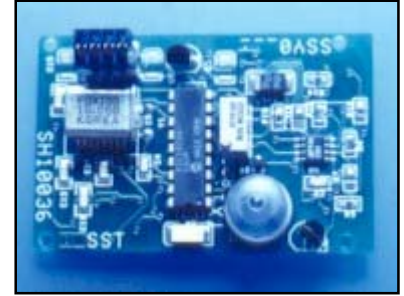


# SSY0135 – RS232 Signal Conditioner

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

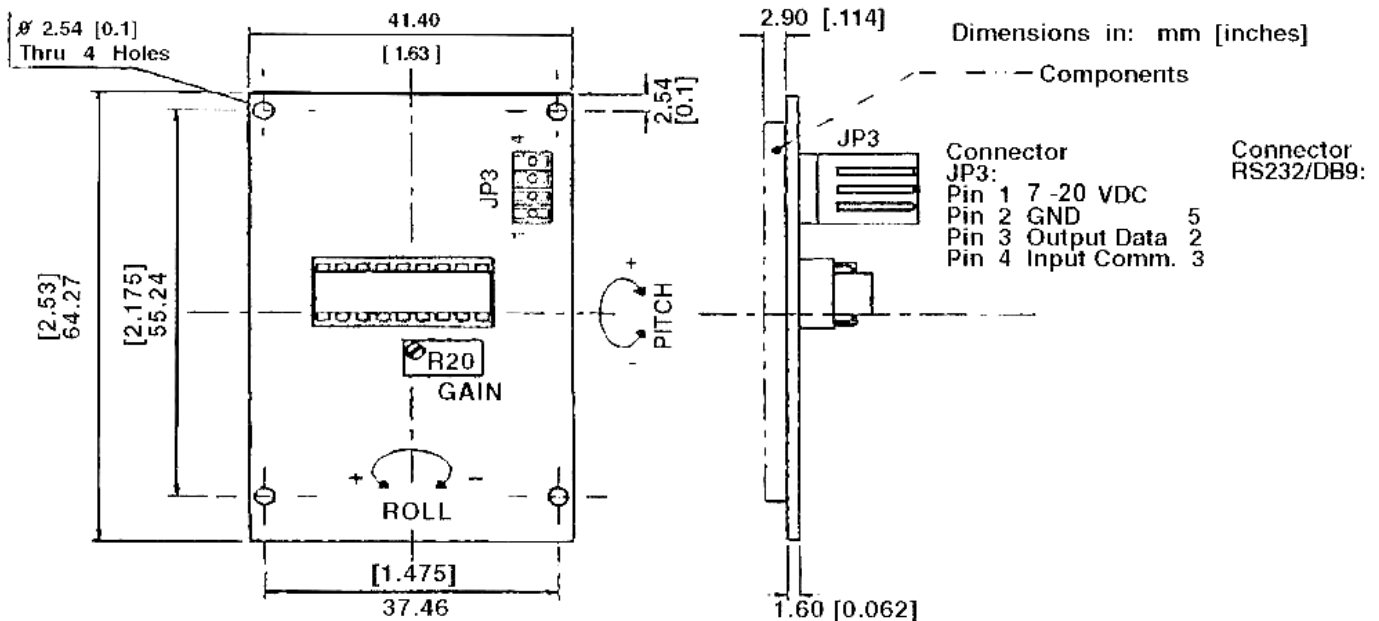
Baudrate ..... 19200  
 Data width ..... 8 bits  
 Parity ..... none  
 Flow control ..... none  
 Stop bit ..... 1

*\* 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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**Specifications subject to change without notice!**

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