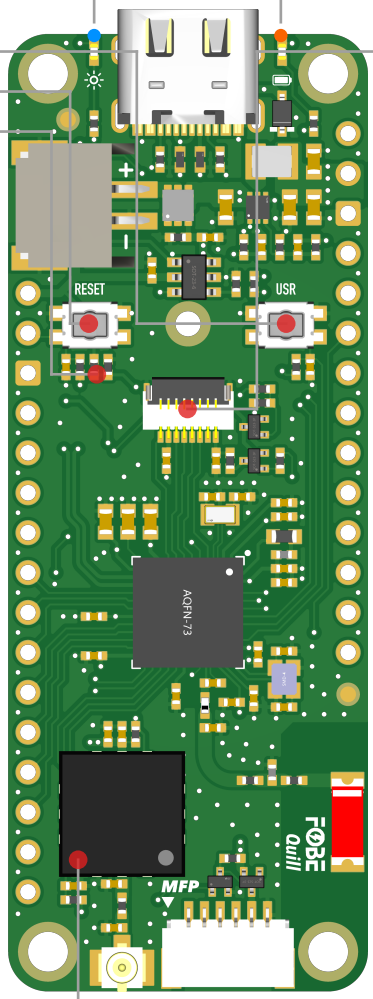
Quill nRF52840 Mesh

Devlopment Board for Compact IoT Projects

- ● 3.3V IO Operating Vlotage
- ▼ Pull-Down to enable
- ▲ Pull-Up to enable
- ▼ Low level is detected
- ▲ High level is detected



	CHARGE		
	USB TYPE-C		
▼ P1.15	USR LED		
▼ P1.10	USR BTN		
▼ P0.18	RESET BTN		
AIN3 P0.05	BAT DET		
	BAT PH2.0		
▼ P1.13	CHARGING		
Test-Point	NTC		
	BAT	1	
P0.18	RESET	2	
	GND	3	
P1.08	D13	4	
P0.11	D12	5	
P0.14	D11	6	
P0.16	D10	7	
SCK P0.13	D9	8	
MOSI P0.15	D8	9	
MISO P0.17	D7	10	
SDA P0.20	D6	11	
SCL P0.22	D5	12	
TX P0.24	D4	13	
RX P1.00	D3	14	
	SWDIO		
	SWCLK		

DISPLAY	EN	P0.07	▼
	SDA	P1.08	
	SCL	P1.09	
	NSS	P0.12	
	RS	P0.06	
	RESET	P0.26	
	BLK	P0.27	▼

28	VBUS		
27	3V3 OUT		
26	GND		
25	3V3 EN		▲
24	REF	P0.04	AIN2
23	D2	P1.14	
22	D1	P1.11	
21	D0	P1.12	
20	A5	P0.30	AIN6
19	A4	P0.31	AIN7
18	A3	P0.29	AIN5
17	A2	P0.02	AIN0
16	A1	P0.28	AIN4
15	A0	P0.03	AIN1

BLE

P0.19	MISO	
P0.21	MOSI	
P0.23	SCK	
P1.01	NSS	
P1.06	RESET	
▲ P1.04	BUSY	
▲ P1.02	DIO1	
▲ P0.25	RFSW	

SX1262

Sub-GHz

1	P1.05		
2	P1.07		
3	P0.09	NFC1	
4	P0.10	NFC2	
5	PERI 3V3	P1.03	▲
6	GND		

MFP SH1.0

1.14 inch IPS
ST7789V
SPI Display

Only 3.7V Li-Ion/LiPo battery.
The battery voltage is measured through a voltage divider consisting of 1 MΩ (top) and 1.5 MΩ (bottom) resistors connected to the ADC pin.

