



ZIKODRIVE 2 Brushless DC Motor controller - Technical Datasheet (REV-A)



Product Definition: A high quality, easy to use Brushless DC motor controller designed and manufactured in United Kingdom.

Key Features:

- Efficient
- UART Connectivity
- Dedicated Software
- Programmable Output Pin
- Analogue speed and direction control
- 4 Quadrant Bipolar Operation
- Self-Optimisation
- Easy to operate
- Clean and compact design

Technical Specifications:

Specification	Value
Maximum Power	1400 W
Rated Power	700 W
Drive Method	High Frequency Sensor less Trapezoidal
Minimum Voltage	8 V
Analogue Input	0-3.3 V
Operating Temperature	-20 to 85 Celsius
Weight (Without Casing)	95 g
Weight (With Casing)	300 g
Maximum Voltage	54 V
Running Current	15 A
Maximum Current	30 A
UL Rating	ULV94
ROHS Compliant	Yes
REACH Compliant	No
Country of Origin	UK
Overtemperature Protection	Yes
Header Pin Pitch	2.54 mm
2-way and 3-way Connectors Pitch	7.62 mm

**** NOTE:** Under certain operating conditions (for example high current, low speed at a relatively high ambient temperature and 100% duty cycle), the controller will get hot. Care must be taken to ensure the unit is adequately heatsinked and cooled in such circumstances. If you have a specific requirement or application where this may be relevant, then please contact our team to discuss suitability and we will be happy to advise.

Connections:

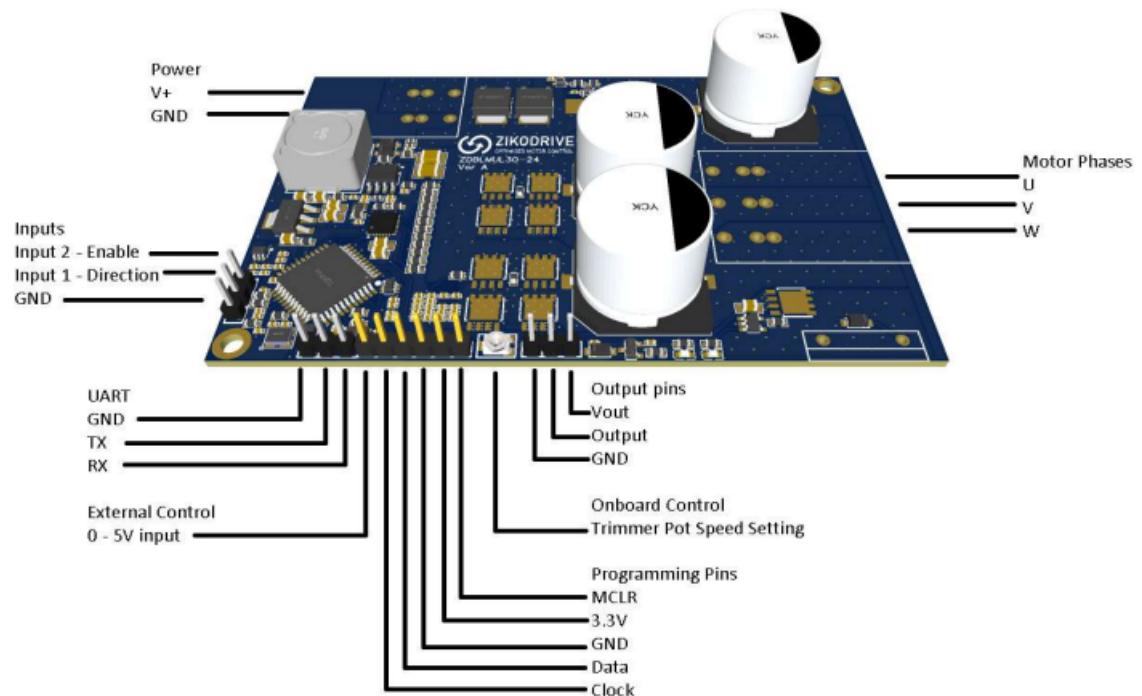


Figure 1: ZIKODRIVE 2 Terminal Connections

Dimensions:

