

DBMFL-ENG2

User Guide

Demo Board for aMTPxxM series

APLUS INTEGRATED CIRCUITS INC.

Address:

3 F-10, No. 32, Sec. 1, Chenggung Rd., Taipei, Taiwan 115, R.O.C.

TEL:

886-2-2782-9266

FAX:

886-2-2782-9255

WEBSITE :

<http://www.aplusinc.com.tw>

Technology E-mail:

service@aplusinc.com.tw

Sales E-mail:

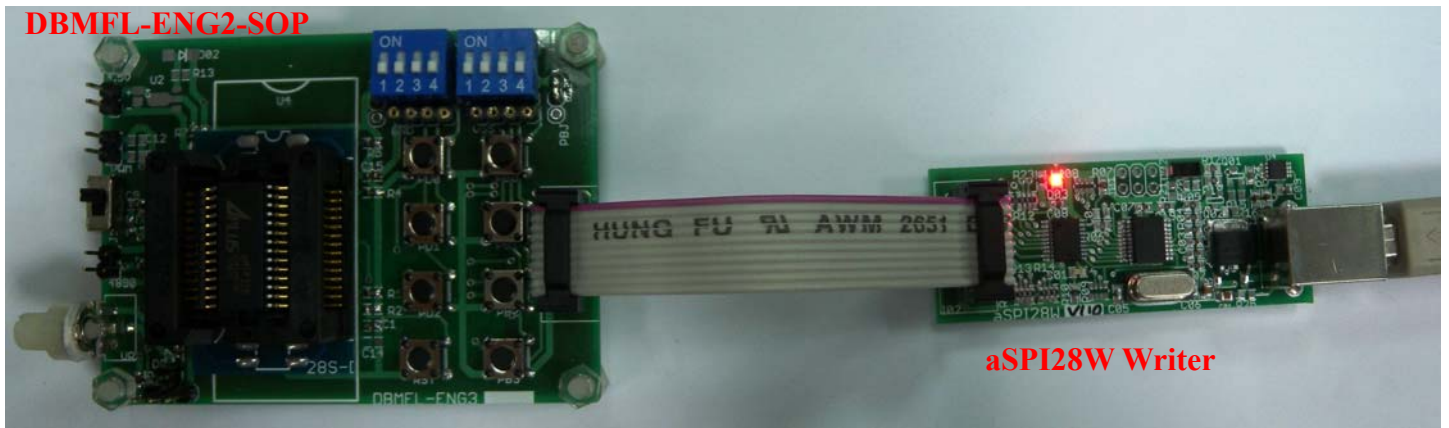
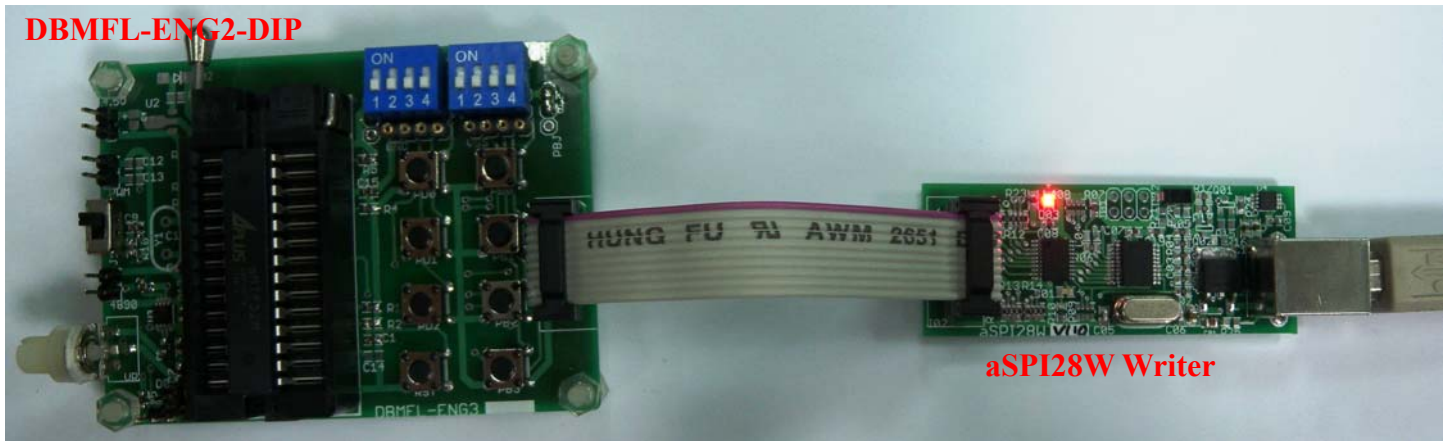
sales@aplusinc.com.tw

- DBMFL-ENG2, support 5 function mode by PB0~PB3, PD0~PD2 and Dip switch
- 5 modes are : Key trigger mode, Sequential trigger mode, CPU parallel mode, CPU serial mode and MP3 mode. (see mode details in spec)

