

# aMTP32MK-DB

## User Guide

Demo Board for aMTP32MK

### **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:**

[edit@aplusinc.com.tw](mailto:edit@aplusinc.com.tw)

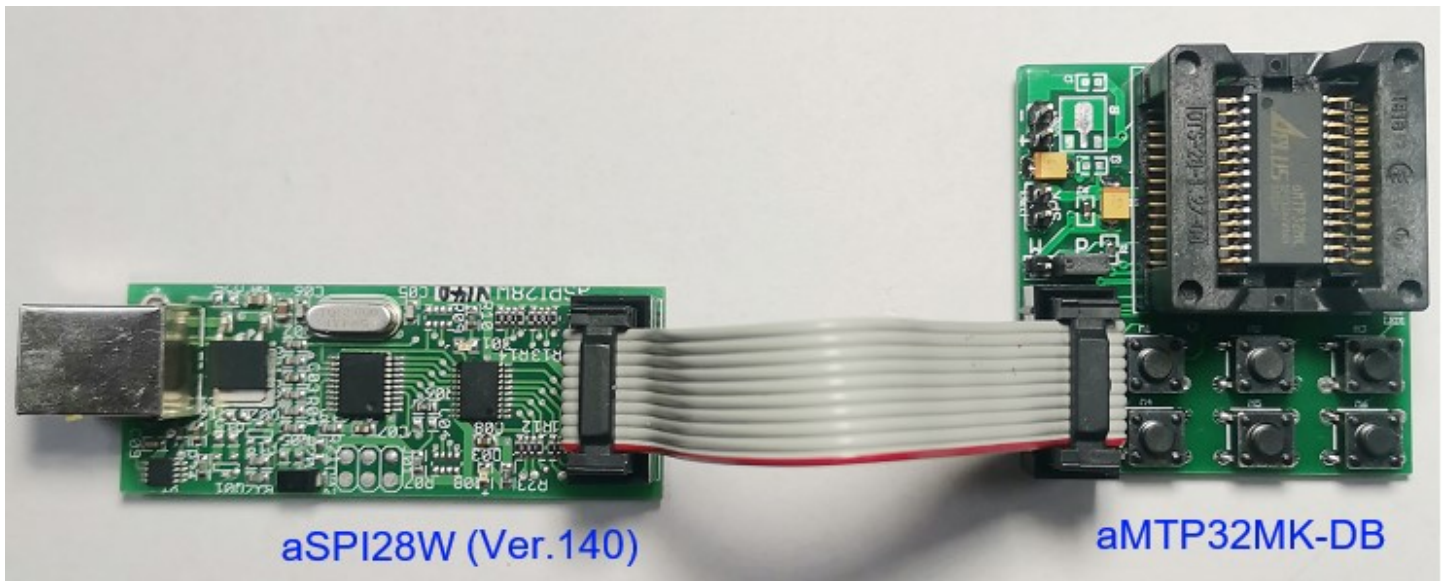
**Sales E-mail:**

[sales@aplusinc.com.tw](mailto:sales@aplusinc.com.tw)

- aMTP32MK-DB, support 5 function mode by PC0, PC1 , PC3 , PD1, PD2, PX0, PY0.
- 5 modes are : Key trigger mode, Sequential trigger mode, CPU parallel mode, CPU serial mode and MP3 mode. ( see mode details in spec )

