



MT793X IoT SDK for Keypad

User Guide

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Version History

Version	Date	Description
0.1	2021-04-01	Initial draft

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1 Overview

The software architecture of the keypad module is as follows:

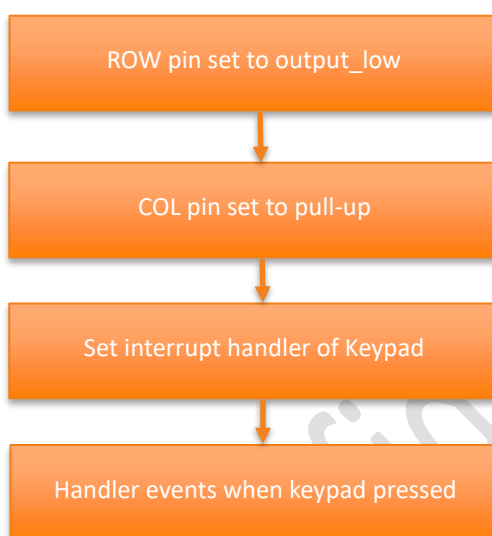


Figure 1. Keypad Driver Architecture

2 Keypad Usage

1. Add the code to `$(project)/driver/chip/mt7933/src/GCC/module.mk`

```
ifeq ($(MTK_HAL_KEYPAD_MODULE_ENABLE), y)

CFLAGS += -DHAL_KEYPAD_MODULE_ENABLE

CFLAGS += -I$(SOURCE_DIR)/$(MT7933_CHIP)/src/keypad/inc

C_FILES += $(MT7933_CHIP)/src/keypad/src/kpd.c

Endif
```

2. Add the following code in `$(project)/project/mt7933_hdk/apps/bga_evb/GCC/hal_feature.mk`

```
MTK_HAL_KEYPAD_MODULE_ENABLE = y
```

3. Add the keypad initialization function to main

```
Int main(void) {
    .....
    hal_keypad_init();
    .....
}
```

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