TOP VIEW

OLED Display Connector

STM32 SWD interface

#1: VCC
#2: GND
#3: SWCK
#4: SWDIO
#5: external ON/OFF

USB Connector

General Purpose Push-Button Switch

Extension Port
Position 1: digital GPIO (PA6)
Position 2: digital GPIO (PA4)
Position 3: digital GPIO (PA3)
Position 4: digital GPIO (PA2)
Position 5: VCC_LDO (OFF or 3.3V)
Position 6: digital GPIO (PA1)
Position 7: digital GPIO (PA0)
Position 8: GND
Position 9: digital GPIO (PB8)
Position 10: digital GPIO (PB9)

ON/OFF Push-Button Switch

Battery Connector

LED D4
LR VH9F-P2R1-1-Z
RED
Controlled by MCU

LED D1
LA VH9F-Q1R2-24-Z
AMBER
USB charging indicator
(ON if USB power applied)

STM32 SWD interface

BLE Module
SWD interface

Manual reset push-button switch

BOTTOM VIEW