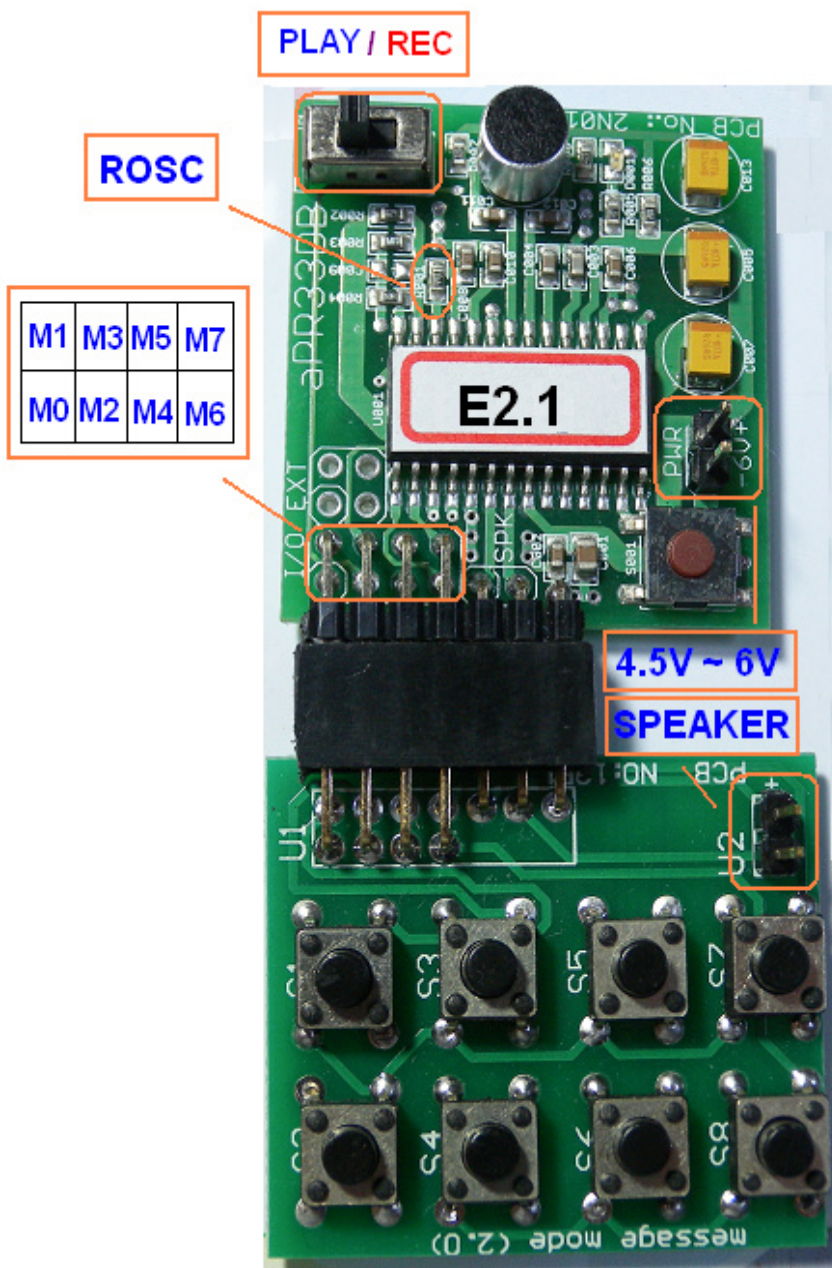


aPR33AxDBF-E2.1 (Fixed 1/ 2/ 4/ 8 Message mode)

Demo Board User Guide

aPR33AxDBF-E2.1 is suitable for aPR33A3, 2 chips with supporting Fixed 1/2/4/8 message, 4 modes.

