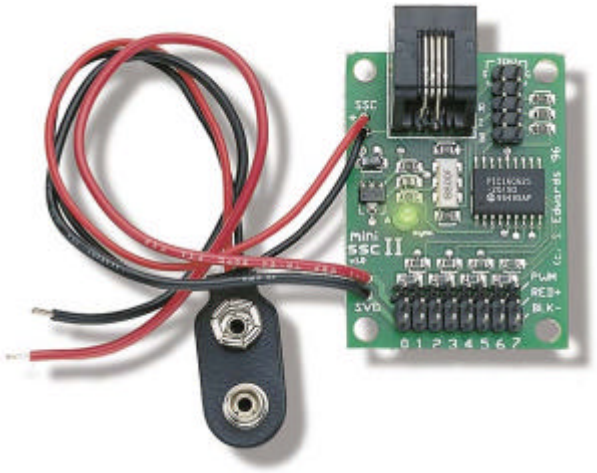
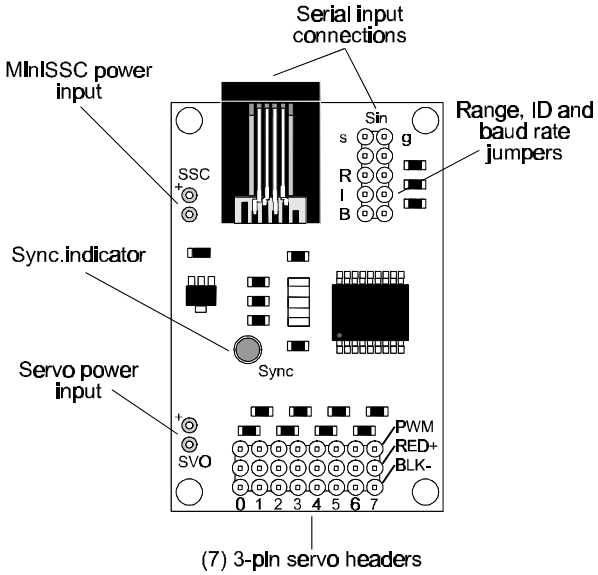
The MiniSSC II from Scott Edwards Electronics is a servo motor controller with a simple serial interface. Each MiniSSC can control up to 8 servos and multiple MiniSSCs can be daisy-chained to control up to 255 servos at once*. Simple SEROUT commands can be used in the BASIC Stamp to communicate with the module at 2400 and 9600 baud.

Features of the MiniSSC II:

- Simple serial interface (2400 or 9600 baud);
- Controls up to 8 servos at once;
- switchable range/resolution (90°/0.36° or 180°/0.72°);
- ID jumper for daisy-chaining an additional MiniSSC;
- standard 3-pin headers for servo connection.



MiniSSC II



Basic Specifications

Power requirements (MiniSSC)	7 to 15 VDC @ 10 mA
Power requirements (Servo)	4.8 to 6.0 VDC (current varies)
Serial input	RS-232, or inverted TTL/CMOS, 9600 or 2400, N81 via header posts or phone jack
Operating temperature	0° to 50°C (32° to 122°F)
Servo output connector	3-pin header (0.1" spacing) PWM, Power, Ground.
Pulse frequency	60 Hz
Pulse width range	1.0 to 2.0ms (normal), 0.5 to 2.5ms (max)
Pulse width at startup (centered)	1.5ms
Pulse width resolution	4us (normal), 8us (max)

The MiniSSC II package includes:

- MiniSSC II module;
- printed documentation with sample BS1 and BS2 programs;

Sample BASIC Stamp Code:
The following code examples move servo 0 to position 100.

BASIC Stamp I Code:

```
'No jumper on I or B
SEROUT 0,N2400,(255,0,100)
```

BASIC Stamp II Code:

```
'No jumper on I
SEROUT 0,$4054,[255,0,100]
```

BASIC Stamp is a registered trademark of Parallax, Inc.
**Two standard MiniSSC IIs can be connected for control of up to 16 servos. Special MiniSSC IIs must be ordered directly from Scott Edwards Electronics to control 17 to 255 servos.*