Development Manual

BLDC Servo Motor

August Bernberg

October 23, 2025

Project Resources

CAD Files:
Google Drive Link to .asc File
PCB Files:
Google Drive Link to .asc File

Contents

1 Dimensions

2 Resource

All driver libs(STM32 Drivers) included in `motor_src/Drivers/*`

Appendix: Component List

Table 1: Bill of Materials

Component	Value/Part	Qty	Notes
Op-Amp	LM741	2	General purpose
Resistor	$1k\Omega$	3	5% tolerance
Resistor	$10k\Omega$	2	5% tolerance
Capacitor	$1\mu F$	2	Electrolytic
LED	Red 5mm	1	Standard