

## 7-Segment \* 6 (Gmae/Shot-clock display)

The diagram illustrates a circuit for driving a 6x7-segment display matrix. The central component is the MAX7221, which is configured as a static CMOS device. It is powered by a 5V supply and has its ground connected to GND. The MAX7221's output pins (DIG[0:6]) are connected to the segments of the display matrix. The input pins (DIN[0:6]) are connected to a 5V supply. The MAX7221 is also connected to a 74VHC04 inverter, which is used to invert the output signals. The display matrix is composed of 6 rows and 7 columns of segments. The segments are labeled with letters A through G. The display is connected to a 5V supply and ground. The MAX7221 is also connected to a 74VHC04 inverter, which is used to invert the output signals. The display matrix is composed of 6 rows and 7 columns of segments. The segments are labeled with letters A through G. The display is connected to a 5V supply and ground. The MAX7221 is also connected to a 74VHC04 inverter, which is used to invert the output signals.

## 7-Segment \* 8 (Foul/Score count display)

The diagram illustrates a digital circuit for a 7-segment \* 8 display. The circuit includes an 8255 PPI chip, an 8259 interrupt controller, and an 8254 timer. The 8255 is configured for 8-bit I/O, with Port A as input and Port C as output. The 8259 is connected to the 8255's interrupt pins. The 8254 is configured for a 100 kHz clock and a 100 ns period. The 7-segment display is connected to the 8255's Port C output. The display shows the number 8.

# Tact-Switch \* 23(Wired control panel)

## LED \* 5(Quater Display)

The diagram shows the ATmega128 MCU Module with its pins and functions. The pins are numbered 1 to 62. The functions are listed in the adjacent columns.

Pin	Function	Pin	Function
1	AVCC	31	PC1
2	AREF	32	PC2
3	D0	33	PC3
4	D1	34	PC4
5	D2	35	PC5
6	D3	36	PC6
7	D4	37	PC7
8	D5	38	PC8
9	D6	39	PC9
10	D7	40	PC10
11	D8	41	PC11
12	D9	42	PC12
13	D10	43	PC13
14	D11	44	PC14
15	D12	45	PC15
16	D13	46	PC16
17	D14	47	PC17
18	D15	48	PC18
19	D16	49	PC19
20	D17	50	PC20
21	D18	51	PC21
22	D19	52	PC22
23	D20	53	PC23
24	D21	54	PC24
25	D22	55	PC25
26	D23	56	PC26
27	D24	57	PC27
28	D25	58	PC28
29	D26	59	PC29
30	D27	60	PC30
31	D28	61	PC31
32	D29	62	PC32