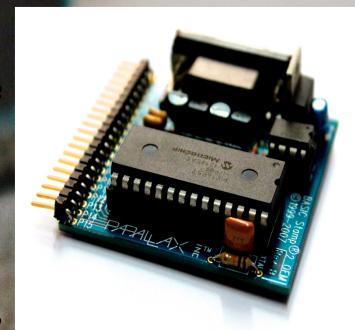


What is a Basic Stamp II Microcontroller?

- Made by Parallax, Inc.
- Single board compute
- Serves as the 'brains' inside of electronics projects and applications
- Controls monitor timers, keypads, motors, sensors, switches, relays, lights, etc.
 - Runs on PBASIC language





Processor Speed

20 MHz

Program Execution Speed

Ram Size

Approx. 4,000 instruction/sec

32 Bytes (6 I/O, 26 VAR)

I/O Pins

16 (plus 2, serial port)

Voltage Requirements

5-15 VDC

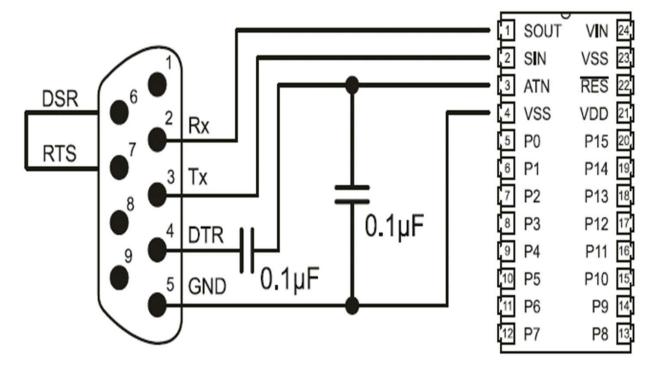
PBASIC Commands

42

Size

1.2" x 0.6" x 0.4"

BSII PIN LAYOUT

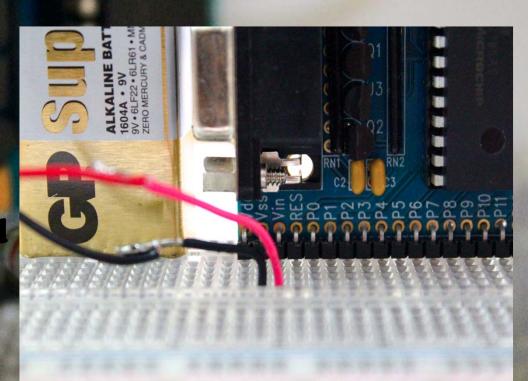


PC Serial Port

BS2 Family Module

Benefits of BSII

- >Six variations
 - **BS2e, BS2sx, BS2p24, BS2p40,**
 - BS2pe, BS2px
- More memory
- Easy to comprehend
- > Higher execution
 - speed
- Extra I/O Pins
- Relatively inexpensive
- > More advanced commands
- > Wide support base of free application resources





PROJECT EXPLANATION

```
'{$STAMP BS2}
DIRA=%1111 'make lowest four bits outputs
DIRC=%0000 'makes bits 8, 9, 10 and 11 inputs
DIRD=%0000 'make highest four bits inputs
TOP:
OUTA=%0000 'turn off all LEDs
PAUSE 1500
OUTo=1 'turn on LEDo
PAUSE 800
 OUT1=1 'turn on LED1
PAUSE 800
 OUT2=1 'LED2
PAUSE 1500 'pause a bit longer
OUTA=%0000
PAUSE 1500
OUT2=1
PAUSE 800
 OUT1=1
PAUSE 800
 OUTo=1
PAUSE 1500
 GOTO TOP
```

