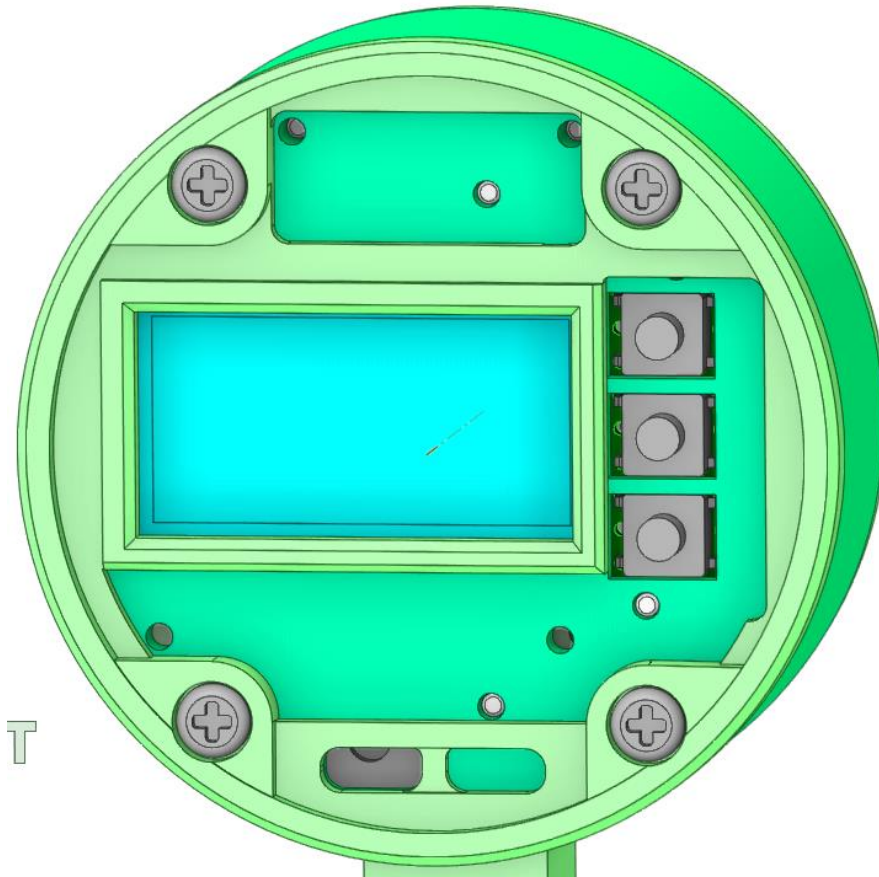
