WTV020-SD MODULE

WTV020-SD-20S and WTV020-SD-16P

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 1  ┌──────────────────────┐  16
 2  │ RESET          VDD │  15
 3  │ AUDIO-L        P06 │  14
 4  │ NC             NC  │  13
 5  │ SPK+           P02 │  12
 6  │ SPK-           P03 │  11
 7  │ NC             NC  │  10
 8  │ P04            P05 │   9
    │ GND            P07 │
    └──────────────────────┘
```
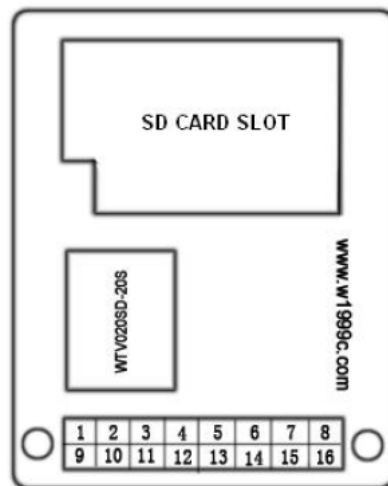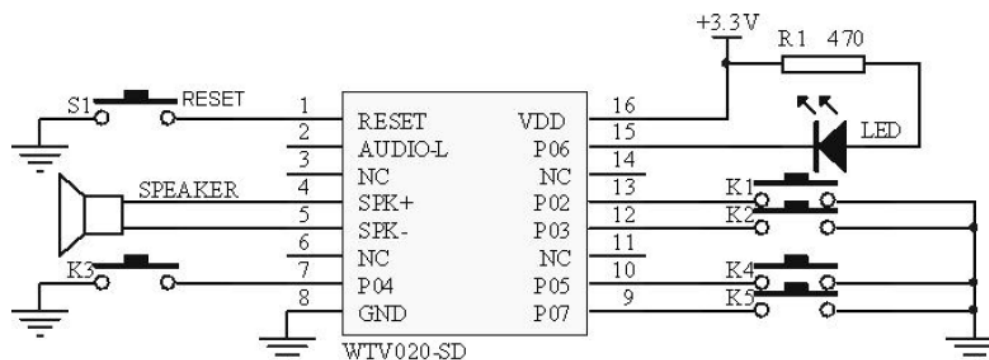
PIN	SYS.	DESCRIPTION	FUNCTION
1	RESET	RESET	Reset pin
2	AUDIO-L	DAC+	DAC audio output(+) to amplifier
3	NC	NC	NC
4	SP+	PWM+	PWM audio output to speaker
5	SP-	PWM-	PWM audio output to speaker
6	NC	NC	NC
7	P04	K3/A2/CLK	Key /CLK in two line serial
8	GND	GND	Address pin
9	P07	K5/A4/SBT	Key
10	P05	K4/A3/DI	Key /DI in two line serial
11	NC	NC	NC
12	P03	K2/A1	Key
13	P02	K1/A0	Key
14	NC	NC	NC
15	P06	BUSY	BUSY pin
16	VDD	VDD	Power input

PIN	SYS.	FUNCTION	PIN	SYS.	FUNCTION
1	DC+3.3V	+3.3V	9	GND	GND
2	SPK+	Audio output	10	DC+3.3V	+3.3V
3	P07	I/O	11	SPK+	Audio output
4	P03	I/O	12	SPK-	Audio output
5	NC	NC	13	P06	BUSY
6	NC	NC	14	RST	Reset
7	P02	I/O	15	P04	I/O
8	NC	NC	16	P05	I/O

8.6.KEY MODE(5 group of voice)APPLICATION CIRCUIT(PWM OUTPUT)

WTV020-SD-16P and WTV020-SD-20S in PWM output, "SPK+" ,"SPK-" to speaker .

In the key mode,edge trigger.   GND short touch I/O to trigger voice. P02、P03、P04、P05、P07 trigger voice 1,voice 2, voice 3,voice 4,and voice 5 separately. They are edge retrigger.

The power input is DC3.3v, if DC5v   input, two serial diodes (IN4001 or 4007)connect to the positive input to low the voltage.