J1939 Inclinometer

This solid state inclinometer utilizes MEMs technology to precisely output the angular data to the J1939 bus. This device is available in single, dual, or triple axis configurations.

**Product Features**
- 12V or 24V operation
- Reverse battery protection
- Voltage transient protection
- Meets ESR Region1, Class C EMR for 10KHz - 1 GHz to 100 V/M
- Meets emissions limits for a Class 4 device over a frequency range of 150KHz - 1GHz
- Small footprint
- Potted - protection from extreme environments
- Easy 2 point mounting / rugged ABS housing
- Customizable

**Unit Connections**

DTF13-6P

Mate connector: DT06-6S
Mate contact: 0462-201-16141
Mate wedge lock: W6S

Pin 1: CAN H
Pin 2: CAN L
Pin 3: System GND
Pin 4: +V
Pin 5: IN 1
Pin 6: IN 2

IN 1 and 2 set the CAN address for the device.

**Electrical Specification**

- Operating voltage: 8 - 32 VDC
- Baud rate: 250 KHz

**Environmental Specifications**

- Storage temp.: -40° to 85° C
- Operating temp.: -40° to 85° C
- IP rating: 67
- Weight: 0.20 lbs. Typ
- Dimensions: 2.19” W X 2.75”L X 1.25”H
- Mounting holes (2): 2.625” apart, 0.188” Dia.

**Range & Accuracy**

- Single axis: 360° range 0.6° accuracy
- Dual axis: +/- 90° range 0.25° accuracy