DBMFL-ENG2-DIP Demo Board is for programming aMTPxxM, 28PIN DIP

DBMFL-ENG2-SOP Demo Board is for programming aMTPxxM, 28PIN SOP

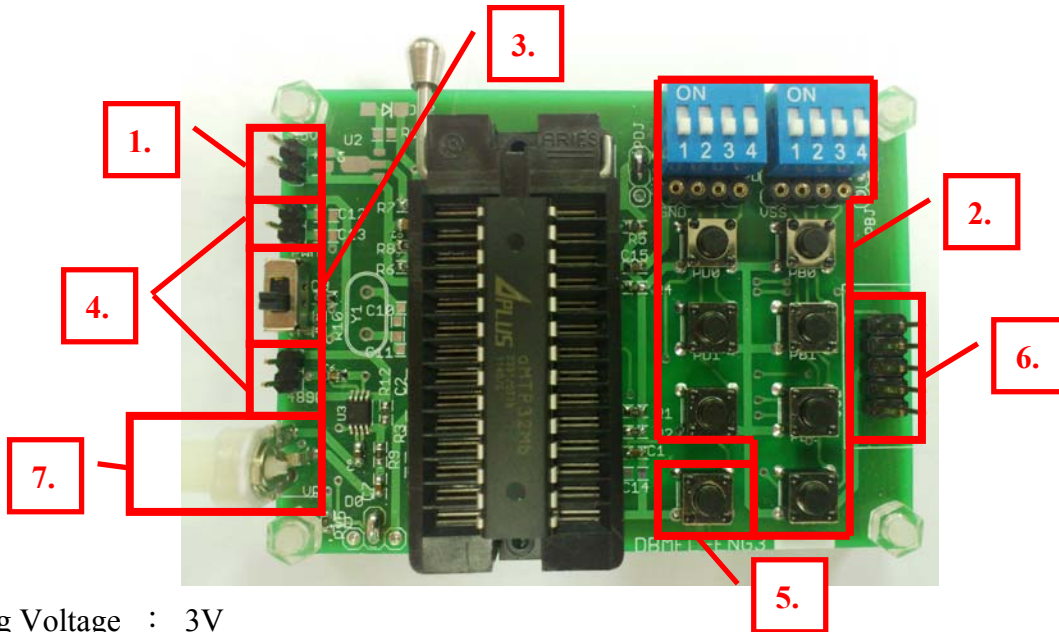
Connect DBMFL-ENG2 to APLUS WRITER (part no : aSPI28W) to program as below



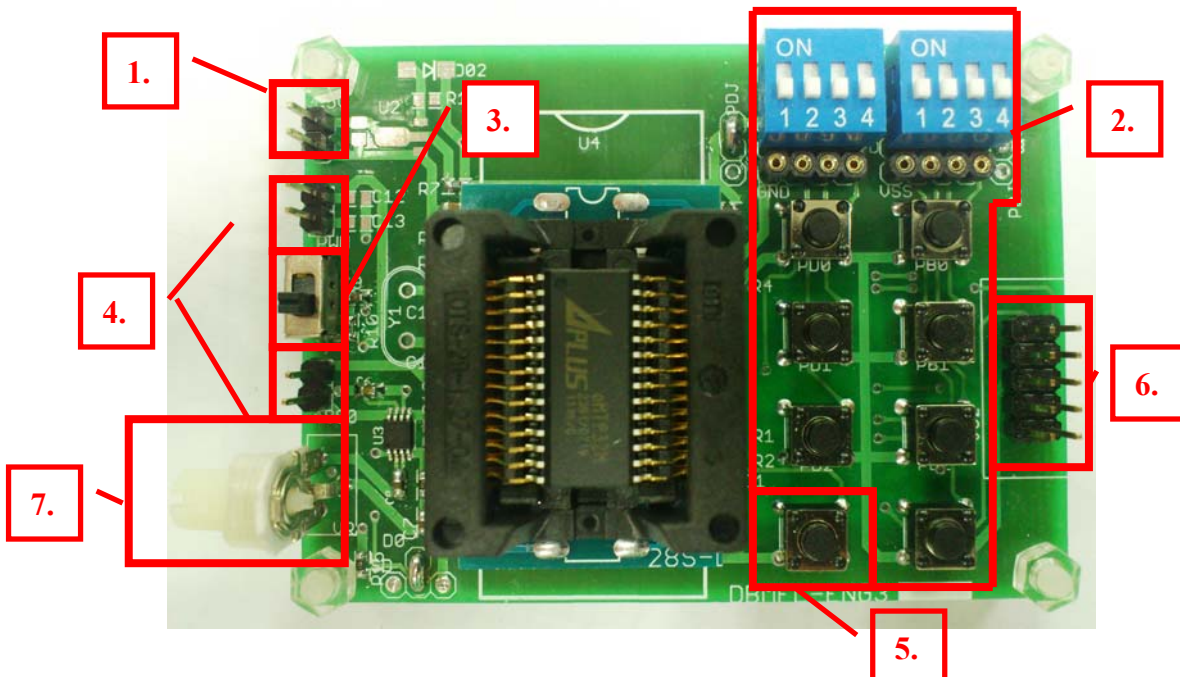
After program finished, remove cable. Then connect battery and speaker to DBMFL-ENG2 to listen.