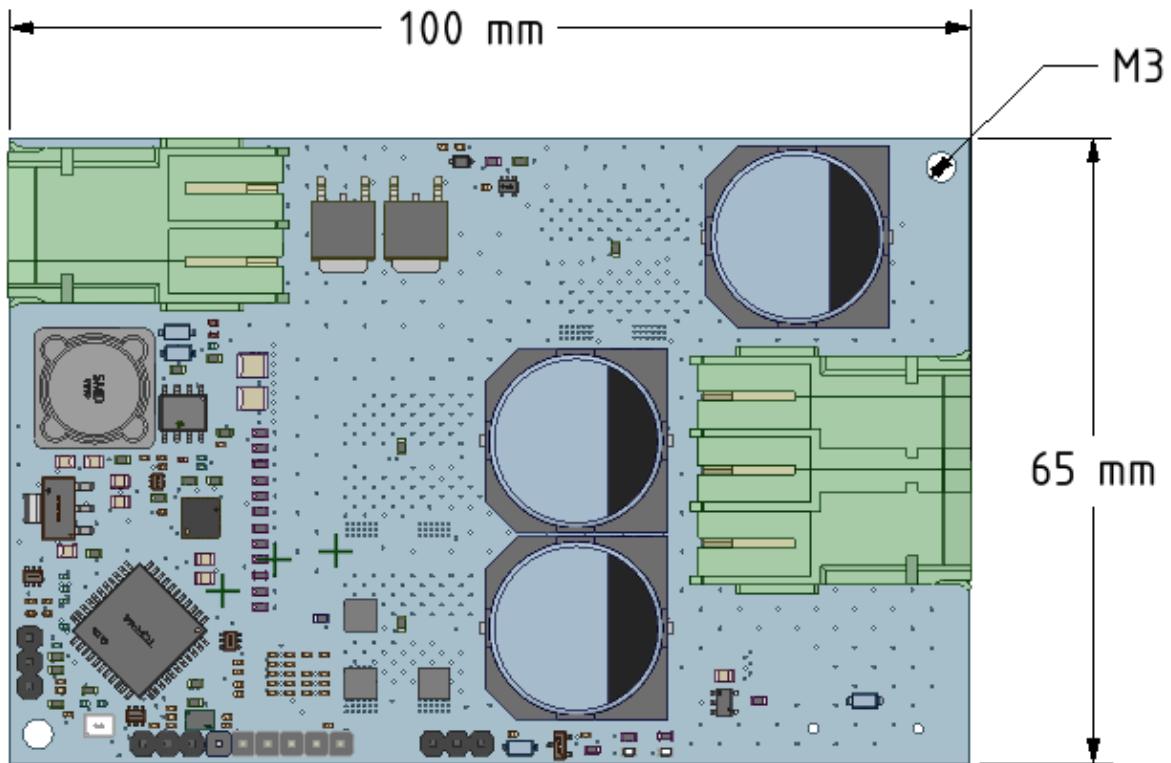


Figure 2: ZIKODRIVE 2 Top View (Without Casing)

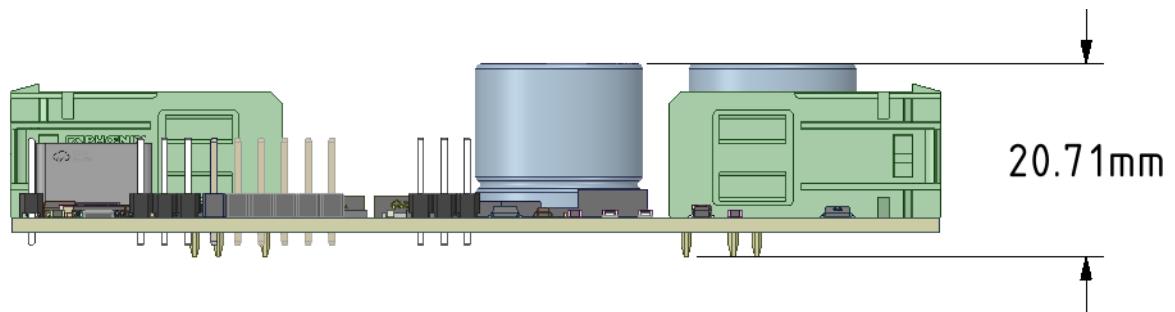


Figure 3: ZIKODRIVE 2 Side View (Without Casing)

