

## **TechNote 169: PI2autotime Pulse duration errors on the PI2**

**Manifestation:** When PI2autotime( ) command is used to reset smart port bits after a specified interval, this interval lasts 1 ms longer than specified for about 1% of the PI2setbit( ) calls.

### **Workaround**

Pulse duration is stable when using the PI2toggle( ) command in conjunction with PI2autotime( ). If a pulse train with 50% duty cycle is a viable solution, use PI2toggle( ). The RP2 could also be used to generate TTL pulses in place of the PI2. The digital output ports on the RP2 do not have this pulse duration problem.