

EiBotBoard (EBB)

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Version 2.4 04/01/2015
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- ### Change List
- v1.3 11/09/2010
 - Switched to A4988 drivers
 - Added four RC servo connectors
 - Changed some large I/O between drivers
 - Added pin and driver count to SMT
 - All extra I/O now on left side
 - v1.3.015/2010
 - AS STEPDIR now on board
 - IC5 moved away from driver connector
 - Added 100V rated motor headers
 - Auto power from USB and power jack
 - Removed fuse on VREG circuit
 - Fixed bug with RA411
 - Added pull-up on enable for bootstrapping
 - IC10 pin monitor input voltage now
 - v1.4 03/20/2010
 - Added RC servo input
 - Pushed motor connectors together
 - Moved servo connectors to side edge
 - Added solderable pins to connectors
 - Added 100V rated motor headers
 - v1.5 04/01/2015
 - Added RC servo power input
 - Added 5V regulator for RC servo power
 - 06/05/2010
 - SF changed D1 to bigger diode
 - 06/05/2010
 - Changed C14 to higher voltage (larger footprint)
 - 08/05/2010
 - SF moved some silk screen to avoid wire and connectors
 - 08/05/2010
 - SF added test points, some headers now locking
 - v2.0 5/25/2010
 - Changed footprint for D3 to bigger diode
 - Fixed minor silk screen errors from v1.5
 - v2.1 1/07/2010
 - Moved R18 to avoid screw head
 - IC12 now have larger labels (more headers now fit)
 - Merged SpasFu5 changes from v1.5 to now into this file
 - v2.1 11/20/2010
 - R17 changed to 68K to provide solid HIGH for USB detect
 - v2.2 08/02/2011
 - All screw holes now ringed by GND
 - Revised silk test for EBB/EBB orientation
 - Replaced directional arrow for CUR ADJ pot with physical locator
 - Made most silk .04 high, fixed silk placement over I/O
 - Increased copper areas under power and USB pads for physical stability
 - Revised corners
 - Added big EBB silk test
 - v2.3 09/15/2013
 - Replaced all possible parts with SpeedStudio CPL replacement
 - Re-oriented silk test to be equally wrong for EBB and WaterCoolBot
 - Updated R12, R17, R18, R14, R18 to be CPL values
 - Removed separate servo power supply from bottom of board.
 - v2.4 04/15/2015 - Revision by Tom Klopferstein, SparkFun Electronics
 - Replaced all possible parts with SparkFun Electronics footprints
 - Update VREG back to LM317, added R19, R24
 - Revised to FT14 barrel jack, updated from A4988 to A4989
 - Switched SS5620 diodes to MBRA140, SS54B diodes to BS54C-13-F
 - v2.4 04/29/2015 - Revision by BPS
 - Updated as per SparkFun design review #1 (issue 1)