Warning: aSPI28W PWR pin will offer power to circuit. So before connecting to aSPI28W, you must remove any other power source

■ **DBMFL-ENG2 manual :**



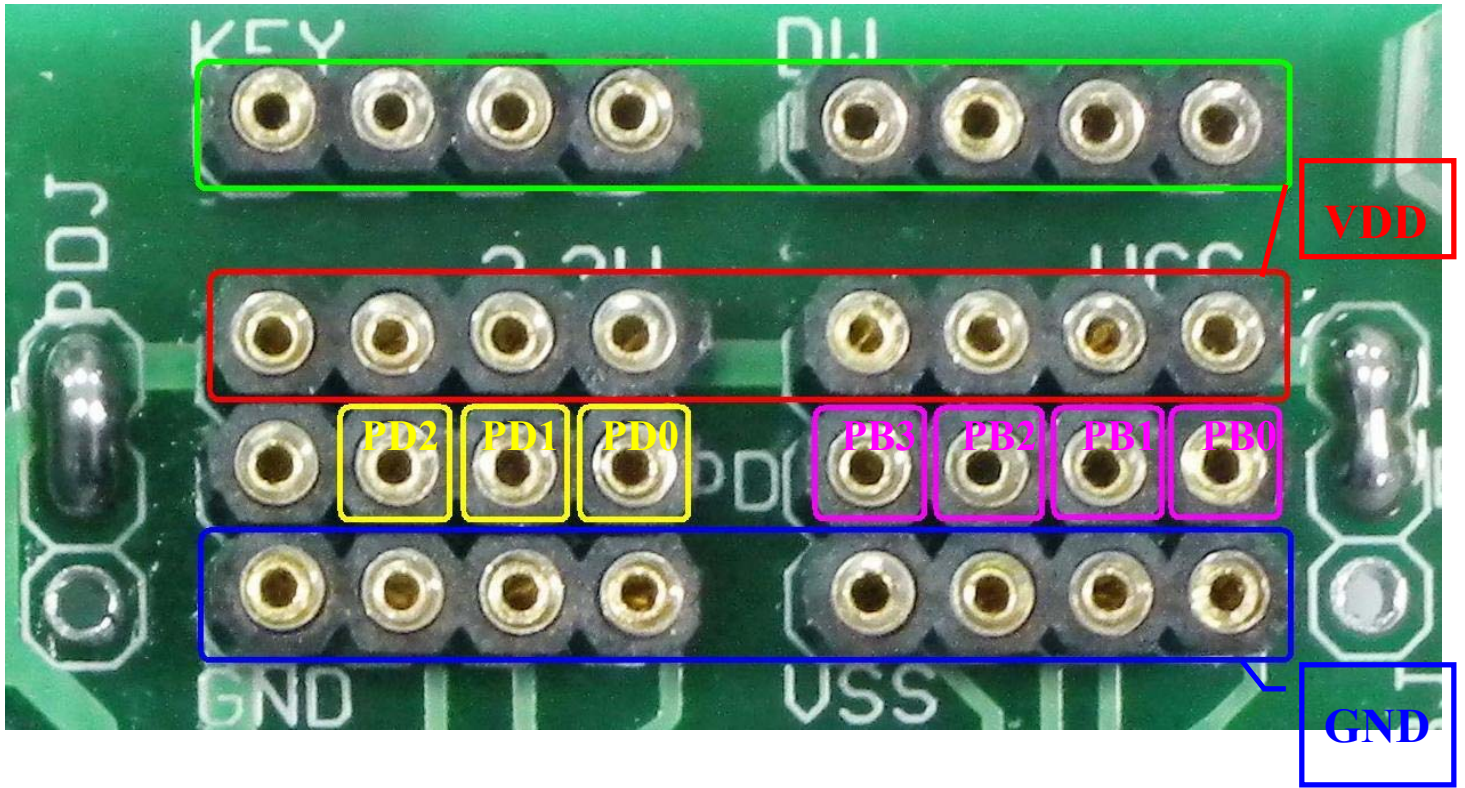
1. Working Voltage : 3V
2. Function Switch : PB0 to PB3 and PD0 to PD2 and DIP switch.
3. Output Option : Set aP4890 (DAC) or PWM
4. Speaker connect : Connect Speaker to 4890 (DAC) or PWM
5. Reset Key : Reset aMTPxxM
6. Program Pin : Connect aSPI28W to Program
7. Volume Control : DAC volume control



Note : Dac or PWM speaker output should be same as DAT setting. If compiler DAT by PWM, then speaker need to connect PWM. If by DAC, then speaker should connect to DAC.

■ **SWITCH APPLICATION :**

Remove DIP switch to get more application through below I/O definition.



■ HISTORY

Ver 1.1 2012/01/06

[ADD] Section: SWITCH APPLICATION.

Ver 1.0 2011/12/28

The 1st version user guide for DBMFL-ENG2 writer.
