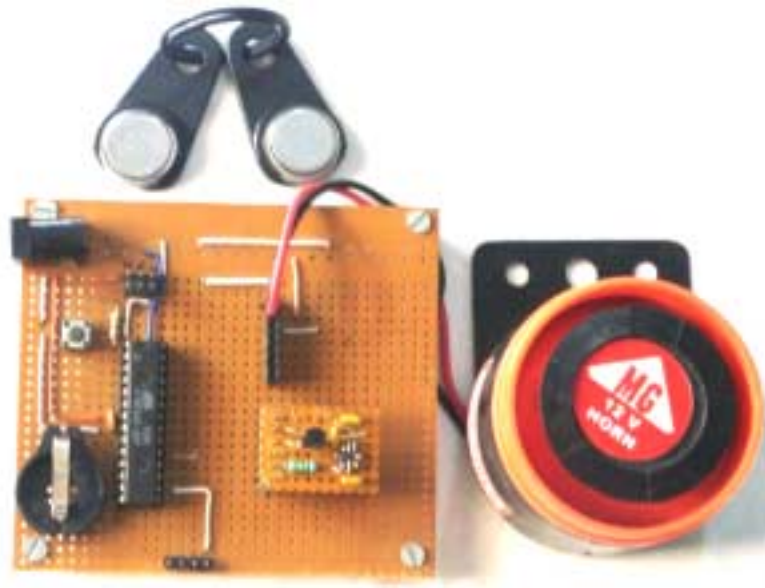




ENTRY DOCUMENT

A3757

Low Cost Vehicle Security System



June 2004

A3757: Low Cost Vehicle Security System

1. Introduction

Vehicle theft is a big nuisance for vehicle owners. It usually happens that in a congested market where no authorized parking arrangements are available, if you park your vehicle then the chance of getting your vehicle at the same place after shopping, is a big question. Even in residential colonies incidences of vehicle theft are quite common. Commercially available vehicle security systems are very costly especially for two-wheeler owners. This is the place from where motivation comes to develop a low cost affordable vehicle security system (VSS) with same robustness as of costlier ones.

In this project efforts are made to develop a low cost vehicle security solution using Atmel's Atmega8 microcontroller with Analog Device's low cost acceleration sensor ADXL311JE and Dallas semiconductor's DS1973 iButton.

