

**32**

**HC32L13 / HC32F03**

**MCU**

<b>L</b>	<b>HC32L130</b>	<b>HC32L136</b>
<b>F</b>	<b>HC32F030</b>	

- HC32L13

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<b>2.</b>	.....	<b>3</b>
<b>3.</b>	.....	<b>3</b>
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3.1.4	.....	<b>6</b>
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1.

IDE

IAR

Keil MDK

MCU

2.

-40 ~85

1.8V~5.5V

LCD

-40 ~80

1.8V~3.3V

3.

3.1

Starter Kit

STK

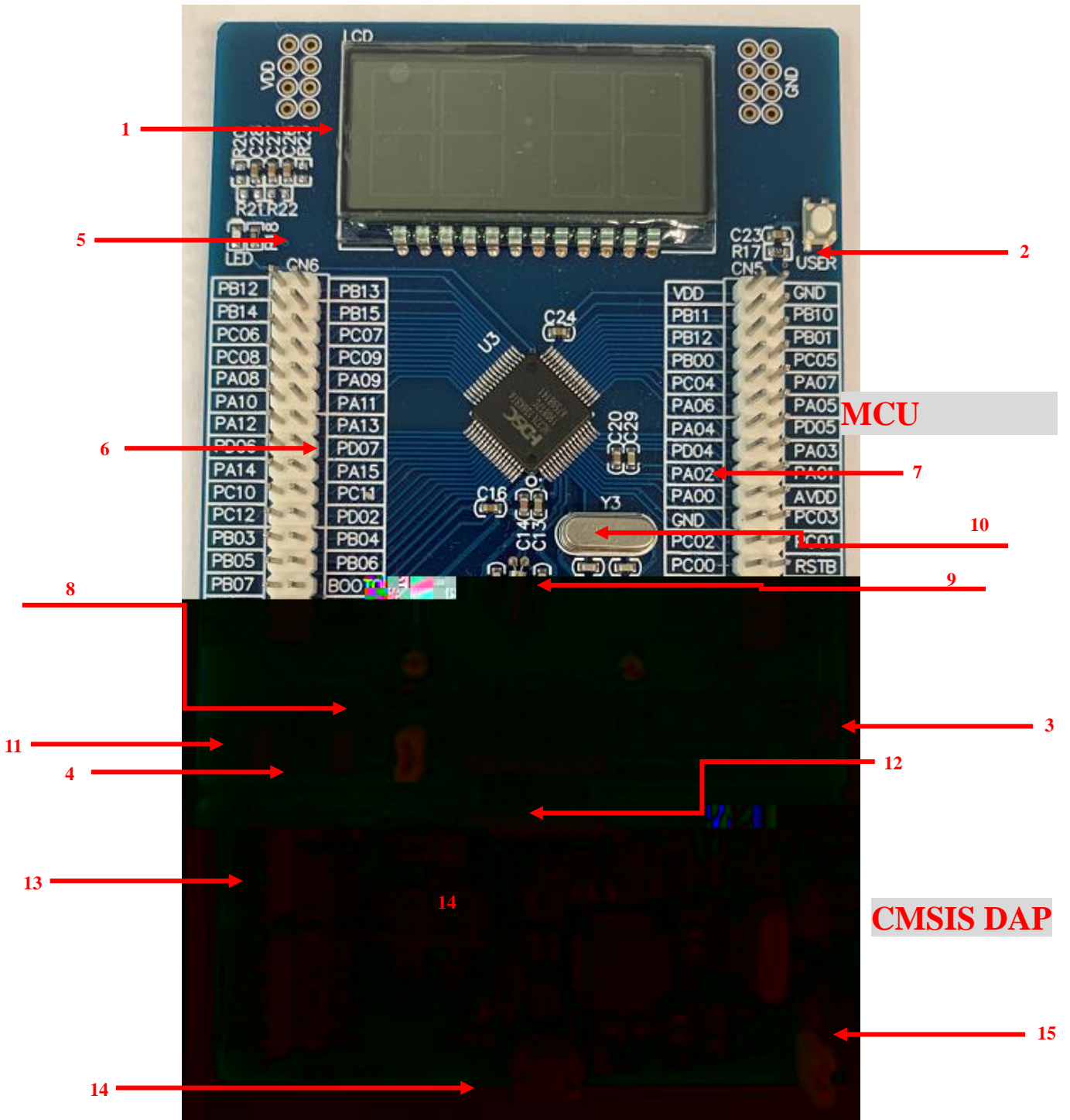
HC32L136K8TA

STK

MCU

MCU

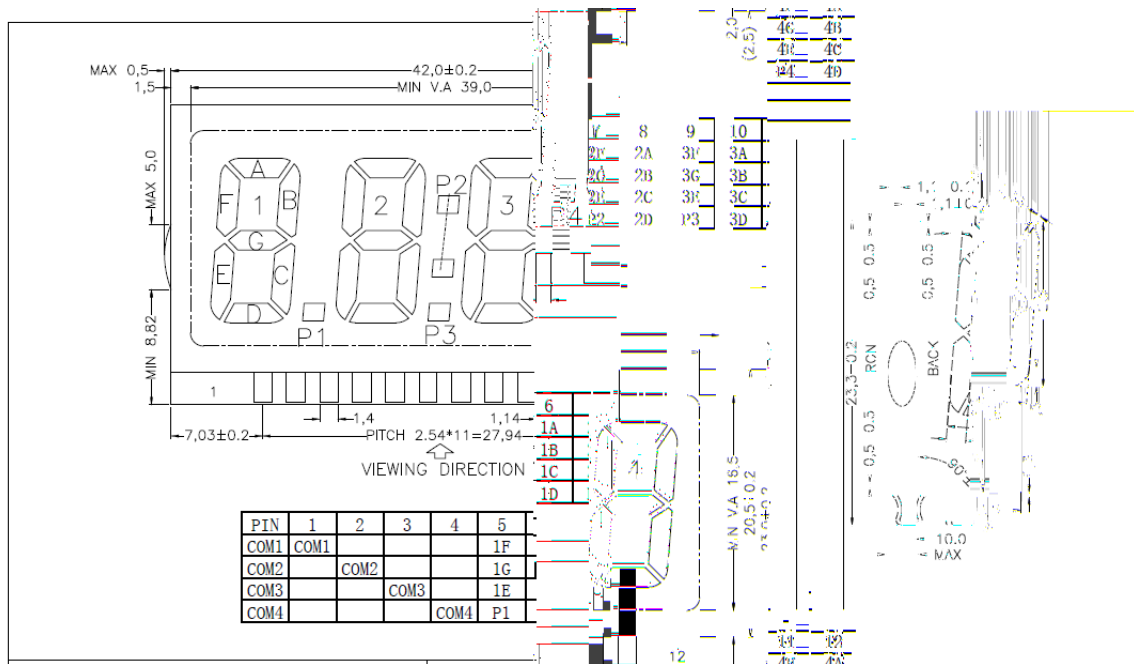
HC32L13



MCU		CMSIS DAP	
1	LCD	12	SWD CN2
2	USER	13	UART CN4
3	RST	14	Micro USBSTK CN1
4	PWR	15	5V 3.3V J2
5	LED		
6	CN6		
7	CN5		
8	MODE		
9	32.768KHz Y2		
10	32MHz Y3		
11	MCU CN1		

### 3.1.1 LCD

LCD                      1/4 Duty 1/3 Bias                      3V3



STK                      LCD Bias

### 3.1.2

STK                      2

MCU GPIO

MCU

	/
USER	PD04
RST	RESETB

### 3.1.3

STK                      2

MCU GPIO

STK

	/
PWR	
LED	PD05

### 3.1.4

STK                      2    2\*16

MCU



4.

MCU IDE IAR Keil MDK  
IDE <https://www.hdsc.com.cn>

产品特点 技术文档 开发工具 应用方案

华大开发板

 STK-HC32LFx3x-LQFP64 PDF BOM.zip	zip	2020-08-12	
 STK-HC32LFx3x-LQFP64设计文件.zip	zip	2020-08-12	
 HC32LE-2x原理图文件.zip	zip	2020-08-12	





