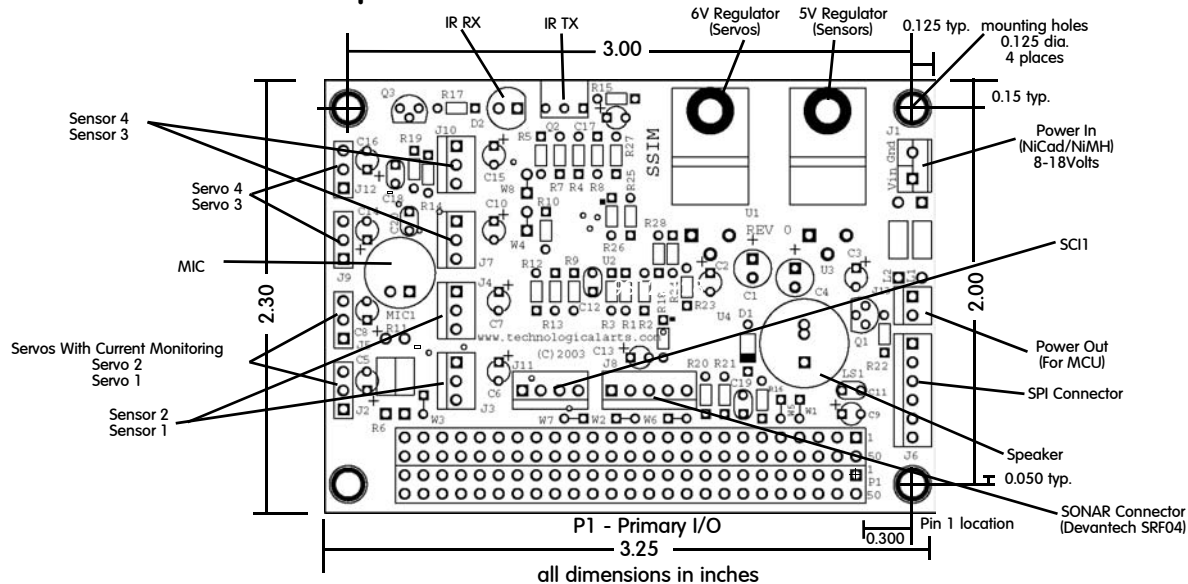


# Adapt12 Servo/Sensor Interface Module



## Adapt12SSIM™ CONNECTOR PINOUTS

### SENSORS

PIN	SIGNAL
1	5V
2	GND
3	SENSE

### SERVOS

PIN	SIGNAL
1	PWM
2	5V
3	GND

### SCI1

PIN	SIGNAL
1	5V
2	Rx
3	Tx
4	GND

P1			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
1	MISO	50	GROUND
2	MOSI	49	GROUND
3	SCK	48	NC
4	SS*	47	+5VDC
5	NC	46	IR RX
6	NC	45	NC
7	NC	44	NC
8	NC	43	NC
9	NC	42	NC
10	NC	41	NC
11	Speaker	40	NC
12	SRF04	39	NC
13	SRF04	38	NC
14	NC	37	NC
15	NC	36	NC
16	NC	35	NC
17	NC	34	RX SCI
18	Servo 4	33	NC
19	Servo 3	32	TX SCI
20	Servo 2	31	NC
21	Servo 1	30	NC
22	Servo 2 Monitor	29	SENSOR 1
23	Servo 1 Monitor	28	SENSOR 2
24	Vin Monitor	27	SENSOR 3
25	Mic	26	SENSOR 4

### SPI

PIN	SIGNAL
1	5V
2	SS*
3	SCK
4	MOSI
5	MISO
6	GND

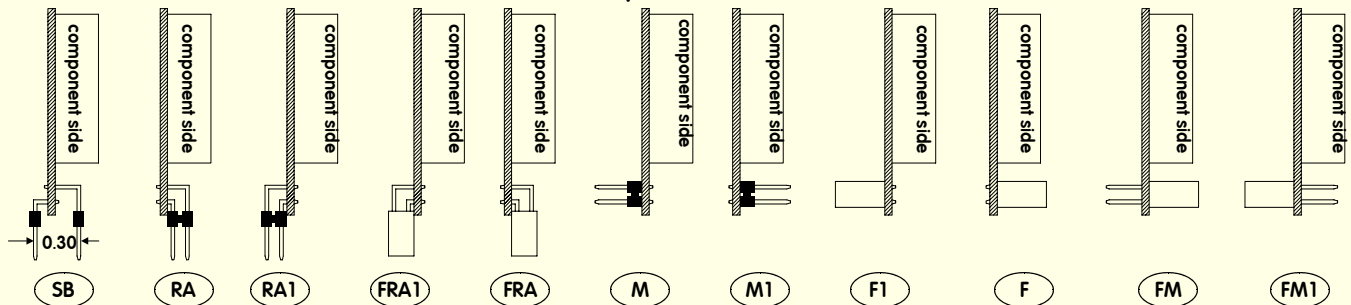
### SONAR

PIN	SIGNAL
1	5V
2	Trigger
3	Pulse
4	NC
5	GND

	ADC Multiplier	Units
Vin	0.0196	Volts
Motor Sense	0.1025	mA

NOTES: \* indicates active low signal  
NC indicates "no connection"

### Standard Connector Options (use NC for "no connector")



Order Code: (fill in -□ with desired connector option for P1): AD12SSIM-□

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