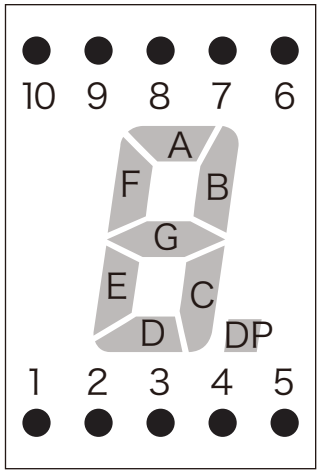
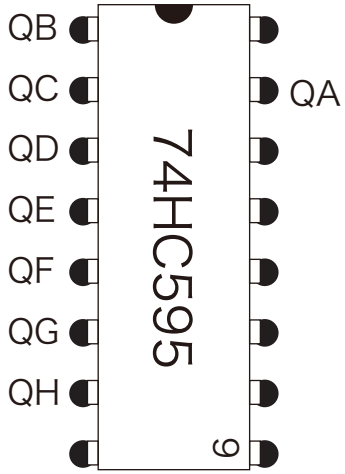
7セグLEDのコントロール

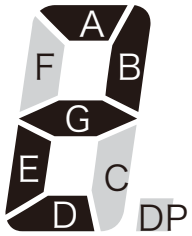




配線は配線図参照

点灯する LED	7セグの ピン番号	74HC595 のピン	_7segDrive.ino sevenSegmentTable
A	7	QE	[3]
B	6	QF	[2]
C	4	QG	[1]
D	2	QB	[6]
E	1	QA	[7]
F	9	QD	[4]
G	10	QC	[5]
DP	5	QH	[0]
GND	3,8		

Ex.



A = [3] = HIGH　　[0] = LOW
B = [2] = HIGH　　[1] = LOW
C = [1] = LOW　　[2] = HIGH
D = [6] = HIGH　　[3] = HIGH
E = [7] = HIGH　　[4] = LOW
F = [4] = LOW　　[5] = HIGH
G = [5] = HIGH　　[6] = HIGH
DP = [0] = LOW　　[7] = HIGH

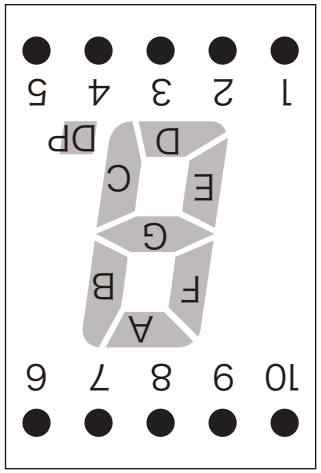
並べ替え

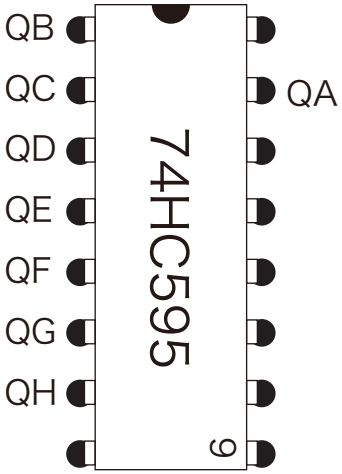
0,0,1,1,0,1,1,1 ⟶

_7segDrive.ino

```
// 数字の形を定義
boolean sevenSegmentTable[10][8] = {
  {0,1,1,1,1,0,1,1},//0
  {0,1,1,0,0,0,0,0},//1
  {0,0,1,1,0,1,1,1},//2
  {0,1,1,1,0,1,1,0},//3
  {0,1,1,0,1,1,0,0},//4
  {0,1,0,1,1,1,1,0},//5
  {0,1,0,0,1,1,1,1},//6
  {0,1,1,1,0,0,0,0},//7
  {0,1,1,1,1,1,1,1},//8
  {0,1,1,1,1,1,0,0} //9
};
```

LEDを逆に場合





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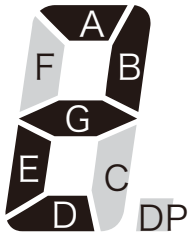
E	1	QF	[2]
F	9	QG	[1]
G	10	QH	[0]
DP	5	QC	[5]
GND	3,8		

この結線が変わっている

Ex.



A = [6] = HIGH　　[0] = HIGH
B = [7] = HIGH　　[1] = LOW
C = [4] = LOW　　[2] = HIGH
D = [3] = HIGH　　[3] = HIGH
E = [2] = HIGH　　[4] = LOW
F = [1] = LOW　　[5] = LOW
G = [0] = HIGH　　[6] = HIGH
DP = [5] = LOW　　[7] = HIGH

並べ替え

1,0,1,1,0,0,1,1

_7segDrive.ino

sevenSegmentTable[10][8]
を変更