



HONEYBEE ROBOTICS
Motion Control

Low-Cost Motor Controller

Description

Honeybee's Low Cost Stepper Motor Electronic Control Unit is a flexible design configurable to accommodate a range of motors common to spaceflight mechanisms.

- Microcontroller-based design
- Closed loop position, rate control
- RS-422 interface
- EEE-INST-002 Level 3 components
- 2 phase bipolar and 3 phase stepper
- Potentiometer feedback



Specification	Data
Input Voltage	22-34 VDC
Communication	RS-422
Standby Power	1.5 W
Peak Motor Current	350mA
Radiation Tolerance	55 krad
EEE-INST-002	Level 3
Temperature Range	-35 to +71 °C
Random	Qualified to 16.4 gRMS
Size	172 x 127 x 51 mm
Mass (incl Chassis)	355 g
Features	
Configurability	2 or 3 Phase Stepper
Stepper Modes	Voltage Drive
Feedback Sensors	Potentiometer
Temp Sensing	On-Board

Contact

Honeybee is ISO9001:2000 and AS9100 certified.

Honeybee Robotics
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