Engineering Specifications Sheet

**Project Name:** BLDC Motor Driver

# 1.0 Purpose

To control a 3-phase BLDC motor through sensored or sensorless operation. Can also control brushed DC motor for other applications

# 2.0 Required Specifications

Input Voltage: 12-48V

Hall effect/ABI encoder input

Continuous Output Current: 65A

Impulse Current (2sec): 100A

Capable of braking system

# 2.1 Requested Optional Specifications

Bluetooth control system (less wiring) (Could be potential safety issue)

# 3.0 System Inputs (define voltage levels and signal types)

# 3.1 System Outputs (define voltage levels and signal types)

# 4.0 Checklist

* Schematic given
* Recommended layout given
* Requester will supply components
* BOM supplied

# 5.0 Questions

# 6.0 Changelog

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| Change Description | Change Date | Project Requester | Project Manager |
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