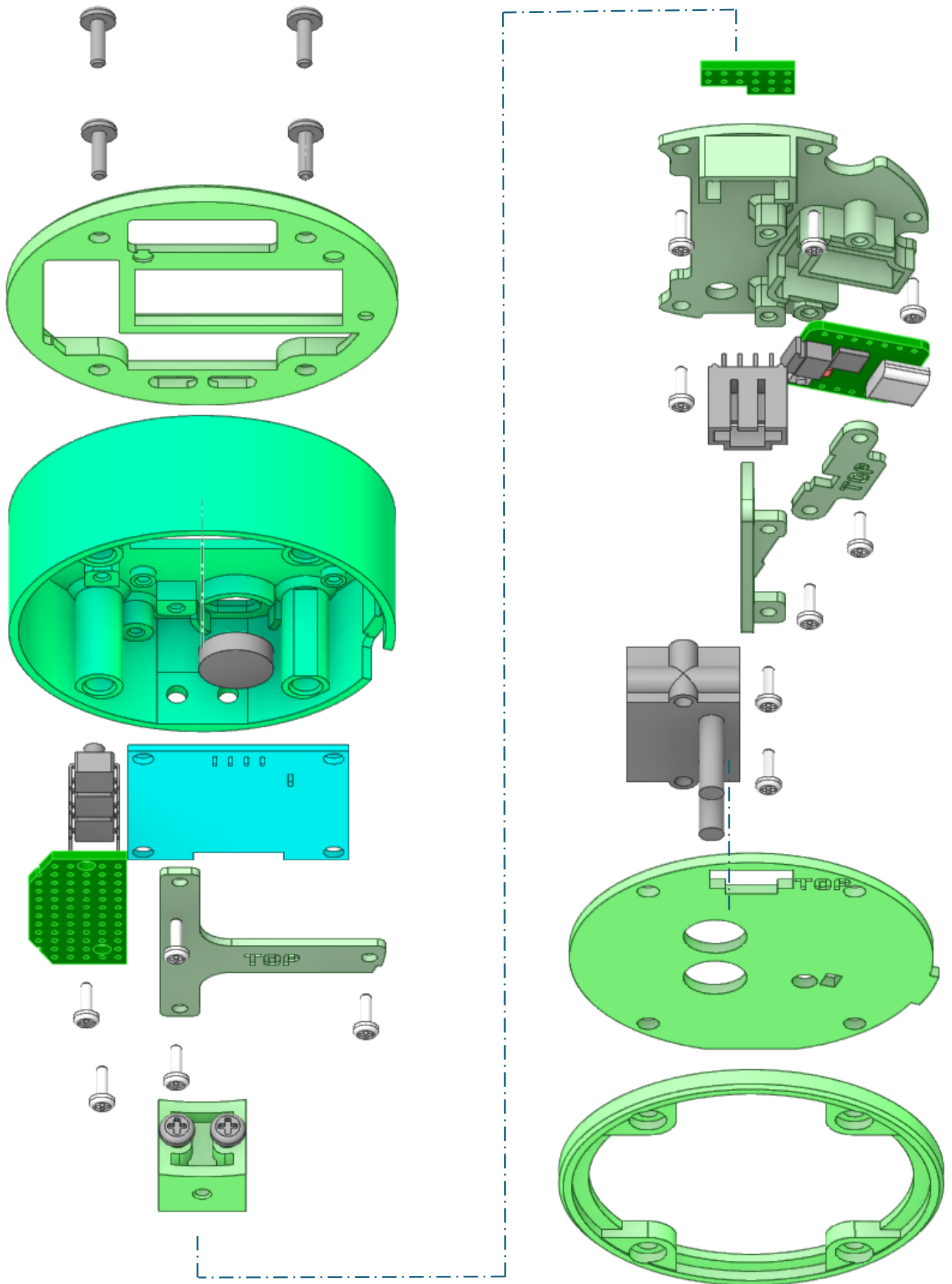


