

SIMMONS SDS7 LED truth table with Mega2560ProMini

Only a single anode and cathode are to be active at any time

Anode	PF7	PF7	PF7	PF7	PF7	PF7	
Cathode	PF5	PF4	PF3	PF2	PF1	PF0	
Anode	PF6	PF6	PF6	PF6	PF6	PF6	
Cathode	PF5	PF4	PF3	PF2	PF1	PF0	

Voice Card

Anode	PC0	PC0	PC0	PC0	PC0	PC0	PC0
Cathode	PK0	PK1	PK2	PK3	PK4	PK5	PK6
Anode	PC1	PC1	PC1	PC1	PC1	PC1	PC1
Cathode	PK0	PK1	PK2	PK3	PK4	PK5	PK6
Anode	PC2	PC2	PC2	PC2	PC2	PC2	PC2
Cathode	PK0	PK1	PK2	PK3	PK4	PK5	PK6
Anode	PC3	PC3	PC3	PC3	PC3	PC3	PC3
Cathode	PK0	PK1	PK2	PK3	PK4	PK5	PK6
Anode	PC4	PC4	PC4	PC4	PC4	PC4	PC4
Cathode	PK0	PK1	PK2	PK3	PK4	PK5	PK6

7 segment

Anode	PC5	PC5	PC5	PC5			
Cathode	PH6	PH5	PH4	PH3			
Anode	PC6	PC6	PC6	PC6			
Cathode	PH6	PH5	PH4	PH3			
Anode	PC7	PC7	PC7	PC7			
Cathode	PH6	PH5	PH4	PH3			
Anode	PD7	PD7	PD7	PD7			
Cathode	PH6	PH5	PH4	PH3			

4x4 Matrix