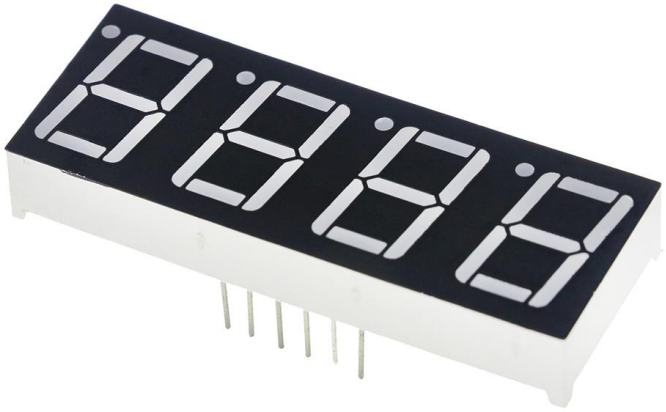
Datenblatt

Artikel RBS11807

7-Segment Display 4 Bit Rot Common Anode 0.56"



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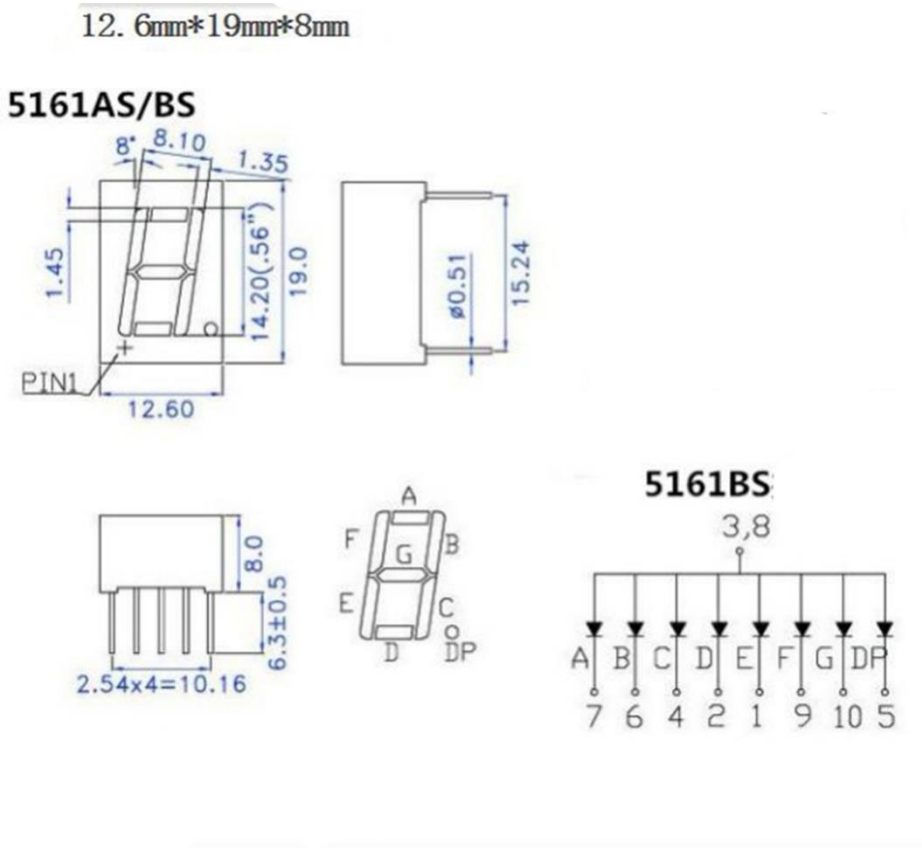
Technische Daten

- LED 7-Segmentanzeige
- Stellen: 4
- Farbe: Rot
- Typ: Gemeinsame Anode
- Größe: 0.56"