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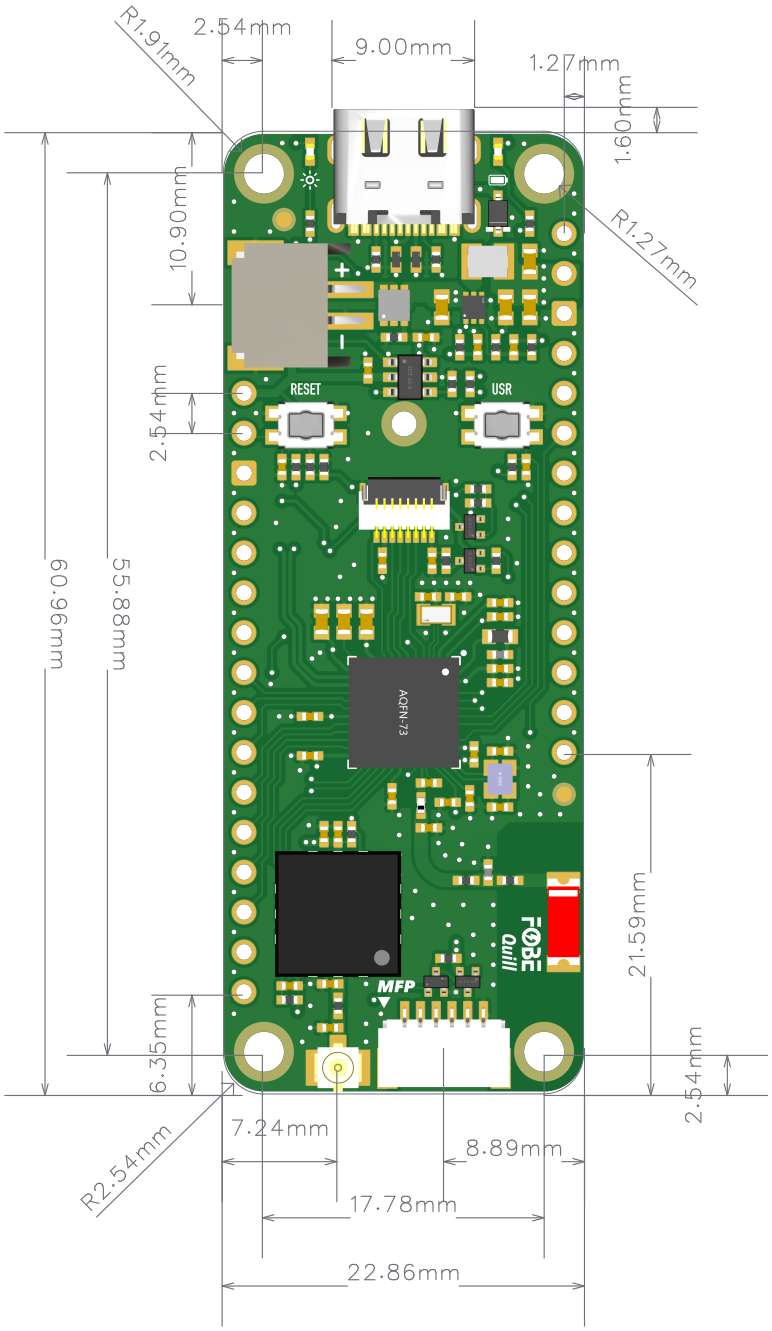

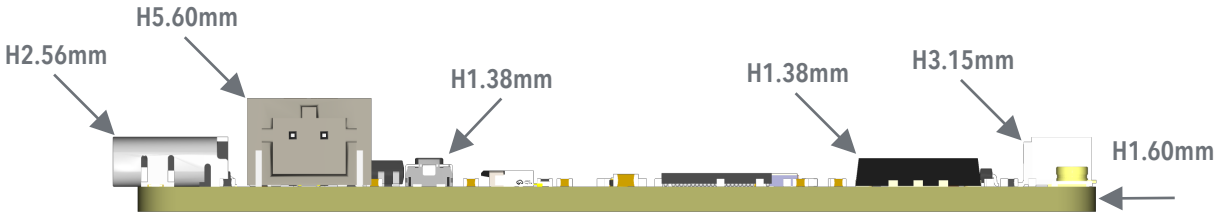

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