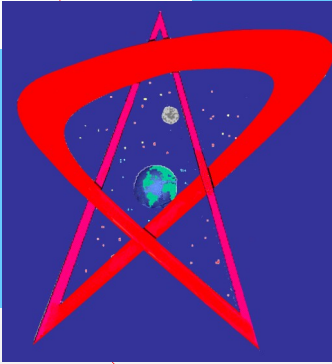
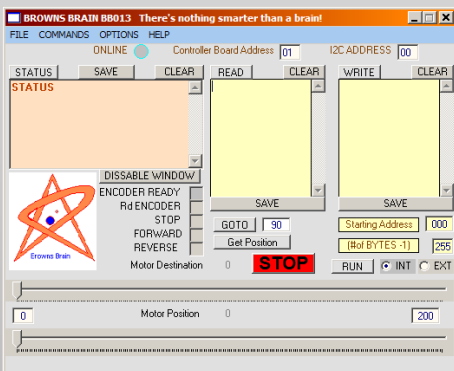


BROWNS BRAIN

T H E R E ' S N O T H I N G S M A R T E R T H A N A B R A I N !



PROGRAMMABLE MOTOR CONTROLLER BOARD B B 0 1 3



Includes example application, with source code. (VB6)

www.brownsbrain.com

Email:sales@brownsbrain.com

The Browns Brain Motor Controller Board, **BB013**, is a microcontroller based board designed to control a motor driver board. Application software is included, compatible with: WIN98, NT4, WIN2000 and XP. This product has nine simple commands:

1. START - starts the motor
2. STOP - stops the motor
3. FORWARD - sets direction to forward
4. REVERSE - sets direction to reverse
5. STATUS - get status and position*
6. RESET - resets the controller
7. MOVE TO - sends motor to a given position*
8. PAUSE - pauses program execution
9. RERUN - reruns stored commands

The BB013 has the ability to store and run a program on internal 512 bytes of EEPROM.

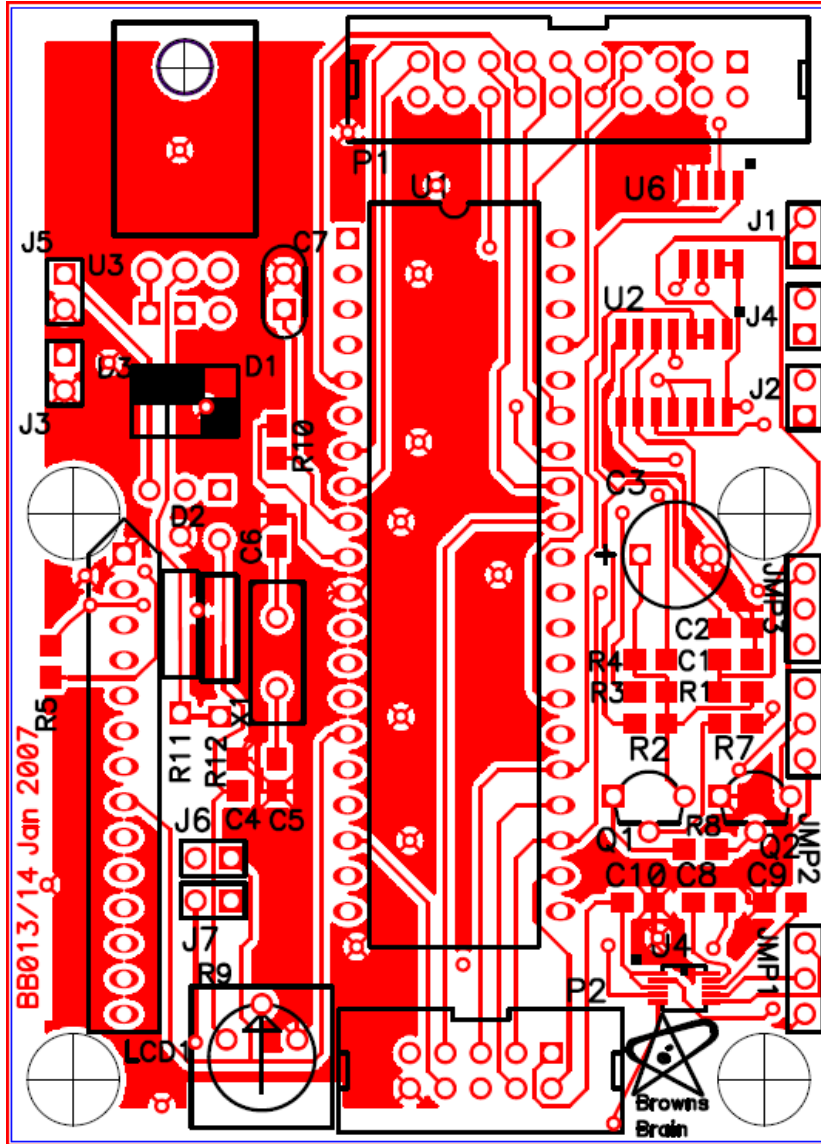
When used in conjunction with provided software and Browns Brain MOTOR/ ENCODER board **BB008.*

BROWNS BRAIN

T H E R E ' S N O T H I N G S M A R T E R T H A N A B R A I N !

P1 - Parallel data/control connection

pin19	ENC_RDY'	Not	D7	D6	D 5	D4	D3	D2	D1	D 0	pin1
pin20	+5V	Rd_ENC'	STOP'	FWD/ REV/ PB4	G N D	G N D	D1 1	D1 0	D9	D 8	pin2



J5 - Power In
7V to 15V
GND

J3 - Battery
7V to 9V
GND

LCD1 - external LCD

GND	1
+5V	2
Vcontrast	3
RS	4
Rd/Wr	5
E	6
D0	7
D1	8
D2	9
D3	10
D4	11
D5	12
D6	13
D7	14

LCD1

J1 - switch input
input
GND

J4, J2
anode
cathode
LED connectors

J2
anode
cathode

SDA
SCL
GND

+5V
Relay on
GND

JMP3 - I2C connector

JMP2 - Relay connector

JMP1 - RS232 connection
Rx - into this PCB
Tx - out of this PCB
GND

R9 - LCD Brightness

pin9	Not connected	AREF	PC3 / TMS	PC1 / SDA	+5V
pin10	GND	PD4 / OC1B	Not connected	PC2 / TCK	PC0 / SCL

P2 - general I/O

pin1

Pin2