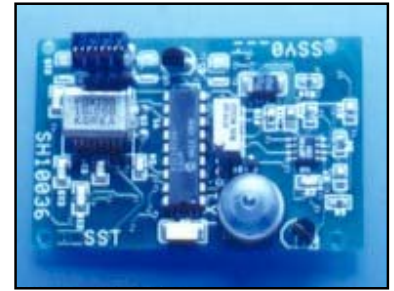


# SSY0135 ñ RS232 Signal Conditioner

The SSY0135 **RS232 Signal Conditioner** is a Single Axis Conditioner, which delivers an RS232 output. Designed to utilize the entire line of SH Series Ceramic Tilt Sensors (not included), the SSY0135 is capable of supplying digital data over a +/-0.5 to +/-80 degrees full range (sensor dependent). The output can be easily interfaced to a PC using the serial port, or directly to a microcontroller. The open architecture design simplifies installation, allows easy access for gain adjustment, and makes this conditioner perfect for OEM applications. Other select *Spectron* sensors may also be used with the SSY0135. Consult factory for details.



## General Specifications

Input voltage .....+7 to +20Vdc  
 Input current..... 5mA @ +12Vdc  
 Resolution ..... 12 bits  
 Response time ..... 25 mSec  
 Null offset adjustment ..... programmable  
 Operating Temp range ..... -20 to +70 degC  
 Storage Temp Range ..... -40 to +90 degC  
 Stability over temperature ..... +/-2 bits  
 Temperature resolution ..... .. 1 degC  
 Clock Speed ..... 10 Mhz

## Communication Protocol

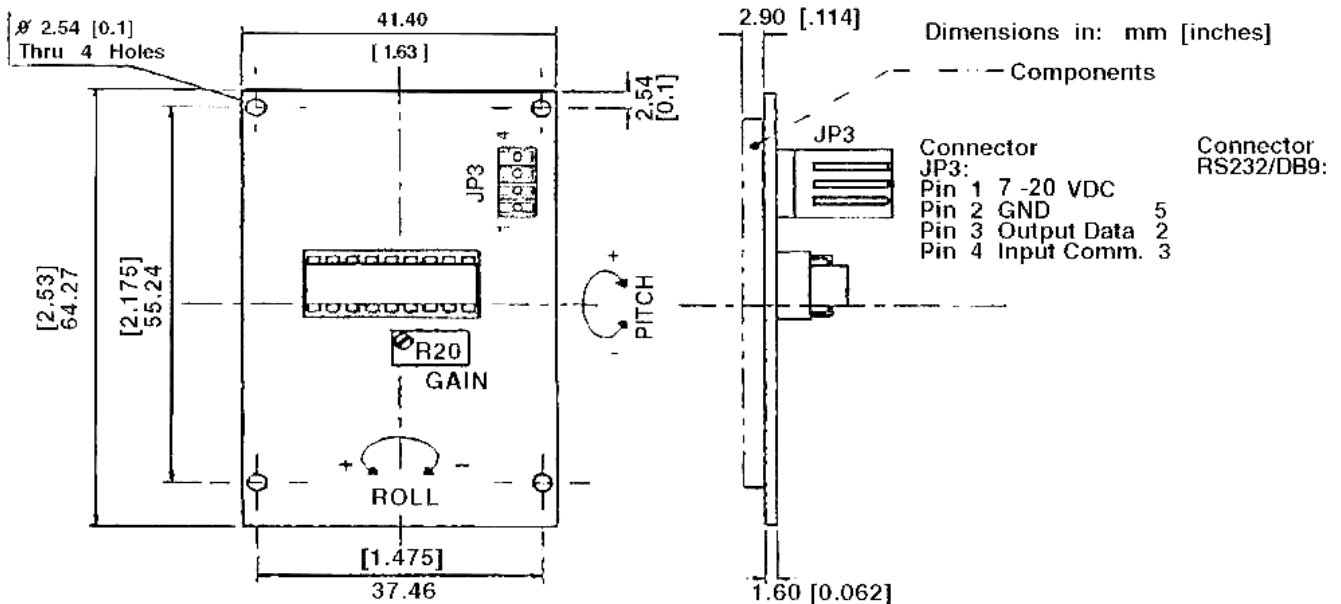
Baudrate ..... 19200  
 Data width ..... 8 bits  
 Parity ..... none  
 Flow control ..... none  
 Stop bit ..... 1

\* Consult factory for detailed communication protocol information!

## Ordering Information

part number = SSY0135-XX (-XX denotes sensor type)

## Dimensions, Electrical Connections, and Adjustments



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