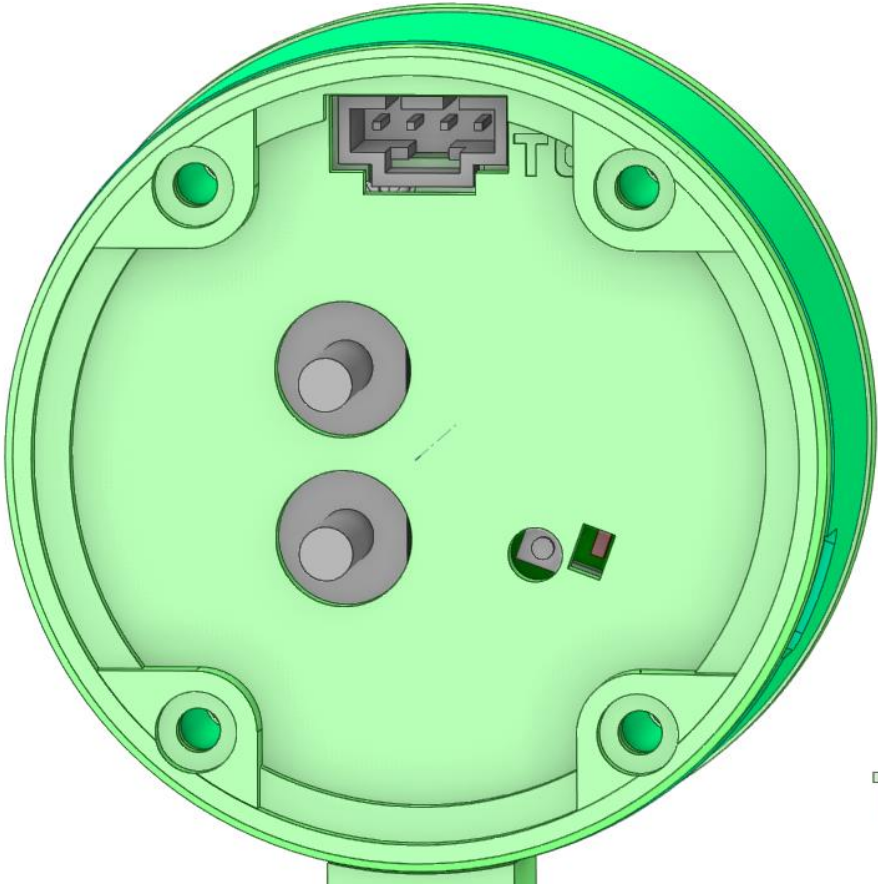
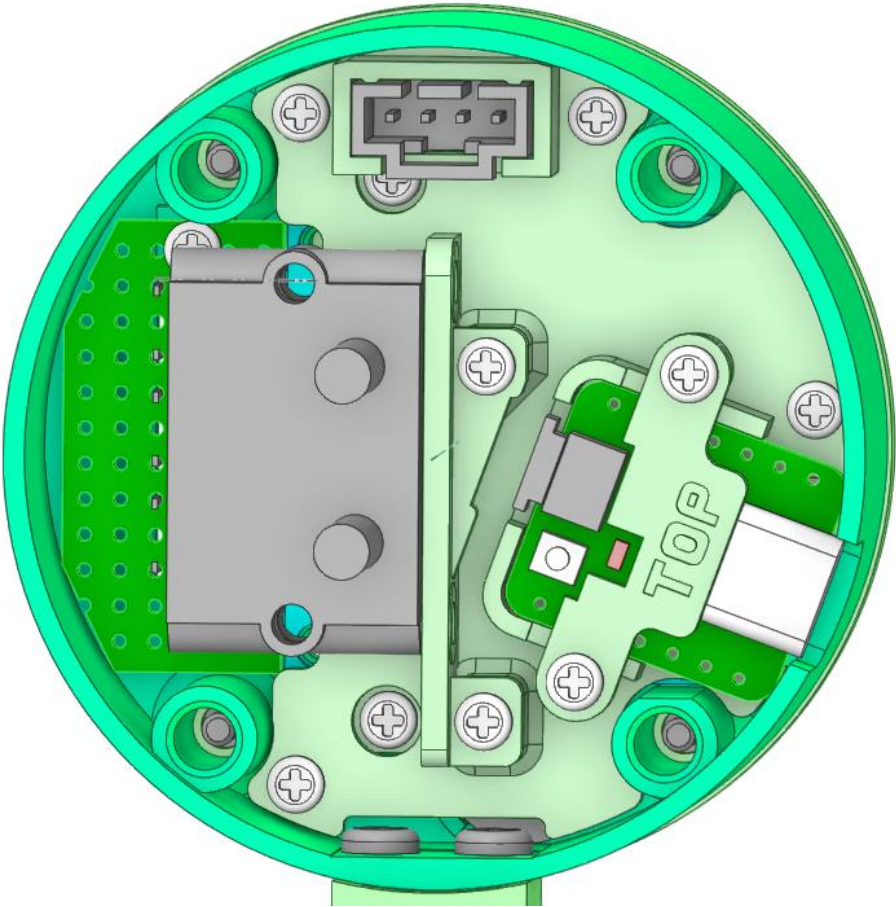
# Pressure Gauge (DesignSpark)



