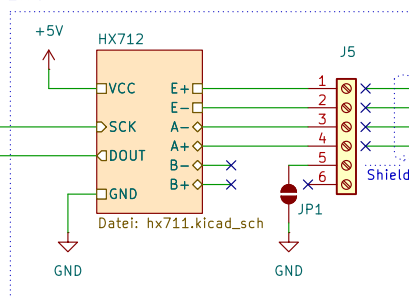
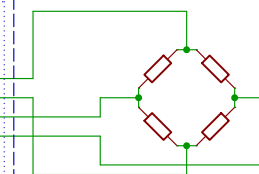


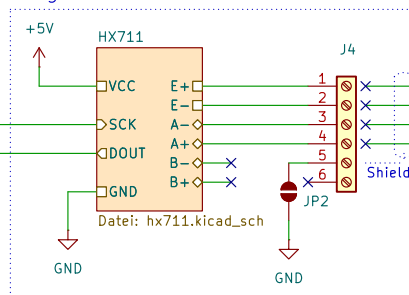
Lift



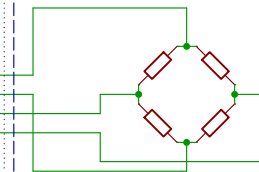
Wheatstone bridge on load cell



Drag



Wheatstone bridge on load cell



Wheatstone Bridge Node  
Excitation+ (E+) or VCC  
Excitation- (E-) or GND  
Output- (O-), Signal- (S-), or Amplifier- (A-)  
O+, S+, or A+

"Typical" Wire Color  
RED  
BLACK or YELLOW  
WHITE  
GREEN or BLUE

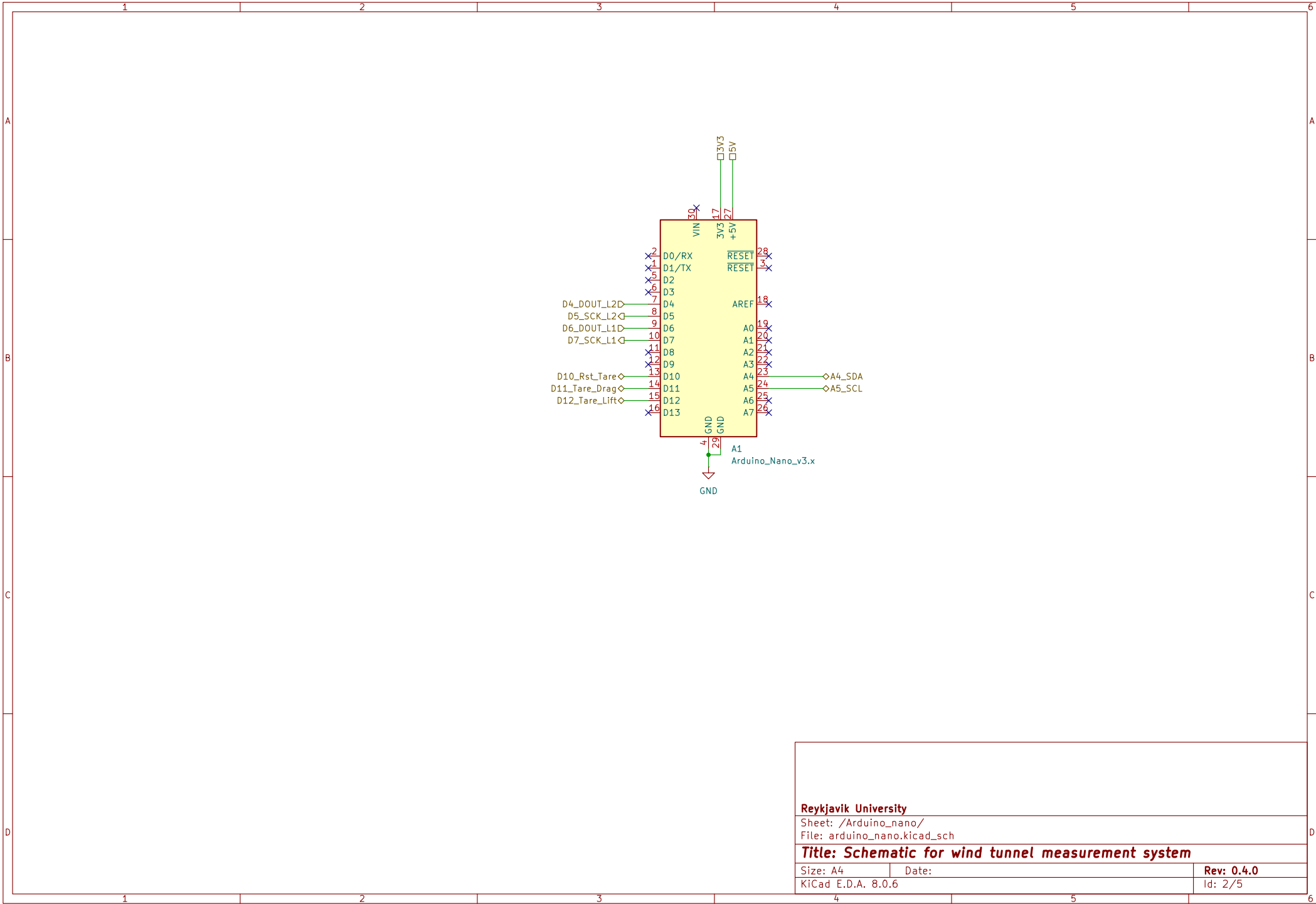
Changelog:	Version
Initial draft	0.1.0
Added sub D9 and screw terminals	0.2.0
Updated to 6x1 screw terminal	
Added solder jumper from E- to GND because Infineon paper talks about it	
Added pin header to connect ribbon cable to pcb	0.3.0
Canged order of ribbon connector for easier routing	0.4.0
Change pin names and add infos lables for lift and drag	

