APLUS INTEGRATED CIRCUITS INC. aFRC616M4S-E2.1

**aFRC616M4S-E2.1 is 2 chip solution (aFRC616 controller + 4M flash) recording module.
Support maximum 8 messages recorded by microphone in or line in.**

| aFRC616M4S-E2.1 Recording Voice Module				
	1-fixed message	**2-fixed message**	**4-fixed message**	**8-fixed message**
Duration (sec./message)	**42"**	21"	10.6"	5.3"
Key mode	m0	m0,m1	m0,m1,m2,m3	m0,m1,m2,m3 m4,m5,m6,m7
Coding	8 bit , 12K sample rate			
Code no.	aFRC616M4 _ **E2.1**			
Operating Voltage	3.0V ~ 6.5V			

APLUS INTEGRATED CIRCUITS INC.   aFRC616M4S-E2.1

message x 8

message x 4
m6 = GND

message x 2
m7 = GND

message x 1
m6=m7=GND

PWM

DAC

DAC

● **LINE IN & Adjust Rosc :**

Line in : J1 & J2 [OPEN]
Mic input : J1 & J2 [CLOSE]
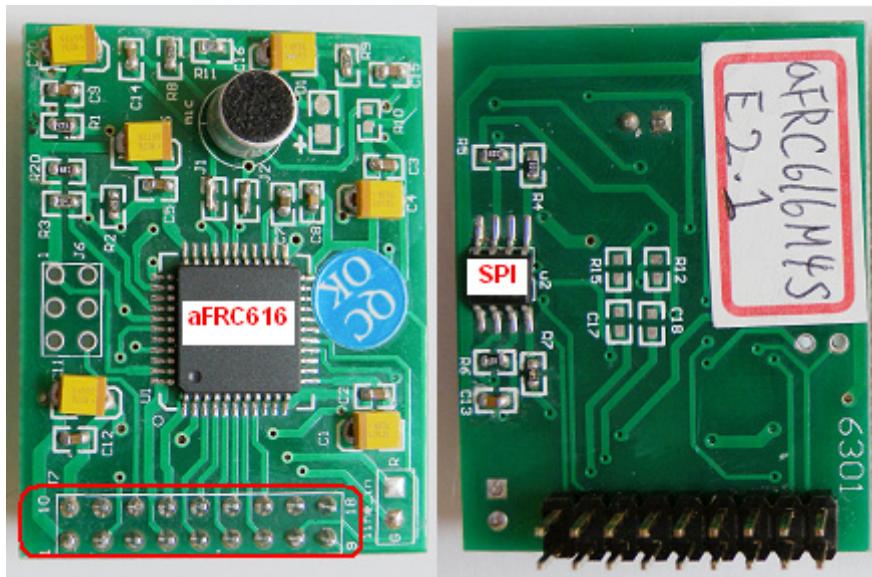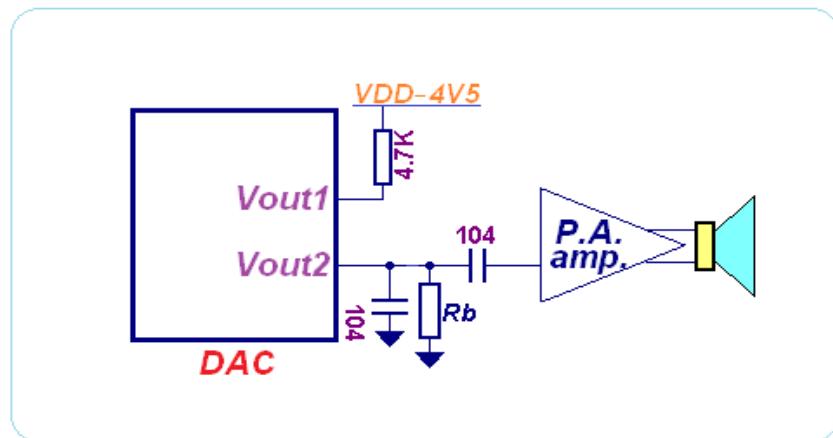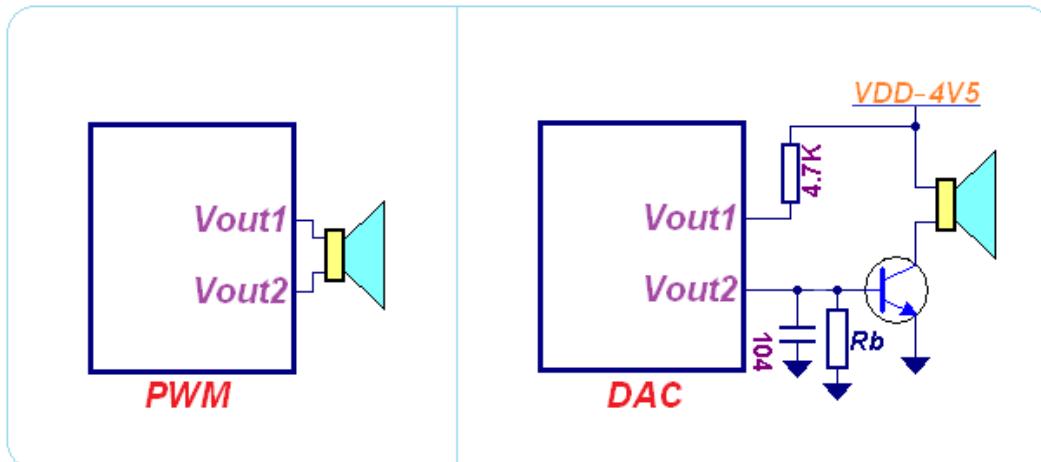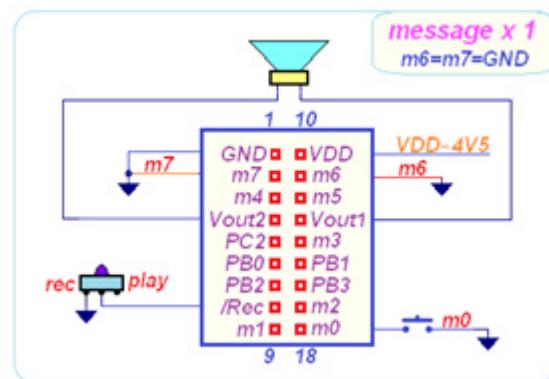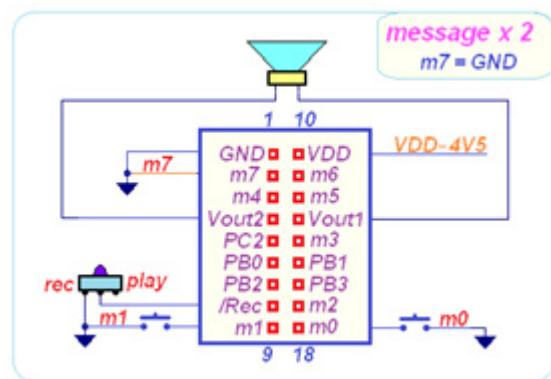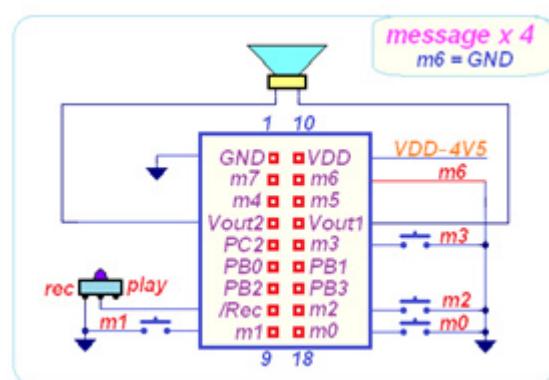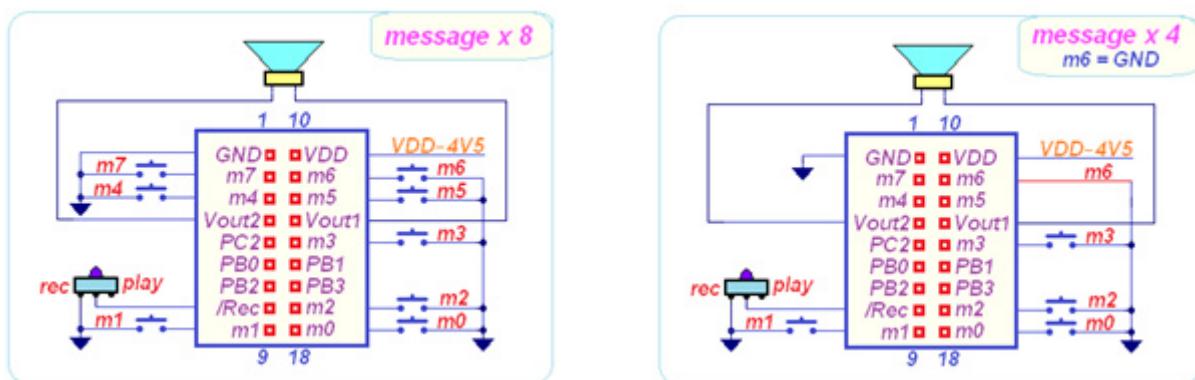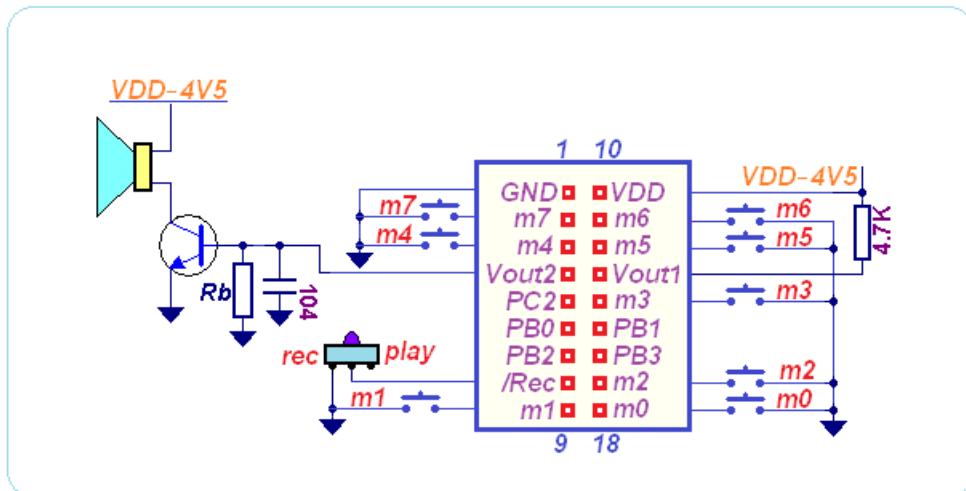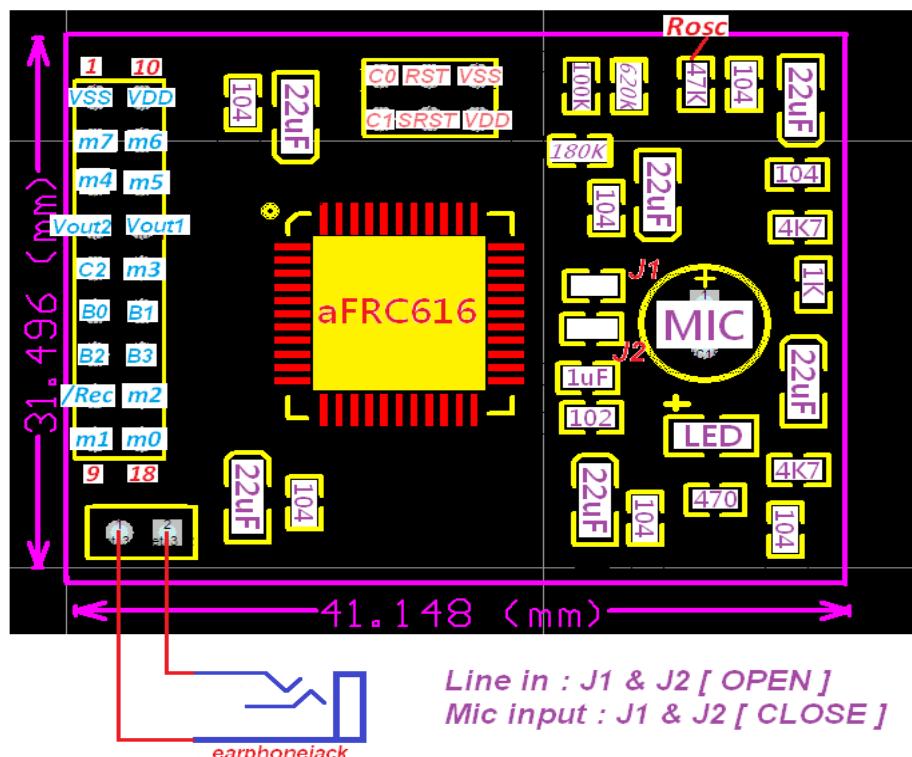
■ **APPLICATION CIRCUIT :**
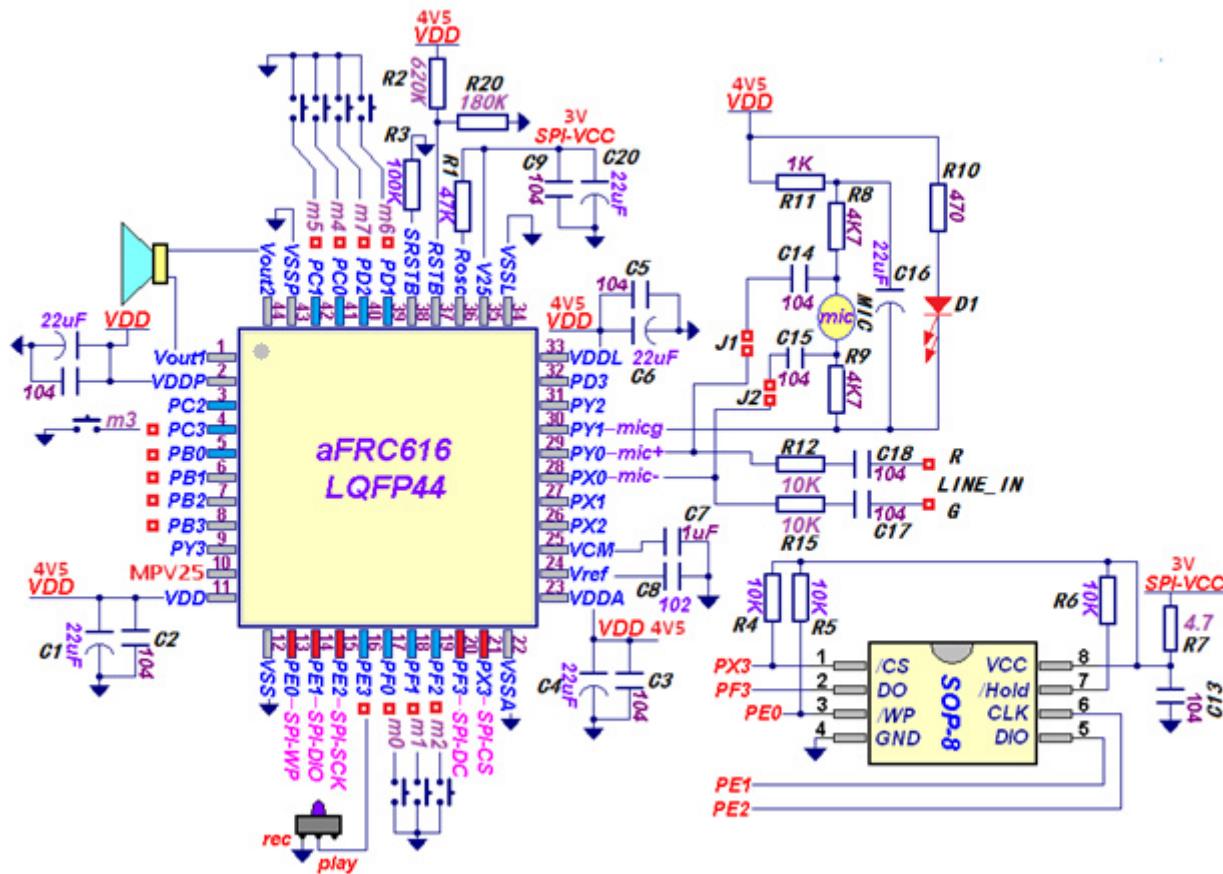
Oscillator Resistance Table					
Resistance	**Sampling Frequency**	**1-fixed message**	**2-fixed message**	**4-fixed message**	**8-fixed message**
189K	6K	85 sec	42 sec	21 sec	10.6 sec
147K	7K	73 sec	36 sec	18 sec	9 sec
115K	8K	64 sec	32 sec	16 sec	8 sec
95K	9K	56 sec	28 sec	14 sec	7. sec
76K	10K	51 sec	25 sec	12 sec	6 sec
60K	11K	46sec	23 sec	11 sec	5.8 sec
47K	**12K**	**42 sec**	**21 sec**	**10.6 sec**	**5.3 sec**

The Rosc default 47K ohm