# STM32F4 Pin Assignments

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| Function | Pin | Configuration / AF |
| I2C1 SCL | PB6 | Alternate Function 4 (I2C1 SCL) |
| I2C1 SDA | PB7 | Alternate Function 4 (I2C1 SDA) |
| USART2 TX | PA2 ( dây usb ) | Alternate Function 7 (USART2 TX) |
| Motor IN2 (DIR) | PA0 | GPIO Output |
| Motor IN1 (DIR) | PA1 | GPIO Output |
| Motor IN4 (DIR) | PA5 | GPIO Output |
| Motor IN3 (DIR) | PA6 | GPIO Output |
| PWM ENB (TIM1\_CH1) | PA8 | Alternate Function 1 (TIM1 CH1) |
| PWM ENA (TIM1\_CH2) | PA9 | Alternate Function 1 (TIM1 CH2) |

GND và VCC tự do