

# MCU Board Pinout

Friday, November 29, 2024 10:11 PM

STM32 Pin	Connected Component	Purpose/Description	Peripheral Mapped To
PA10 /D0	Fan (PWM Output)	Outputs PWM signal to control fan speed.	TIM1_CH3
PA3 /A2	Potentiometer (Wiper)	Reads analog voltage to control fan speed.	ADC1_IN8
PB0 /D3	Voltage Divider	Reads battery voltage for monitoring.	ADC1_IN15
PB6 /D5	LCD (I2C SCL)	I2C Clock line for LCD.	I2C1_SCL
PB7 /D4	LCD (I2C SDA)	I2C Data line for LCD.	I2C1_SDA
PA11 /D10	Fan Tachometer (Digital In)	Reads fan speed by capturing pulses.	TIM1_CH4

