// Modified by Pat McMahon 23/5/2020

//A036-MFS4

// Source Utube video, took photo of Sketch & Typed.

#include <TimerOne.h>

#include <Wire.h>

//#include <MultiFuncShield.h>

#include <MultiFuncShieldKS0184.h>

const int triggerPin = 7;

const int echoPin = 6;

void setup() {

// put your setup code here, to run once:

pinMode(LATCH\_PIN, OUTPUT);

pinMode(DATA\_PIN, OUTPUT);

pinMode(CLK\_PIN, OUTPUT);

pinMode(triggerPin, OUTPUT);

pinMode(echoPin, INPUT);

Serial.begin(9600);

Timer1.initialize();

MFS.initialize(&Timer1); //initialize multi-function shield library

//initialize Sonar with low pass filter: SMOOTHING\_NONE, SMOOTHING\_MODERATE or SMOOTHING\_ STRONG

MFS.initSonar (SMOOTHING\_MODERATE);

}

void loop() {

// put your main code here, to run repeatedly:

Serial.println((int)MFS.getSonarDataCm(triggerPin,echoPin));

MFS.write((int)MFS.getSonarDataCm(triggerPin,echoPin));

delay(1000);

}