/\*Sample code to program WT588d audio

Name: SampleCodeWT588d 10/20/2021 \*/

const int CSpin = 2;

const int CLKpin = 3;

const int DATpin = 4;

//const int RSTpin = 5;

byte Num = 0;

// 3 wire send data to WT588D

void WT588D(byte data){

digitalWrite(CSpin,LOW);

delay(2);

for(byte i=0;i<8;i++) {

digitalWrite(CLKpin,LOW);

if(data & 1 == 1){

digitalWrite(DATpin, HIGH);

} else {

digitalWrite(DATpin, LOW);

}

delayMicroseconds(25);

digitalWrite(CLKpin,HIGH);

delayMicroseconds(25);

data = data>>1;

}

digitalWrite(CSpin,HIGH);

}

void setup() {

pinMode(CSpin, OUTPUT);

pinMode(CLKpin, OUTPUT);

pinMode(DATpin, OUTPUT);

//pinMode(RSTpin, OUTPUT);

digitalWrite(CSpin, HIGH);

digitalWrite(CLKpin, HIGH);

}

void loop() {

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

WT588D(Num);

Num +=1;

delay(1000);

if(Num>100) Num=0;

}

/\*Note The ATtiny85 uP has 5 available i/o pins: 0,1,2,3 and 4.

Pin 4 can be ued for the WT588d reset signal. The latter must be provided. \*/