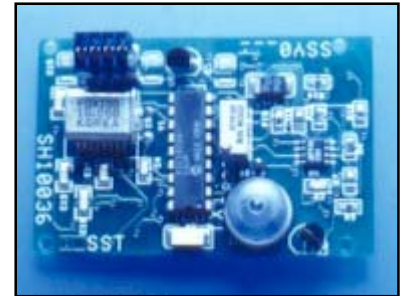


SSY0135 – RS232 Signal Conditioner

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

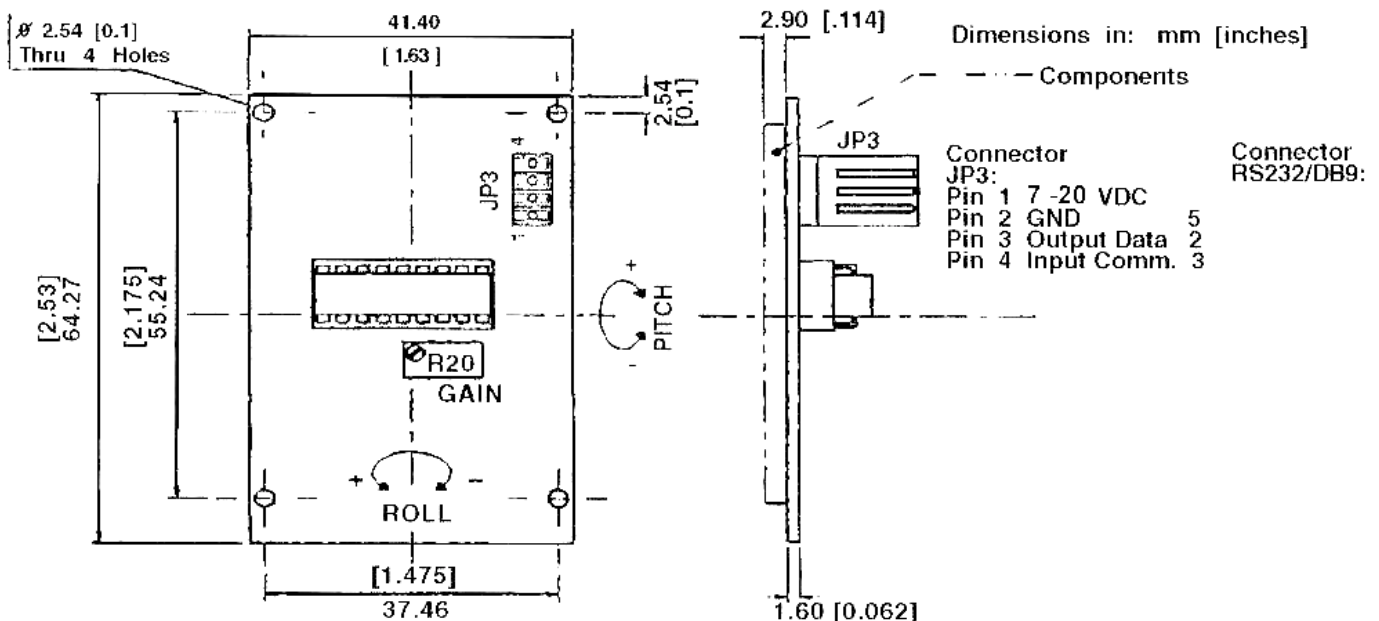
Baudrate 19200
 Data width 8 bits
 Parity none
 Flow control none
 Stop bit 1

** 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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