4.1

-DDL

DDL



**driver**

IP API

**example**

IP IAR Keil  
 IP  
 STK Demo

**mcu**

MCU common IAR  
 EWARM Keil MDK

Keil Keil  
 ~/mcu/MDK/config/ \*.FLM Keil  
 ~/Keil/ARM/Flash/ Keil \*.FLM

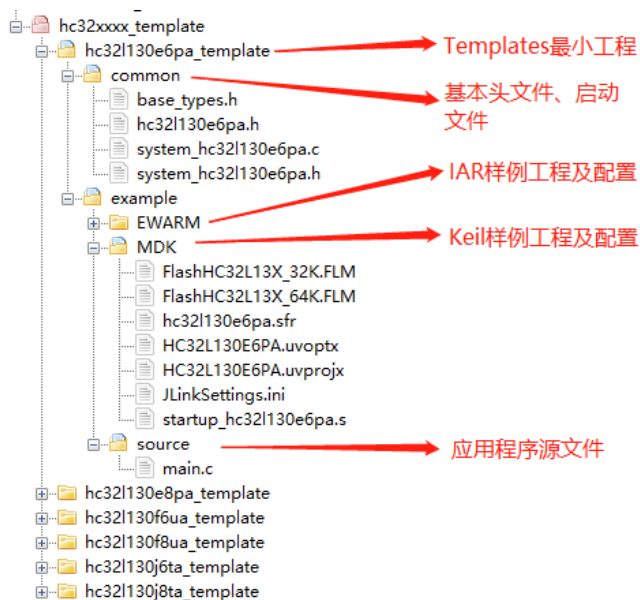
## 4.2 -Template

Template

MCU

template

Template



Templates最小工程

基本头文件、启动文件

IAR样例工程及配置

Keil样例工程及配置

应用程序源文件

Keil

Keil

~/mcuMDK/ \*.FLM

Keil

~/Keil/ARM/Flash/ Keil

\*.FLM

5.