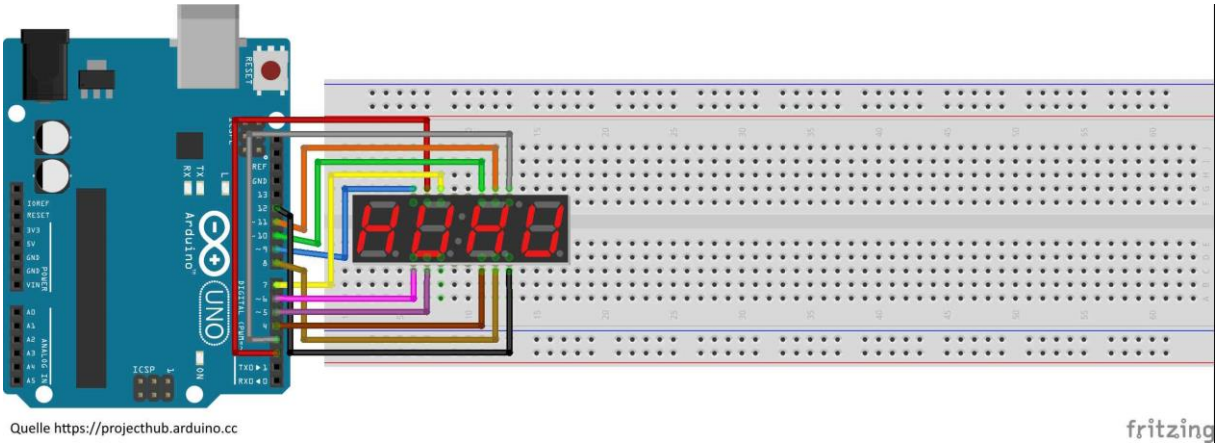
Technische Zeichnung



Arduino Beispiel

In diesem Beispiel werden die Zahlen 0-9 angezeigt und nach einer Sekunde Pause erneut hochgezählt. Um solche 7-Segmentanzeigen ohne endlos langen Code zu programmieren, empfehlen wir die SevSeg Bibliothek.

Anschlussplan



Code

```
/*
  https://projecthub.arduino.cc/SAnwandter1/5c461711-5c20-46f3-8d60-732ea59e6677
  Showing number 0-9 on a Common Anode 7-segment LED display
  Displays the numbers 0-9 on the display, with one second inbetween.
    A
   ---
F |   | B
  | G |
   ---
E |   | C
  |   |
   ---
    D
  This example code is in the public domain.
 */

// Pin 2-8 is connected  to the 7 segments of the display.

int pinA = 2;
int pinB = 3;
int pinC  = 4;
int pinD = 5;
int pinE = 6;
int pinF = 7;
int pinG = 8;
int  D1 = 9;
int D2 = 10;
int D3 = 11;
int D4 = 12;

// the setup routine  runs once when you press reset:
void setup() {
  // initialize  the digital pins as outputs.
  pinMode(pinA, OUTPUT);
  pinMode(pinB,  OUTPUT);
  pinMode(pinC, OUTPUT);
  pinMode(pinD, OUTPUT);
  pinMode(pinE, OUTPUT);
  pinMode(pinF, OUTPUT);
  pinMode(pinG,  OUTPUT);
  pinMode(D1, OUTPUT);
  pinMode(D2, OUTPUT);
  pinMode(D3,  OUTPUT);
  pinMode(D4, OUTPUT);
}

// the loop routine runs over  and over again forever:
void loop() {
  digitalWrite(D1, HIGH);
  digitalWrite(D2,  LOW);
  digitalWrite(D3, LOW);
  digitalWrite(D4, LOW);
  //0
  digitalWrite(pinA,  LOW);
  digitalWrite(pinB, HIGH);
  digitalWrite(pinC, LOW);
```

```
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF,  LOW);
  digitalWrite(pinG, LOW);
  delay(1);                // wait for  a second

  digitalWrite(D1, LOW);
  digitalWrite(D2, HIGH);
  digitalWrite(D3,  LOW);
  digitalWrite(D4, LOW);
  //1
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD,  HIGH);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1);                // wait for a second

  digitalWrite(D1, LOW);
  digitalWrite(D2, LOW);
  digitalWrite(D3,  HIGH);
  digitalWrite(D4, LOW);
  //2
  digitalWrite(pinA, HIGH);
  digitalWrite(pinB, HIGH);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD,  HIGH);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, HIGH);
  digitalWrite(pinG, LOW);
  delay(1);                // wait for a second

  digitalWrite(D1, LOW);
  digitalWrite(D2, LOW);
  digitalWrite(D3, LOW);
  digitalWrite(D4, HIGH);
  //3
  digitalWrite(pinA, LOW);
  digitalWrite(pinB,  HIGH);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, HIGH);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG,  HIGH);
  delay(1);                // wait for a second
/*
  //4
  digitalWrite(pinA, HIGH);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC,  LOW);
  digitalWrite(pinD, HIGH);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);              // wait for a second

  //5
  digitalWrite(pinA, LOW);
```

```
  digitalWrite(pinB, HIGH);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD,  LOW);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);               // wait for a second

  //6
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, HIGH);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE,  LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);               // wait for a second

  //7
  digitalWrite(pinA,  LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD,  HIGH);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, HIGH);
  digitalWrite(pinG, HIGH);
  delay(1000);               // wait for a second

  //8
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE,  LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);               // wait for a second

  //9
  digitalWrite(pinA,  LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD,  HIGH);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);               // wait for a second
  */
}
```