# Exploded View (threaded inserts not shown)



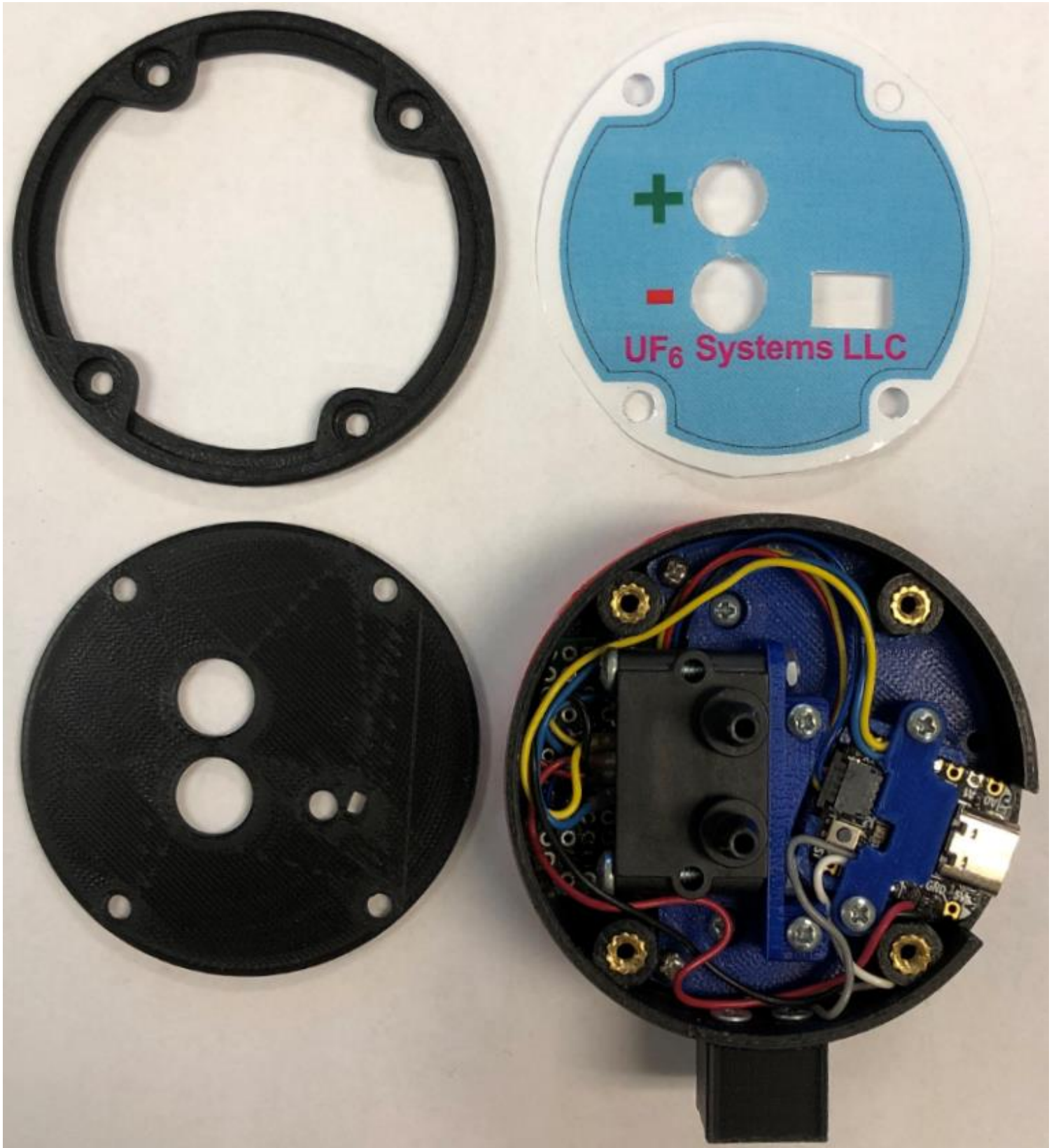
Read View (Open and Closed)