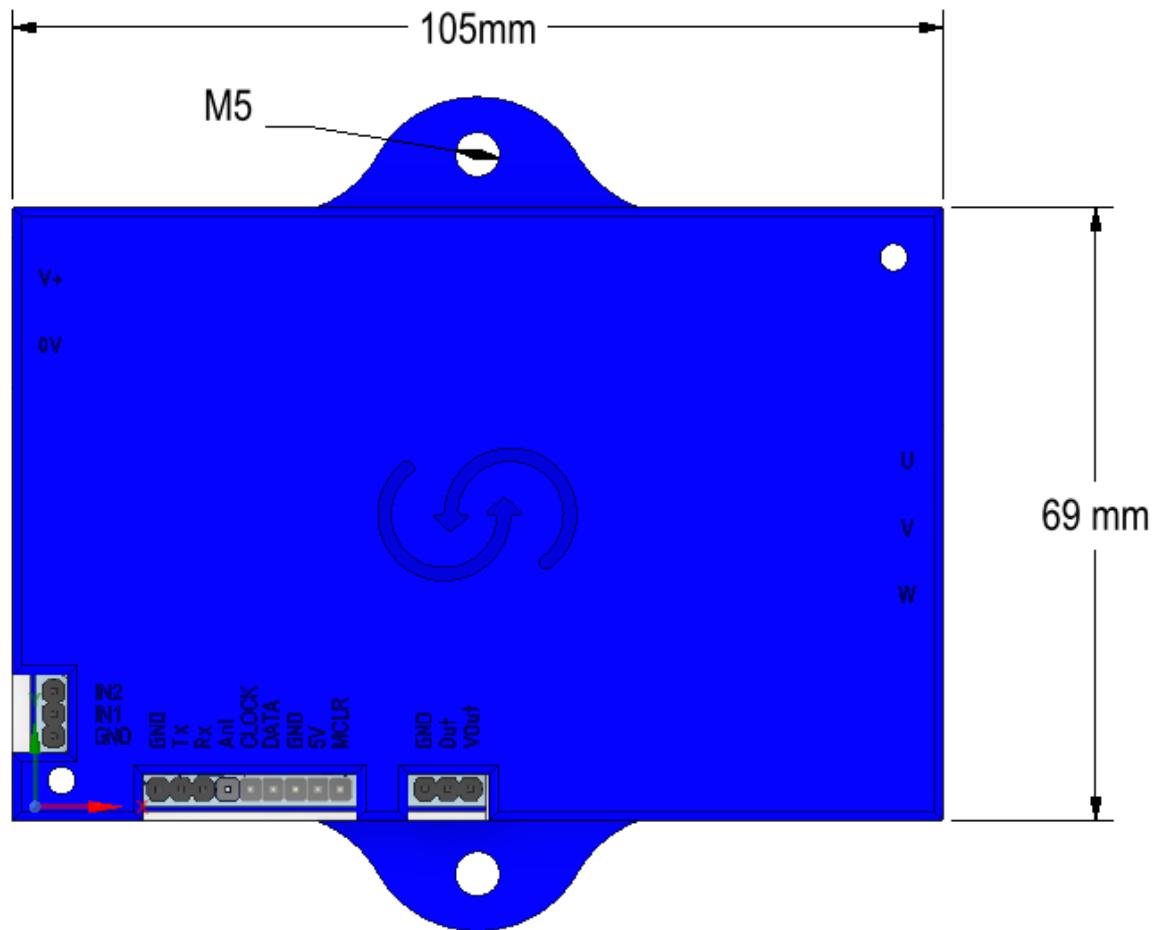


Figure 4: ZIKODRIVE 2 Top View (With Casing)

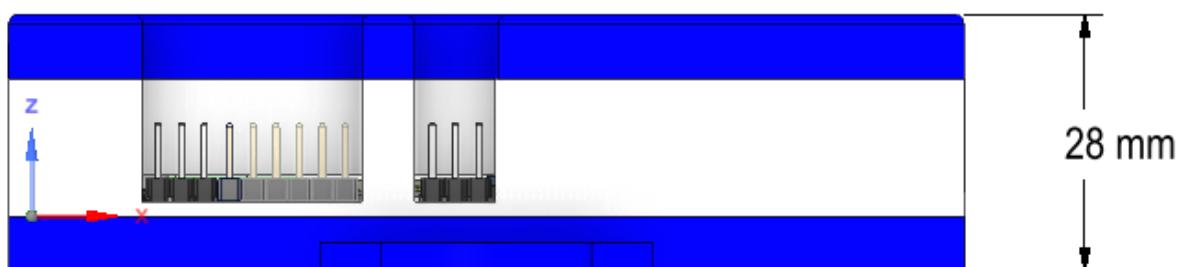


Figure 5: ZIKODRIVE 2 Side View (With Casing)