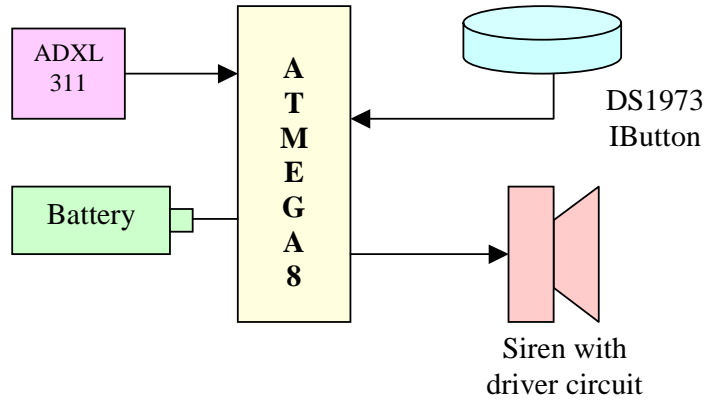


Figure 1: Block diagram of VSS

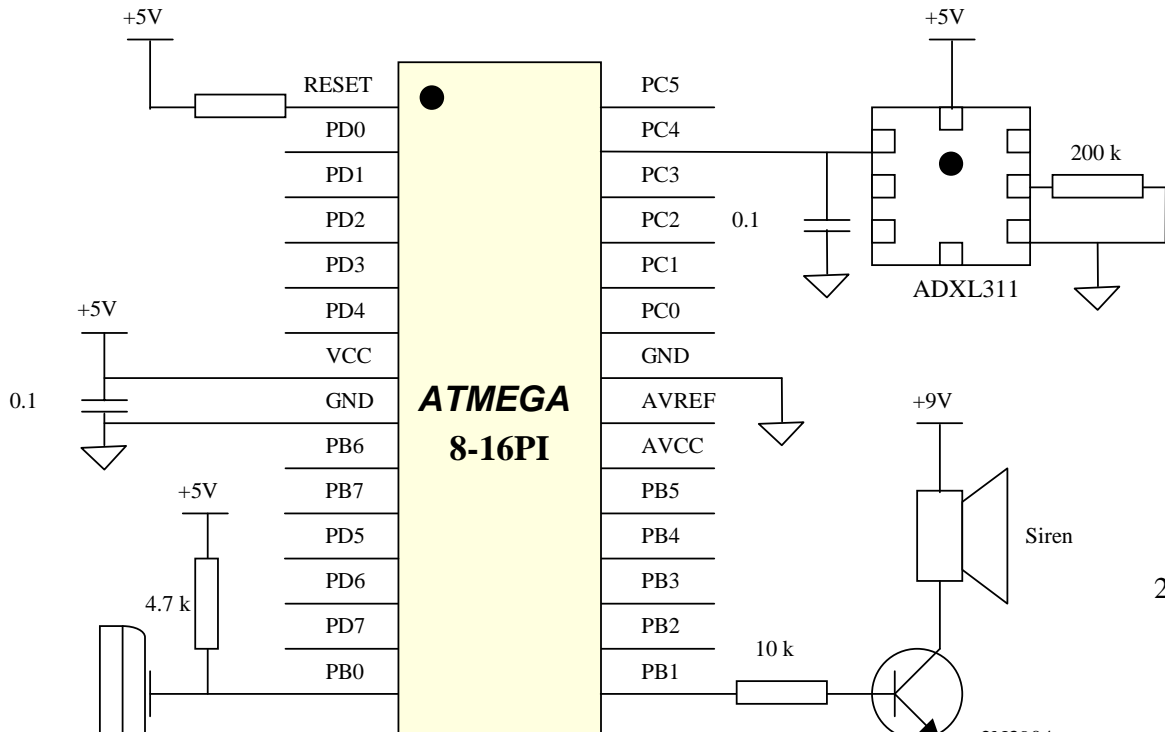


Figure 2: Circuit diagram of VSS



Figure 3: VSS mounted in two-wheeler

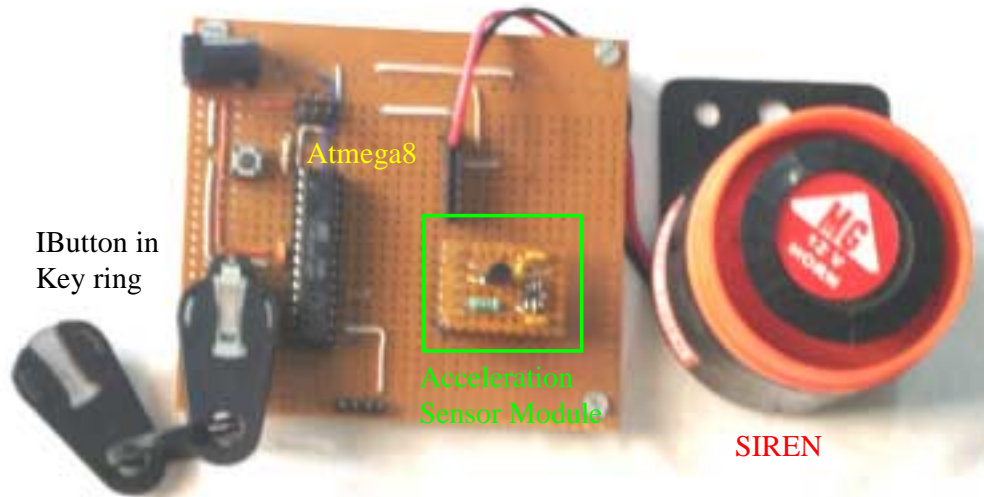


Figure 4: VSS on Circuit board