

The World Leader in High Performance Signal Processing Solutions



*i*Sensor®

ADIS1633x, ADISUSB Installation Guide



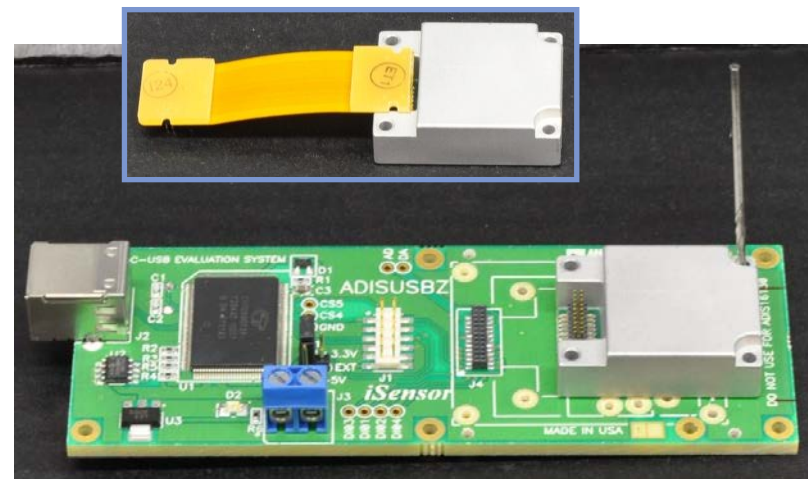
Mark Looney
*i*Sensor Applications Engineer
February 2011



iSensor® The Simple Solution for Sensor Integration

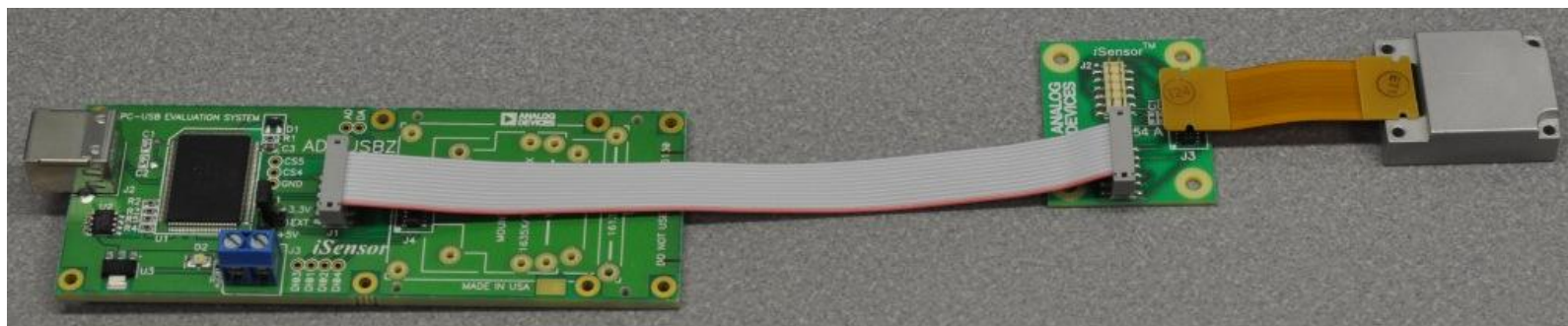
ADIS16334/PCBZ Installation on the ADISUSBZ

1. The ADISUSBZ has a 1 mm ribbon cable attached to J1. Remove this cable prior to starting this process.
2. Set the ADIS16334BMLZ on the ADISUSBZ and use the silk patterns to “center it,” in close proximity with the edge of the PCB, so that the mounting holes will not line up over holes that are currently drilled on to the ADISUSBZ.
3. “Mark” the hole drill point with a small nail or drill bit, then remove the ADIS16334 from the ADISUSBZ’s surface.
4. Use a 1.6 mm bit to drill (4) holes in the ADISUSBZ.
5. Use a M2 x 0.4 mm-size tap to prepare the four mounting holes for a pan-head machine screw. Hand-tapping typically works better for PCB materials than a drill or other rotating machinery.
6. Install the Interface flex on both ends. Make sure that J2-Pin1 on the interface flex lines up with J4-Pin1 on the ADISUSBZ. J2 has only 20 pins and J4 has 24 pins so this is very important to manage correctly, or damage is possible.
7. Use (4) M2 x 0.4 x 14mm screws to attach the ADIS16334 to the ADISUSBZ, using the four holes that were drilled and tapped in steps 3 and 4.
8. Change the ADISUSBZ-JP1 setting to +5V
9. Download and install evaluation software before plugging the ADISUSBZ into the PC. This will simplify the driver installation process.



iSensor[®] *The Simple Solution for Sensor Integration* Alternate Use for Remote Access

1. Use the following approach to connect the ADIS16334 directly to a platform and remotely connect to the ADISUSBZ.
2. Use M3 or 4-40 machine screws to the attach the ADISUSBZ and Interface PCB to the system frame.
3. Use M2 or 2-56 machine screws to attach the ADIS16334BMLZ to the system frame.





◆ **Contacts:**

● **Applications Engineer:**

Mark Looney
mark.looney@analog.com
1-336-605-4139

● **Marketing:**

Bob Scannell
bob.scannell@analog.com
1-336-605-4031

More Information on *i*Sensor Evaluation Tools:

- **www.analog.com/isensor-evaluation**