Rev: 0.2.0

Id: 1/7



OS	Ubuntu 17.10.1
Kernel	4.0.7-e2-637660ubuntu17.10.1
Processor	Intel(R) Core(TM) i7-7700HQ CPU @ 2.80GHz
RAM	16GB
Storage	512GB
Network	Intel(R) Dual Band Wireless-AC 8265
Display	15.6" (39.5cm) FHD (1920x1080) IPS
Keyboard	Backlit
Mouse	TrackPoint
Webcam	720p
Audio	2x 2W speakers
Ports	2x USB-C, 2x USB-A, 1x FireWire, 1x Thunderbolt 3
Security	Fingerprint reader
Warranty	3 years



TODO CP2102N circuit
Maybe copy parts of
<https://github.com/watterott/CP2102N-Breakout/tree/master/hardware>

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Sheet: /programmer/
File: programmer.sch

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1	2	3	4	5	6
A	Either module or copy driver from https://www.waveshare.com/w/upload/8/85/2.9inch_e-Paper_Schematic.pdf				
B	<div>◁DIN</div> <div>◁CLK</div> <div>◁CS</div> <div>◁DC</div> <div>◁RST</div> <div>▷BUSY</div>				
C					
D	<div>MakeZürich (makezurich.ch) & GDC Zürich (gdgzh.ch)</div> <div>Sheet: /EPD/ File: EPD.isch</div> <div>Title: IoT conference badge – mainboard</div> <div>Size: A4 Date:</div> <div>KiCad E.D.A. kicad 4.0.7-e2-637660ubuntu17.10.1</div> <div>Id: 4/7</div> <div>Rev: 0.2.0</div>				
1	2	3	4	5	6



▷VBUS_IN
 ▷1.8_OUT
 ▷3.3_OUT

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Sheet: /power/
File: power.sch

Title: IoT conference badge – mainboard

Size: A4	Date:
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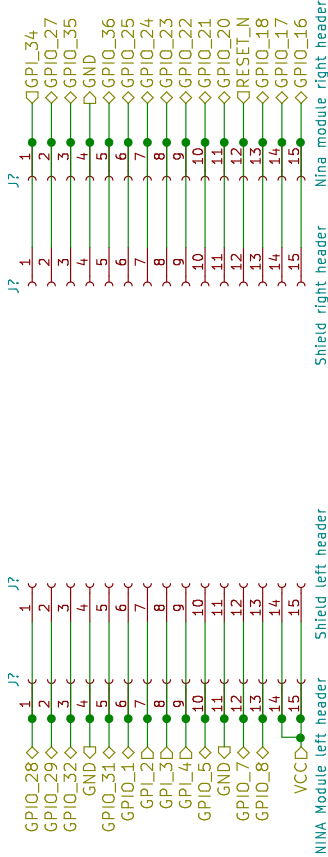
Size	AT	Date
KiCad	E.D.A.	kicad 4.0.7-e2-63766ubuntu17.10.1

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Rev. 0.2
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Sockets to plug—in the NINA–W102 minimal breakout board

shield header will be on the outside



VCC_I0 (PIN 14) is coupled to VCC as we use 3.3v for IO

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Sheet: /NINA-W102-module/

File: NINA-W102-module.sch

Title: IoT conference badge – mainboard

Size: A4 Date: 2018-04-29

KiCad E.D.A. kicad 4.0.7-e2-637660ubuntu17.10.1

Rev: 0.2.0

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