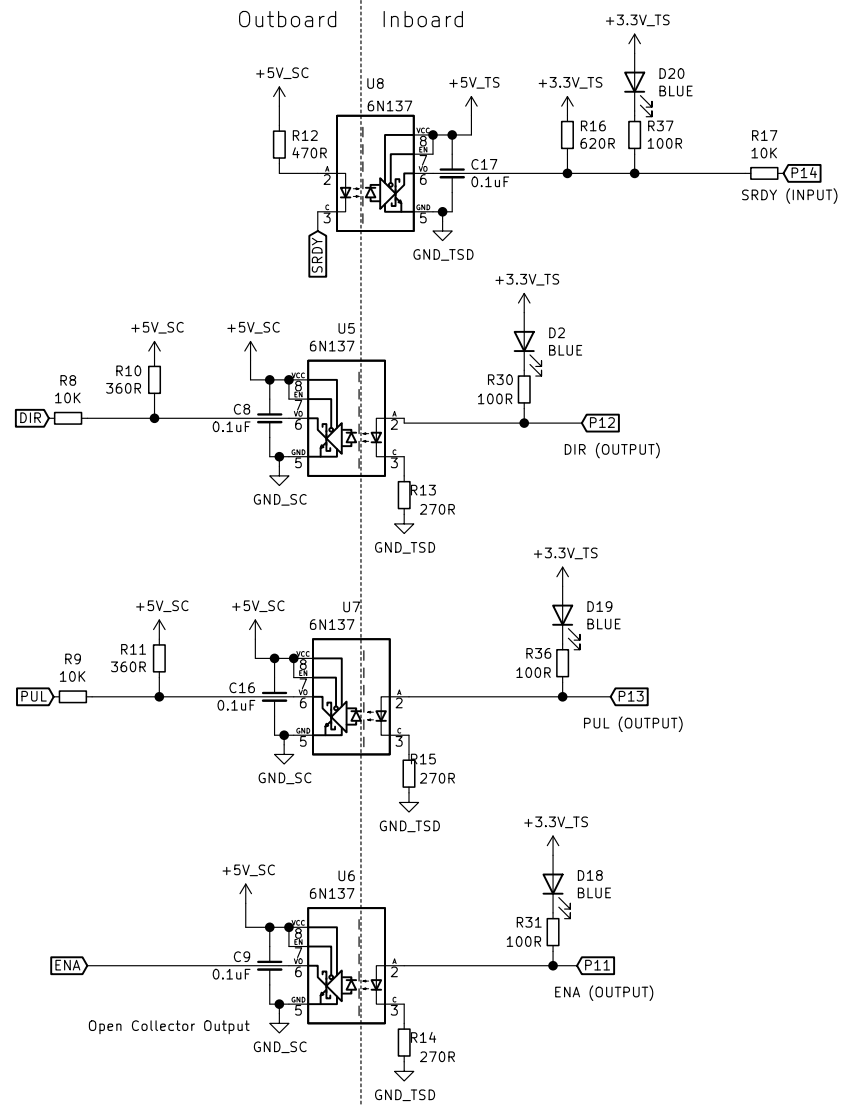
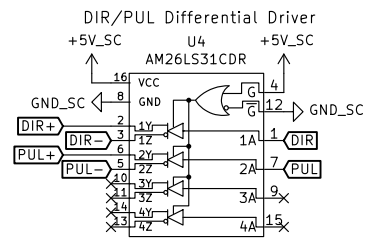
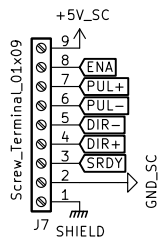


