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/*
 74HC4066demo2.pde

74HC595 / 74HC4066 test
Switch 4 LEDs on or off
http://tronixstuff.com/partreviews > 74HC4066

*/
int latchpin = 8; // connect to pin 12 on the '595
int clockpin = 12; // connect to pin 11 on the '595
int datapin = 11; // connect to pin 14 on the '595
int d = 500; // for delay

void setup()

{
  pinMode(latchpin, OUTPUT);
  pinMode(clockpin, OUTPUT);
  pinMode(datapin, OUTPUT);
}
void loop()
{
  digitalWrite(latchpin, LOW);
  shiftOut(datapin, clockpin, MSBFIRST, 0);
  digitalWrite(latchpin, HIGH);
  delay(d);

  digitalWrite(latchpin, LOW);
  shiftOut(datapin, clockpin, MSBFIRST, 1);
  digitalWrite(latchpin, HIGH);
  delay(d);

  digitalWrite(latchpin, LOW);
  shiftOut(datapin, clockpin, MSBFIRST, 2);
  digitalWrite(latchpin, HIGH);
  delay(d);

  digitalWrite(latchpin, LOW);
  shiftOut(datapin, clockpin, MSBFIRST, 4);
  digitalWrite(latchpin, HIGH);
  delay(d);

  digitalWrite(latchpin, LOW);
  shiftOut(datapin, clockpin, MSBFIRST, 8);
  digitalWrite(latchpin, HIGH);
  delay(d);
}
```