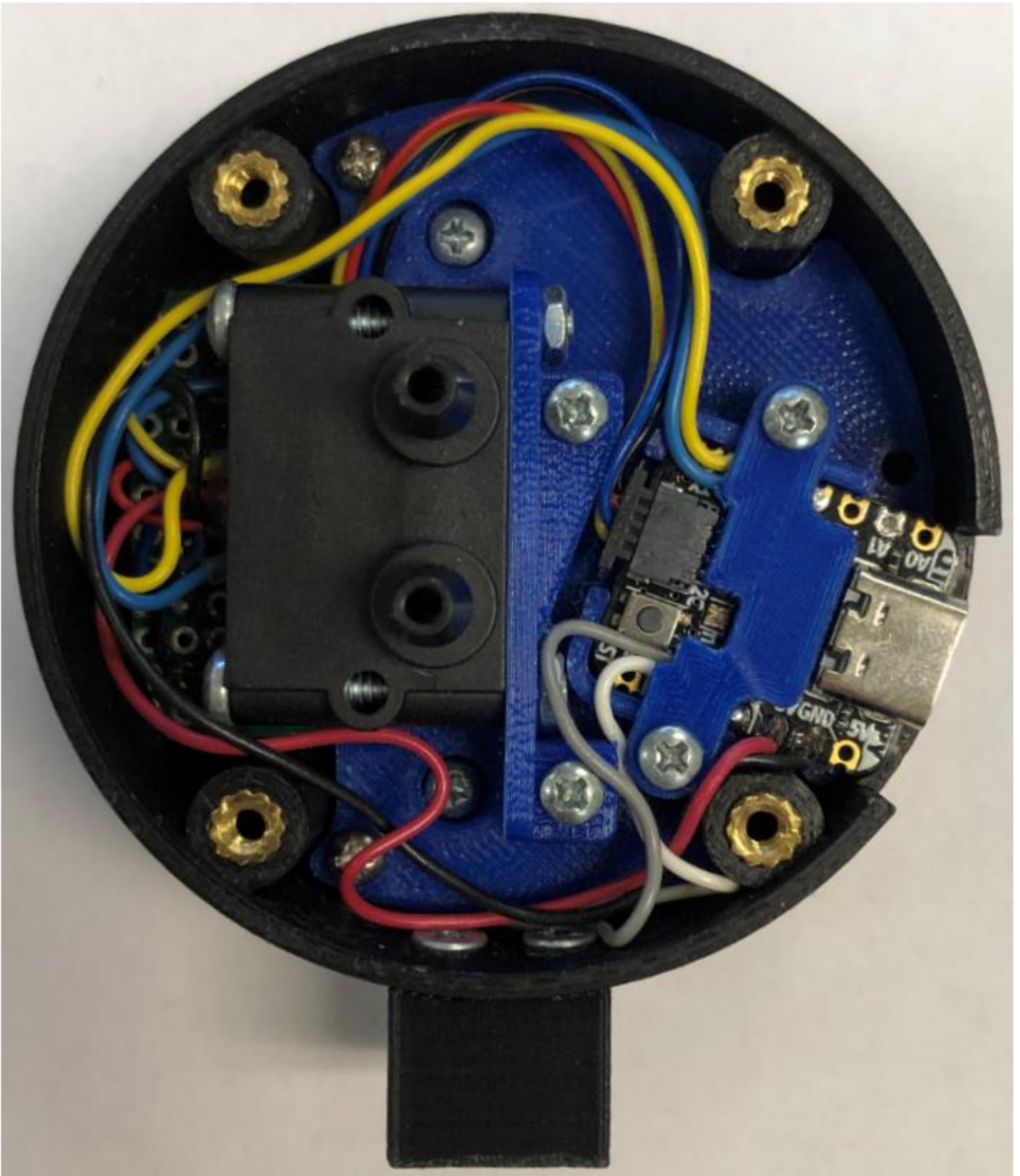
# Front bezel with label



Rear bezel with label



# Internal View



Side View showing USB-C connector for power and programming



Rear View showing pressure ports



# BOM (Bill of Materials)

Line	Qty	Type	Description	Part Num	Price
1	8	Insert	4-40 0.135"L HeatSetforPlastic Brass	94459A250	\$9.91(50)
2	8	Screw	4-40 5/16"L PanHead Phillips Steel BlackOxide	92224A113	\$5.64(100)
3	12	Screw	#2 1/4"L RoundHead Phillips 18-8SS	92525A110	\$5.39(100)
4	2	Screw	#4 5/16" RoundHead SheetMetalBlunt 18-8SS	92525A203	\$5.11(100)
5	1	PCB	Adafruit QT Py SAMD21 Dev Board	4600	\$7.50(1)
6	1	Sensor	DiffPressure -0.5kPa-0.5kPa (-0.07PSI-0.07PSI)	SDP816-500PA	\$29.39(1)
7	3	Switch	Tactile 6mmBody 6mmActuator Thruhole	TS02-66-60-BK-160-LCR-D	\$0.93(10)
8	1	Connector	Molex Header Vertical 2.54mm 3P Shrouded	705430037	\$0.82(1)
9	1	Buzzer	Piezo 3V 12.2mmD 6.5mmH	PS1240P02BT	\$0.57(1)
10	1	printPLA	FrontBezel		
11	1	printPLA	MainBody		
12	1	printPLA	OLEDMount		
13	1	printPLA	MountingPlate		
14	1	printPLA	SensorMount		
15	1	printPLA	QTPyMount		
16	1	printPLA	RearPanel		
17	1	printPLA	RearBezel		
18	1	printPLA	BottomPort		



## Hosyond 5 Pcs 1.3 Inch IIC I2C OLED Display Module 128x64 Pixel SH1106 Screen Module Compatible with Arduino/Raspberry Pi (Blue)

Visit the Hosyond Store

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50+ bought in past month

\$17<sup>99</sup>

Price history

✓prime Tomorrow

FREE Returns

Save up to 7% with business pricing. Sign up for a free Amazon Business account

Color: Blue





Image shown is a representation only. Exact specifications should be obtained from the product data sheet.