Servo Controller Screw Terminal



Sheet: /Servo\_Controller/  
File: Servo\_Controller.sch

**Title: Tensile Board**

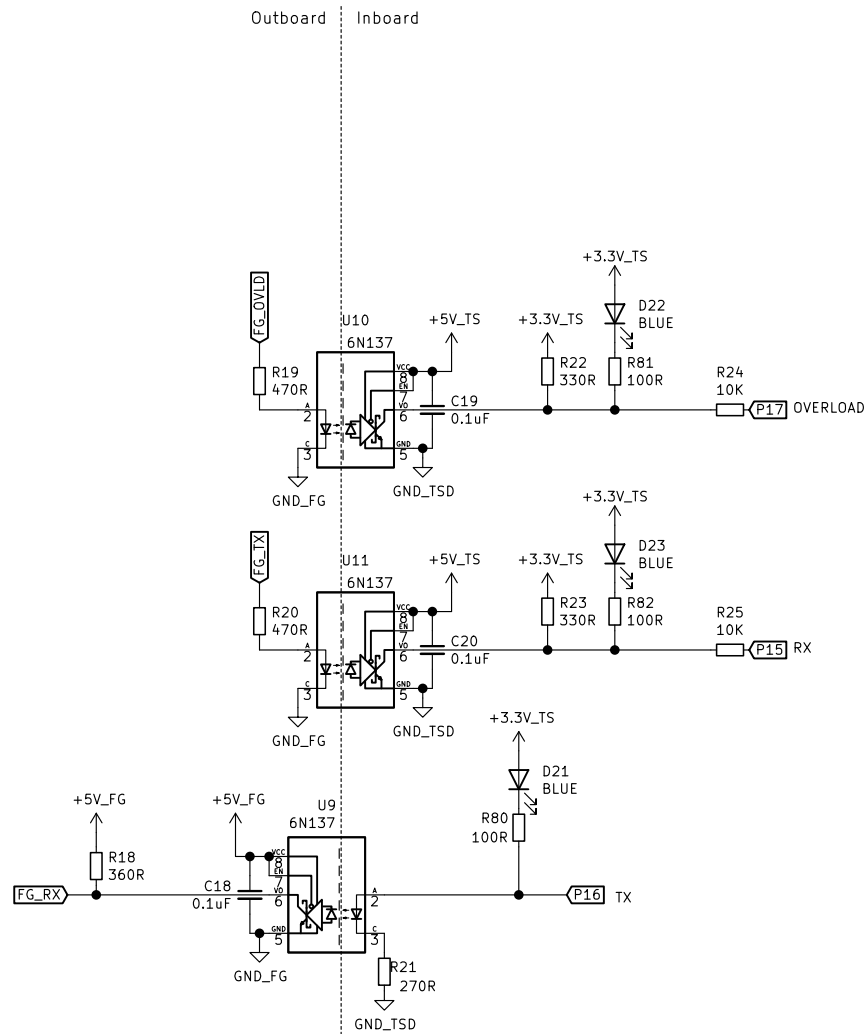
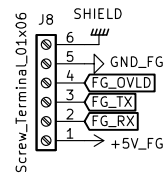
Size: A4 Date: 2021-02-23

