

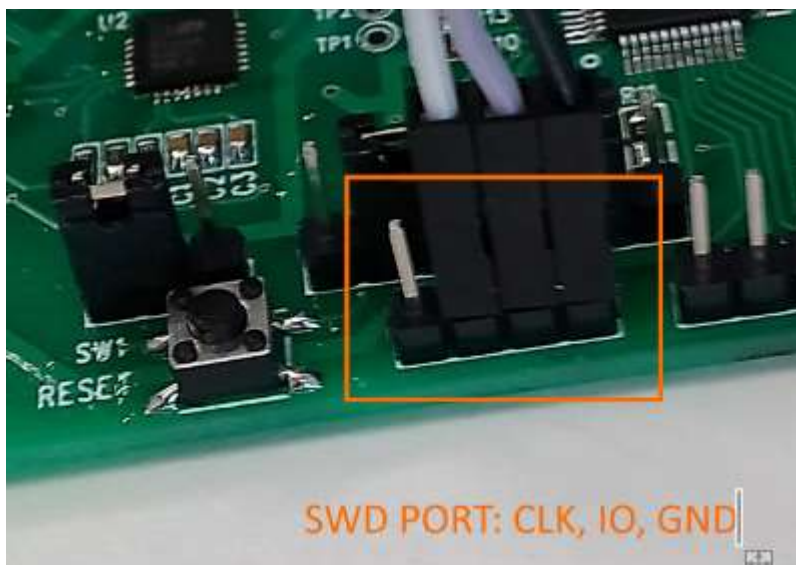
MCU007, MCU008 Flashing Guide

1. Prepare SEGGER J-Link (or compatible) downloader



2. SWD port connection

MCU007 EVB board	JLINK
PIN # 2 CLK	# 9
PIN # 3 IO	# 7
PIN # 4 GND	# 16

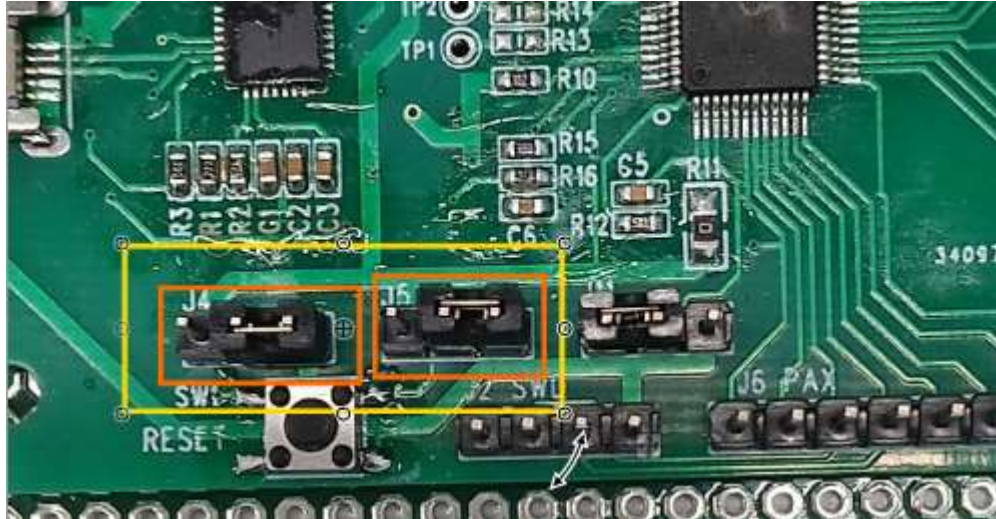


Hook up J-Link and MCU007 evaluation board as diagram shown

3. Connect evaluation to SWD Flash Mode as shown

J4 work mode selection: WM #2 - #3

J5 test mode selection: TM #2 - #3



4. On PC, open COMMAND prompt, navigate to the program folder

```
Microsoft Windows [Version 10.0.17134.1345]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\HYC>d:
D:\>cd A_Projs\as32m0_sdk\user
D:\A_Projs\as32m0_sdk\user>
```

```

ca. Command Prompt
D:\A_Projs\as32m0_sdk\user>007flasher.exe .\blinking\output\blinking.hex
jlink object created
Version: 0.02 Build: 2020.06.25 17:08
File name= .\blinking\output\blinking.hex
[JLinkConnectInfo(J-Link <Serial No. 13562039, Conn. USB>)]
Core ID: 196154487
Family: 6
Target connected: True
Core CPU: 100663551
Core name: Cortex-M0
CPU halt? True
Flash full Erased

memory DW read @ 0x00000000 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000010 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000020 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000030 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000040 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000050 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000060 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000070 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000080 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x00000090 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x000000A0 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x000000B0 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x000000C0 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x000000D0 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x000000E0 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