### SDP816-500PA

<b>DigiKey Part Number</b>	1649-1076-ND
<b>Manufacturer</b>	<a href="#">Sensirion AG</a>
<b>Manufacturer Product Number</b>	SDP816-500PA
<b>Description</b>	SENSOR 0.07PSID 0.2" 4.5V

**In-Stock: 210**

[Check for Additional Incoming Stock](#)

QUANTITY

Add to List

Add to Cart

All prices are in USD

#### Tray

QUANTITY	UNIT PRICE	EXT PRICE
1	\$29.39000	\$29.39
5	\$26.94000	\$134.70
10	\$26.02800	\$260.28
25	\$24.93720	\$623.43
80	\$23.71963	\$1,897.57
160	\$23.07344	\$3,691.75

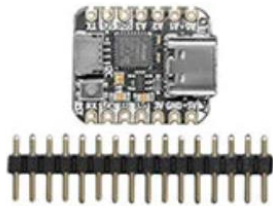


Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

### 4600

<b>DigiKey Part Number</b>	1528-4600-ND
<b>Manufacturer</b>	<a href="#">Adafruit Industries LLC</a>
<b>Manufacturer Product Number</b>	4600
<b>Description</b>	QT PY SAMD21 WITH STEMMA QT

**In-Stock: 476**

[Check for Additional Incoming Stock](#)

QUANTITY

Add to List

Add to Cart

All prices are in USD

#### Bulk

QUANTITY	UNIT PRICE	EXT PRICE
1	\$7.50000	\$7.50
<b>Manufacturers Standard Package</b>		



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

### TS02-66-60-BK-160-LCR-D

DigiKey Part Number	2223-TS02-66-60-BK-160-LCR-D-ND
Manufacturer	Same Sky (Formerly CUI Devices)
Manufacturer Product Number	TS02-66-60-BK-160-LCR-D
Description	SWITCH TACTILE SPST-NO 0.05A 12V

In-Stock: 9,209

[Check for Additional Incoming Stock](#)

QUANTITY

Add to List

Add to Cart

All prices are in USD

#### Bag

QUANTITY	UNIT PRICE	EXT PRICE
1	\$0.10000	\$0.10
10	\$0.09300	\$0.93
25	\$0.08720	\$2.18
100	\$0.07880	\$7.88

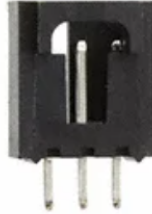


Image shown is a representation only. Exact specifications should be obtained from the product data sheet.



### 0705430037

DigiKey Part Number	WM4825-ND
Manufacturer	Molex
Manufacturer Product Number	0705430037
Description	CONN HEADER VERT 3POS 2.54MM

In-Stock: 36,111

[Check for Additional Incoming Stock](#)

QUANTITY

Add to List

Add to Cart

All prices are in USD

#### Tube

QUANTITY	UNIT PRICE	EXT PRICE
1	\$0.82000	\$0.82
52	\$0.62288	\$32.39
104	\$0.59317	\$61.69
520	\$0.52942	\$275.30
1,040	\$0.50413	\$524.30
5,044	\$0.45099	\$2,274.79



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

## PS1240P02BT

<b>DigiKey Part Number</b>	445-2525-1-ND - Cut Tape (CT) 445-2525-3-ND - Tape & Box (TB)
<b>Manufacturer</b>	<b>TDK</b>
<b>Manufacturer Product Number</b>	PS1240P02BT
<b>Description</b>	BUZZER PIEZO 3V 12.2MM TH

**In-Stock: 31,010**

[Check for Additional Incoming Stock](#)

QUANTITY

Add to List

Add to Cart

All prices are in USD

### Cut Tape (CT)

QUANTITY	UNIT PRICE	EXT PRICE
1	\$0.57000	\$0.57
10	\$0.44800	\$4.48
25	\$0.40720	\$10.18
50	\$0.37880	\$18.94
100	\$0.35270	\$35.27