aMTP32MK-DB Demo Board is for programming aMTP32MK, 28PIN SOP

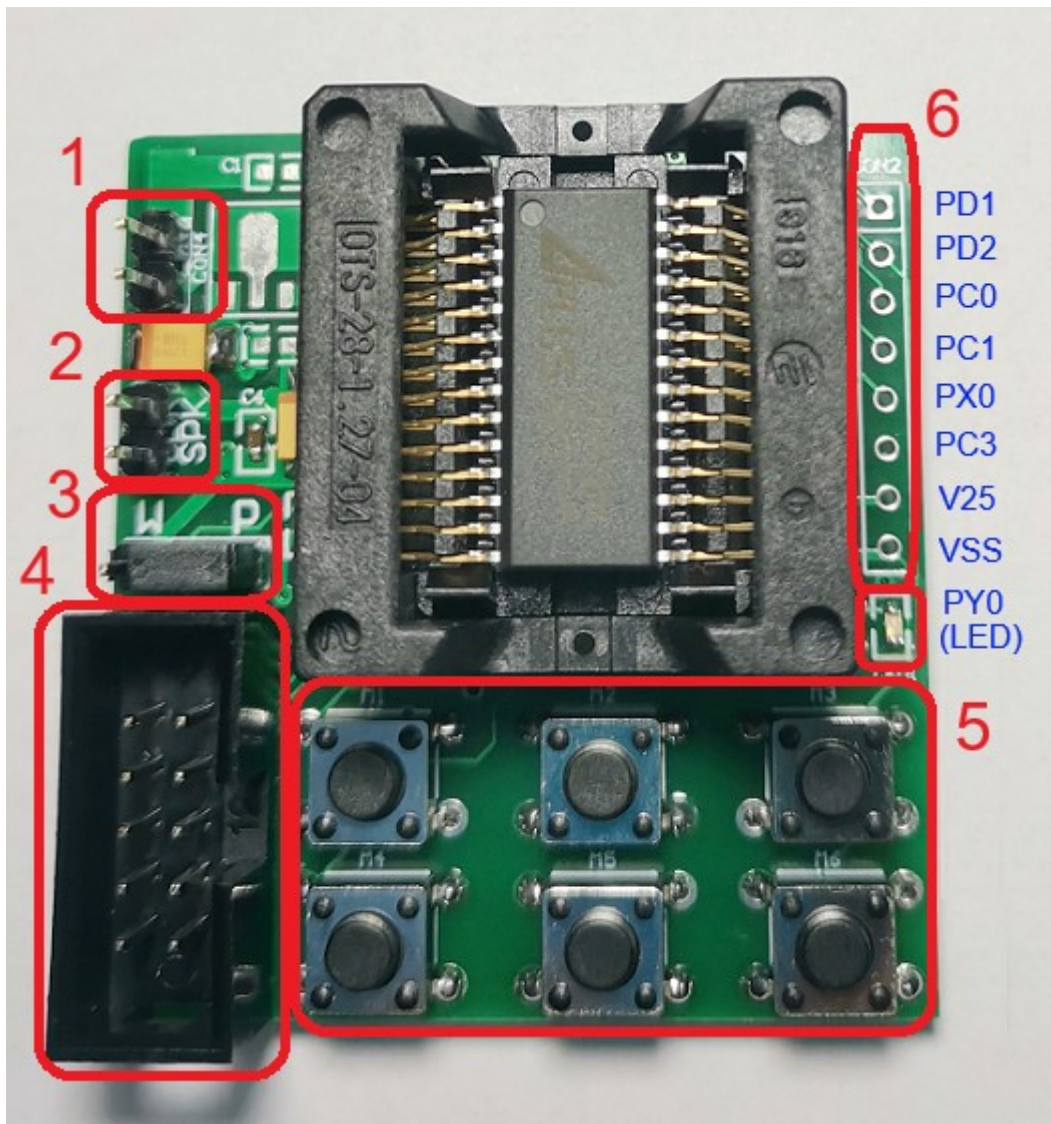
Connect aMTP32MK-DB to APLUS WRITER ( part no : aSPI28W ) to program as below



After program finished, remove cable. Connect battery and speaker to aMTP32MK-DBS  
Then switch to PLAY mode to listen.

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

■ aMTP32MK-DB manual :



1. Working Voltage : 3V ~ 6V
2. Speaker connect : PWM
3. Switch Option : WRITE or PLAY
4. Program Pin : Connect aSPI28W to Program
5. Function Switch : PC0, PC1 , PC3 , PD1, PD2, PX0.
6. Switch Application : More applications can be obtained through the following I/O definitions.

---

## ■ HISTORY

---

Ver 1.0

28/08/2023

The 1<sup>st</sup> version user guide for aMTP32MK-DB.

---