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Force Gauge Screw Terminal



Sheet: /Force\_Gauge/  
File: Force\_Gauge.sch

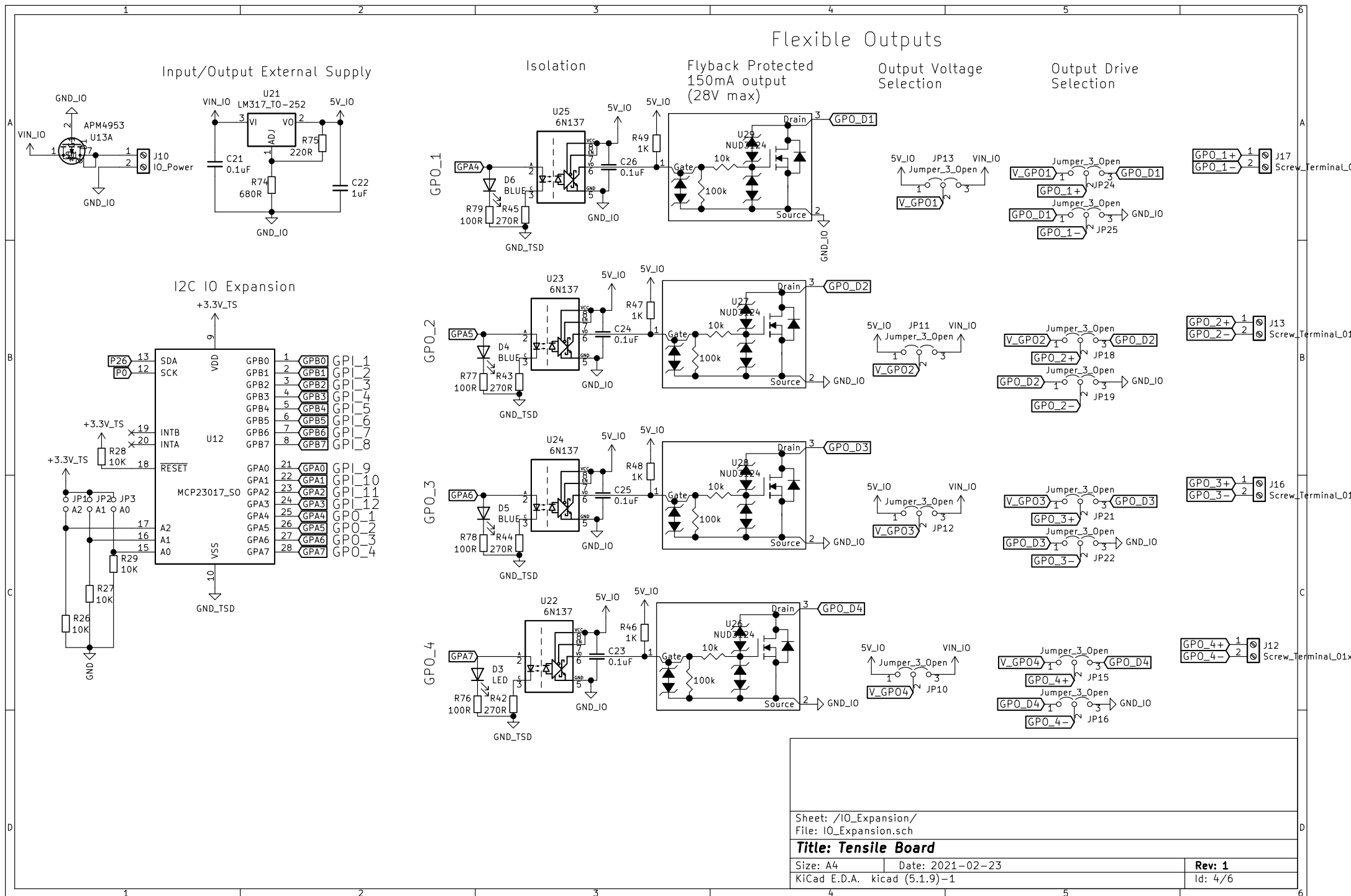
**Title: Tensile Board**

Size: A4 Date: 2021-02-23

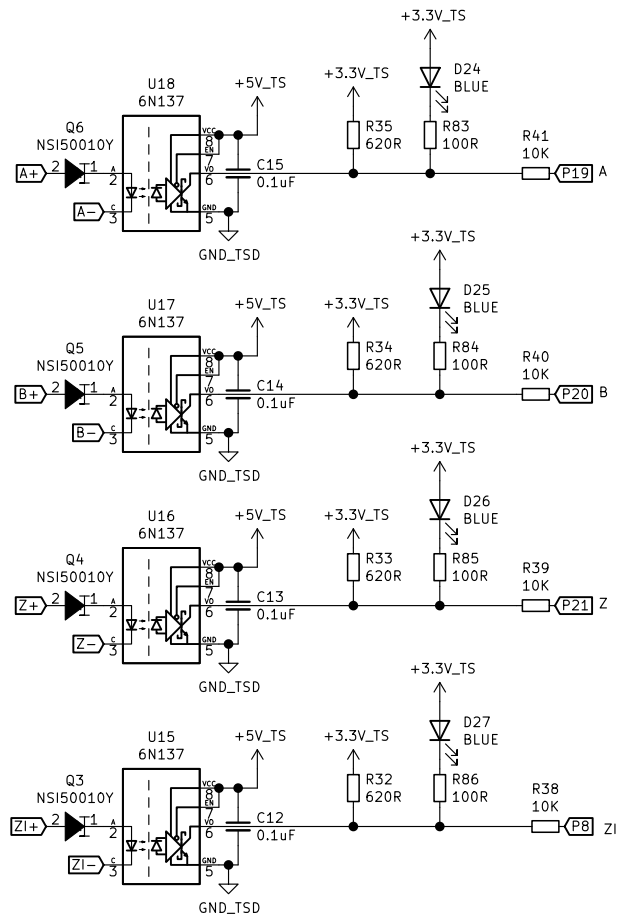
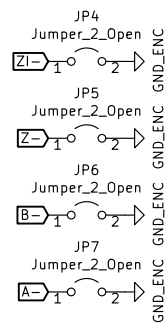
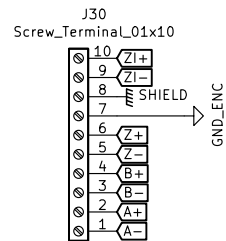
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**Rev: 1**

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# Distance Encoder



## Notes:

- NSI50010Y is a 10mA constant current regulating diode that can operate upto 50V. Allowing wide range of input voltages.
- JP4-JP9 are jumpers used to bypass the line reciever when a non-differential signal is used.

