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| **PIN** | **Function** | **Type** |
| PA\_0 | Encoder Phase A | Digital Input |
| PA\_1 | Encoder Phase B | Digital Input |
| PB\_0 | Current sensor | Analog Input |
| PC\_0 | Target Omega | Analog Input |
| PC\_13 | User Button (Toggle State) | Digital Input |
| PA\_3 | PWM control motor | Digital Output |
| PA\_5 | Led State | Digital Output |