Matthias Reiser  
Reykjavik University

Sheet: /  
File: Windtunnel\_Schematic.kicad\_sch

**Title: Schematic for wind tunnel measurement system**

Size: A4	Date:	Rev: 0.4.0
KiCad E.D.A. 8.0.6		Id: 1/5



Reykjavik University

Sheet: /Arduino\_nano/  
File: arduino\_nano.kicad\_sch

**Title: Schematic for wind tunnel measurement system**

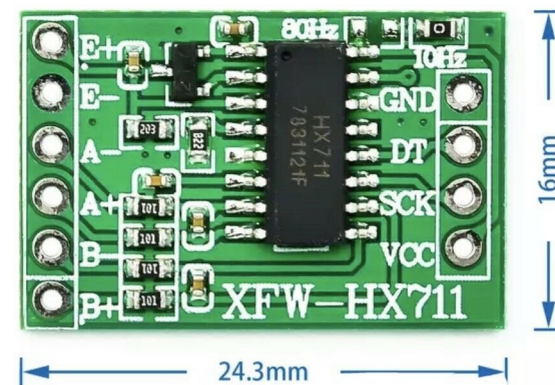
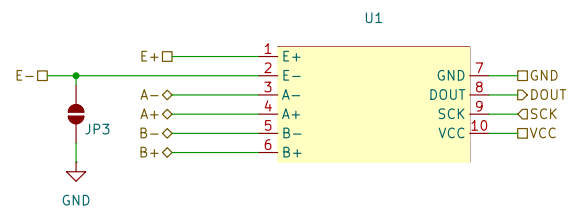
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Date:

Rev: 0.4.0

KiCad E.D.A. 8.0.6

Id: 2/5



Added custom footprint and symbol for xfw-HX711  
Add solder jumper from E- to GND, because infineon suggests it

Infineon application note can be found in Docs/Datasheets/HX711\_v0\_0\_B-2.pdf

Reykjavik University

Sheet: /HX711/

File: hx711.kicad\_sch

**Title: Schematic for wind tunnel measurement system**

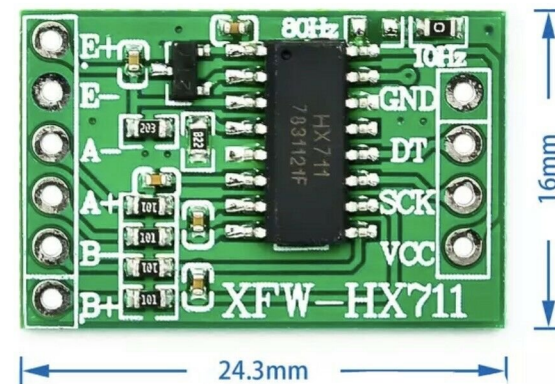
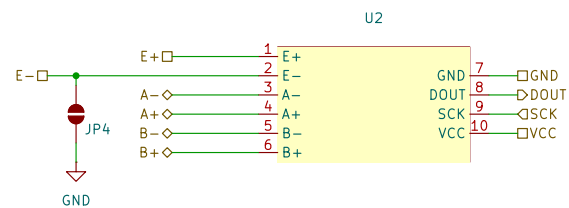
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Date:

Rev: 0.4.0

KiCad E.D.A. 8.0.6

Id: 3/5



Added custom footprint and symbol for xfw-HX711  
Add solder jumper from E- to GND, because infineon suggests it

Infineon application note can be found in Docs/Datasheets/HX711\_v0\_0\_B-2.pdf

Reykjavik University

Sheet: /HX712/

File: hx711.kicad\_sch

**Title: Schematic for wind tunnel measurement system**

Size: A4

Date:

Rev: 0.4.0

KiCad E.D.A. 8.0.6

Id: 4/5