■ aPR33AxDBF –E2.1 Function :

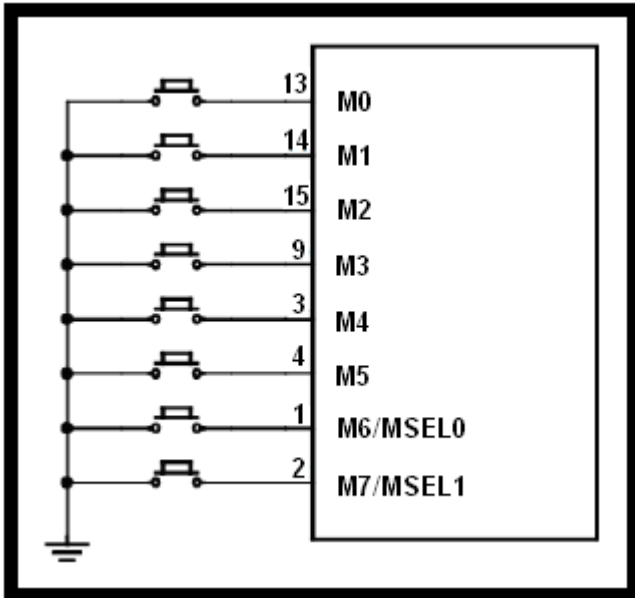


◆ **RECORDING VOICE MESSAGE :**
SLIDE SW to REC → Press and hold TACT SW(S1~S8), hear BEEP sound with LED on to start REC through Microphone → Release TACT SW, hear BEEP BEEP sound with LED off to complete REC.

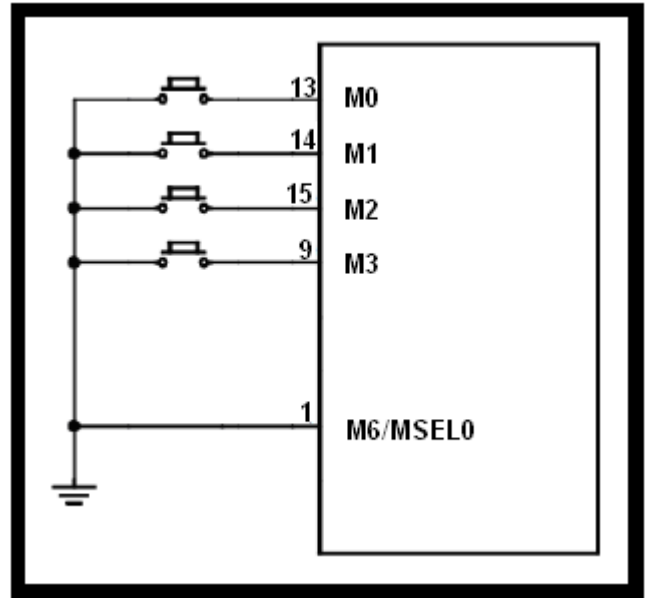
◆ **PLAY VOICE MESSAGE :**
SLIDE SW to PLAY → Press and leave TACT SW(S1~S8) to play voice with LED on. After play finished, LED will off.

The initial setting is 8 message mode. User can define 1/2/4/8 message mode by setting MSEL0 and MSEL1 pin as below :