memory DW read @ 0x000000F0 : FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

memory DW read @ 0x00000000 : 20000A20 000000B5 000000BF 00000099
memory DW read @ 0x00000010 : 00000000 00000000 00000000 00000000
memory DW read @ 0x00000020 : 00000000 00000000 00000000 000000C3
memory DW read @ 0x00000030 : 00000000 00000000 000000C5 000003AD
memory DW read @ 0x00000040 : 000000C9 000000C9 000000C9 000000C9
memory DW read @ 0x00000050 : 000000C9 000000C9 000000C9 000000C9
memory DW read @ 0x00000060 : 000000C9 000000C9 00000B35 000000C9
memory DW read @ 0x00000070 : 000000C9 000000C9 000000C9 000000C9
memory DW read @ 0x00000080 : 000000C9 46854803 F8CEF000 47004800
memory DW read @ 0x00000090 : 00000AB9 20000A20 46712004 D0024208
memory DW read @ 0x000000A0 : 8009F3EF F3EFE001 46718008 47104A00
memory DW read @ 0x000000B0 : 000008E9 4B064A05 48066013 E7FE4700
memory DW read @ 0x000000C0 : E7FEE7FE E7FEE7FE 0000E7FE 400600A0
memory DW read @ 0x000000D0 : 000012D 00000085 460BB530 20004601
memory DW read @ 0x000000E0 : 24012220 460DE009 429D40D5 461DD305
memory DW read @ 0x000000F0 : 1B494095 40954625 46151940 2D001E52

D:\A_Projs\as32m0_sdk\user>

```

Command

FLASH contents after ERASE

Program file

FLASH contents after Program downloaded

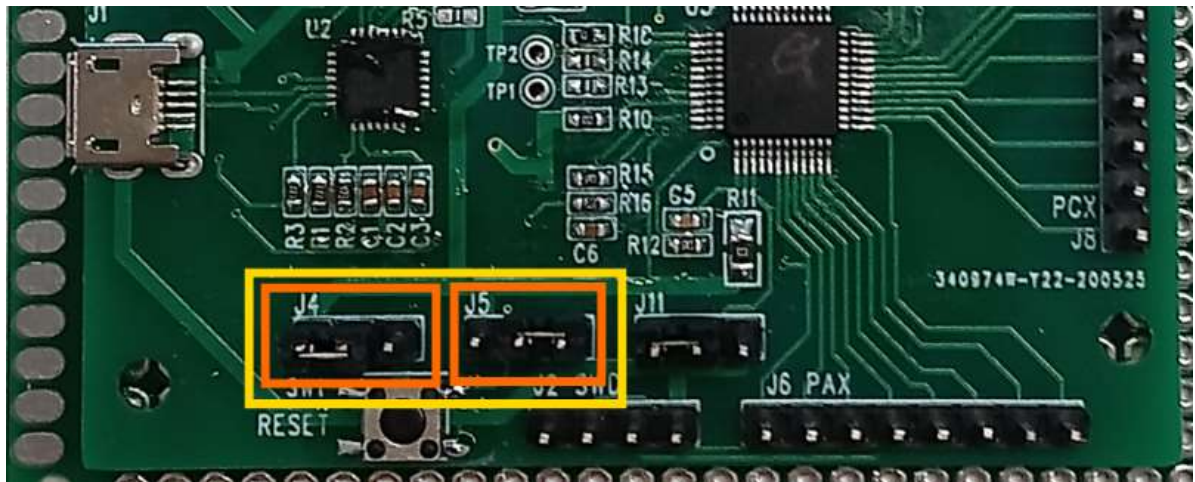
****Please place JLinkARM.dll file and 007flasher.exe in the same folder**

After program downloaded, the program will start to RUN.

5. Don't forget to set jumper J4 & J5 to Normal Mode before pushing RESET button for normal RESET or RUN

J4 #1 - #2

J5 #2 - #3



6. UART demonstration

The UART evaluation program are set to 115200 (baud rate)