Sheet: /Distance\_Gauge/  
File: Distance\_Gauge.sch

## Title: Tensile Board

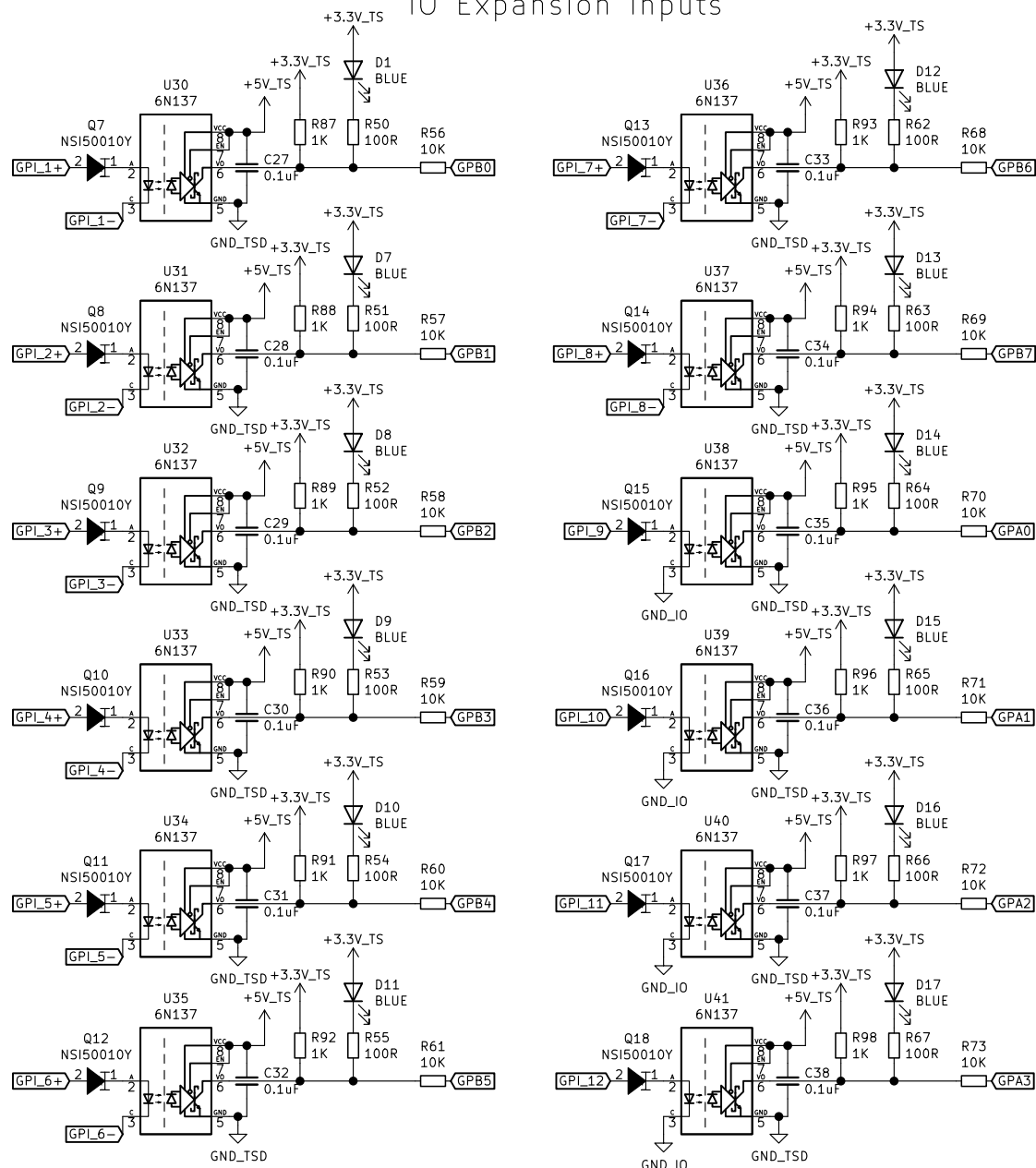
Size: A4 Date: 2021-02-23

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# IO Expansion Inputs



GPI_1+	1	J18
GPI_1-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_2+	1	J19
GPI_2-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_3+	1	J20
GPI_3-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_4+	1	J21
GPI_4-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_5+	1	J22
GPI_5-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_6+	1	J23
GPI_6-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_7+	1	J24
GPI_7-	2	Screw_Terminal_01x03
SHIELD	3	
GPI_8+	1	J25
GPI_8-	2	Screw_Terminal_01x03
SHIELD	3	
5V_I/O	1	J26
GPI_9	2	Screw_Terminal_01x03
SHIELD	3	
5V_I/O	1	J27
GPI_10	2	Screw_Terminal_01x03
SHIELD	3	
5V_I/O	1	J28
GPI_11	2	Screw_Terminal_01x03
SHIELD	3	
5V_I/O	1	J29
GPI_12	2	Screw_Terminal_01x03
SHIELD	3	

Sheet: /IO\_Expansion\_Inputs/  
File: IO\_Expansion\_Inputs.sch

**Title: Tensile Board**

Size: A4 Date: 2021-02-23

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Rev: 1

Id: 6/6