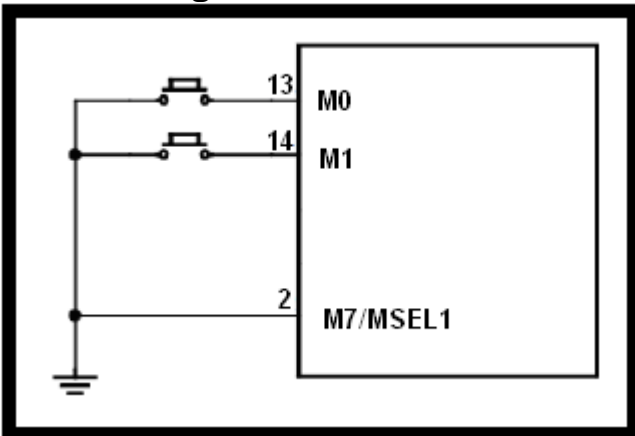
● **8-Message Mode**



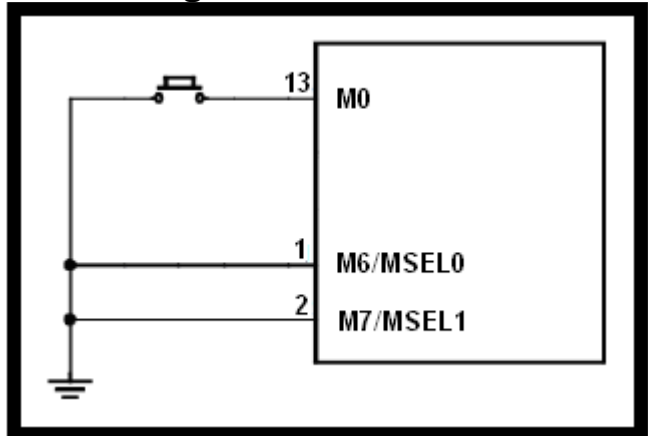
● **4-Message Mode**



● **2-Message Mode**



● **1-Message Mode**



The sample rate can be adjusted by using different values of resistors as below table :
 (Default : 12K)

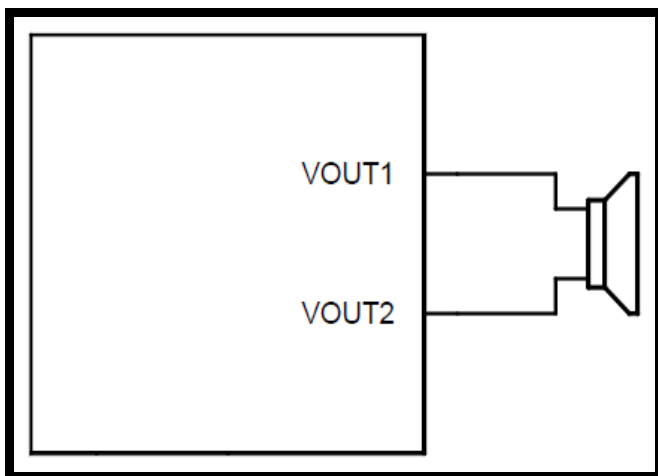
Resistance	Sampling Frequency	Duration aPR33A3
189K	6K	682 sec
147K	7K	584 sec
115K	8K	512 sec
95K	9K	454 sec
76K	10K	408 sec
60K	11K	372 sec
47K	12K	341 sec

■ **VOICE OUTPUT**

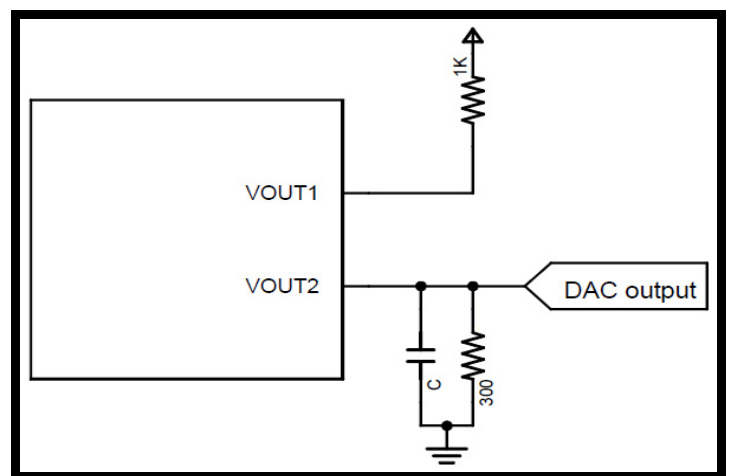
The aPR33AxDBF support 2 voice output mode, PWM and DAC. (Default : PWM)

The PWM mode use VOUT1 and VOUT2 pin to drive speaker.

The DAC mode use VOUT2 pin to connect your transistor or amplifier.



(A) PWM



(B) DAC

© For more DAC application, Please visit <http://www.aplusinc.com.tw> for data sheet.

➤ If needs Line- In circuit application, please visit <http://www.aplusinc.com.tw> for datasheet.

Ver.1

Original version aPR33AxDBF-E2.1 User Guide