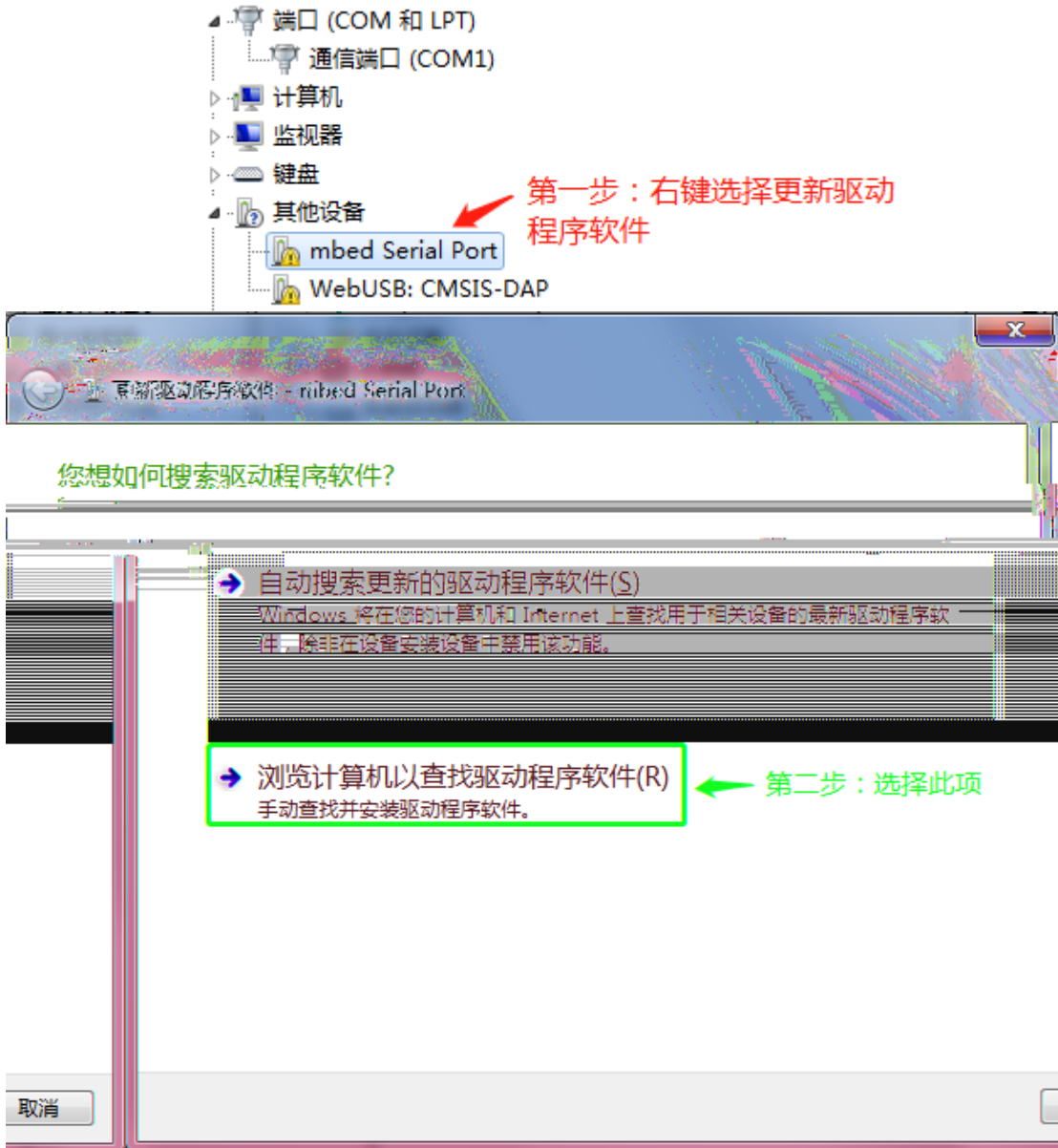
5.1

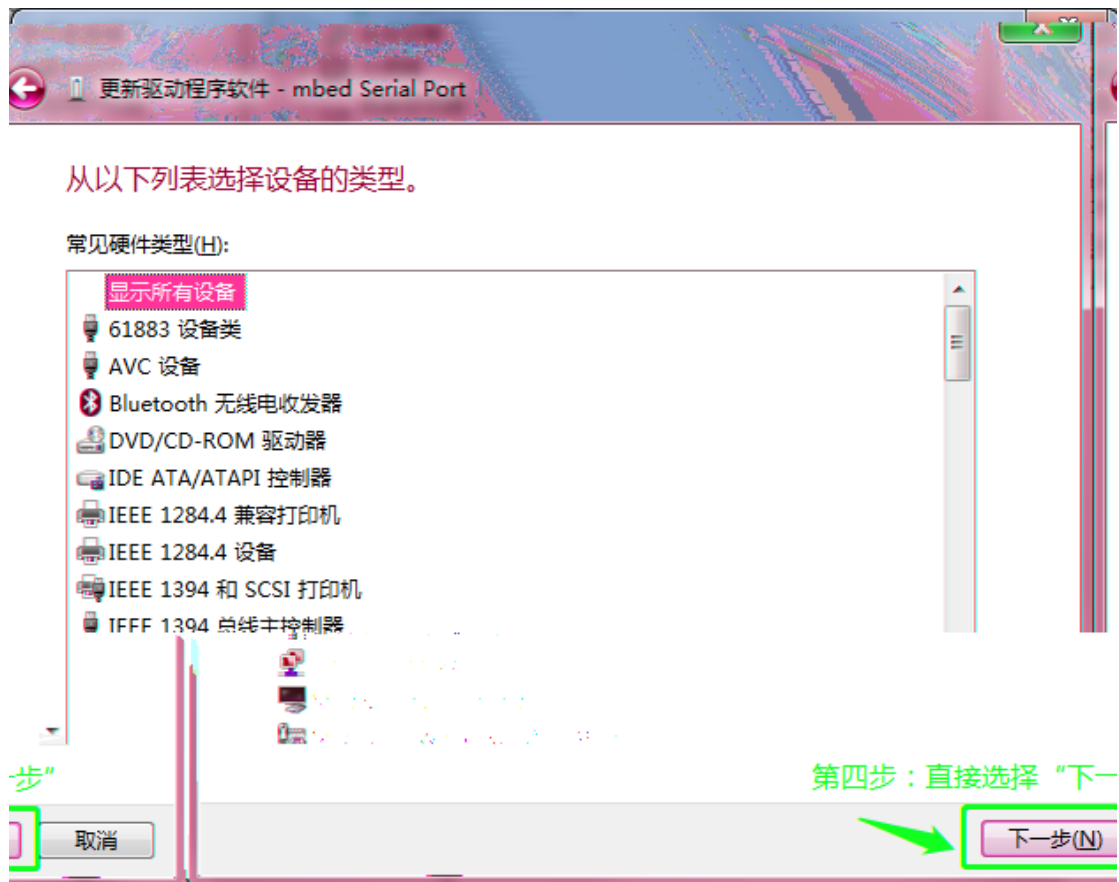
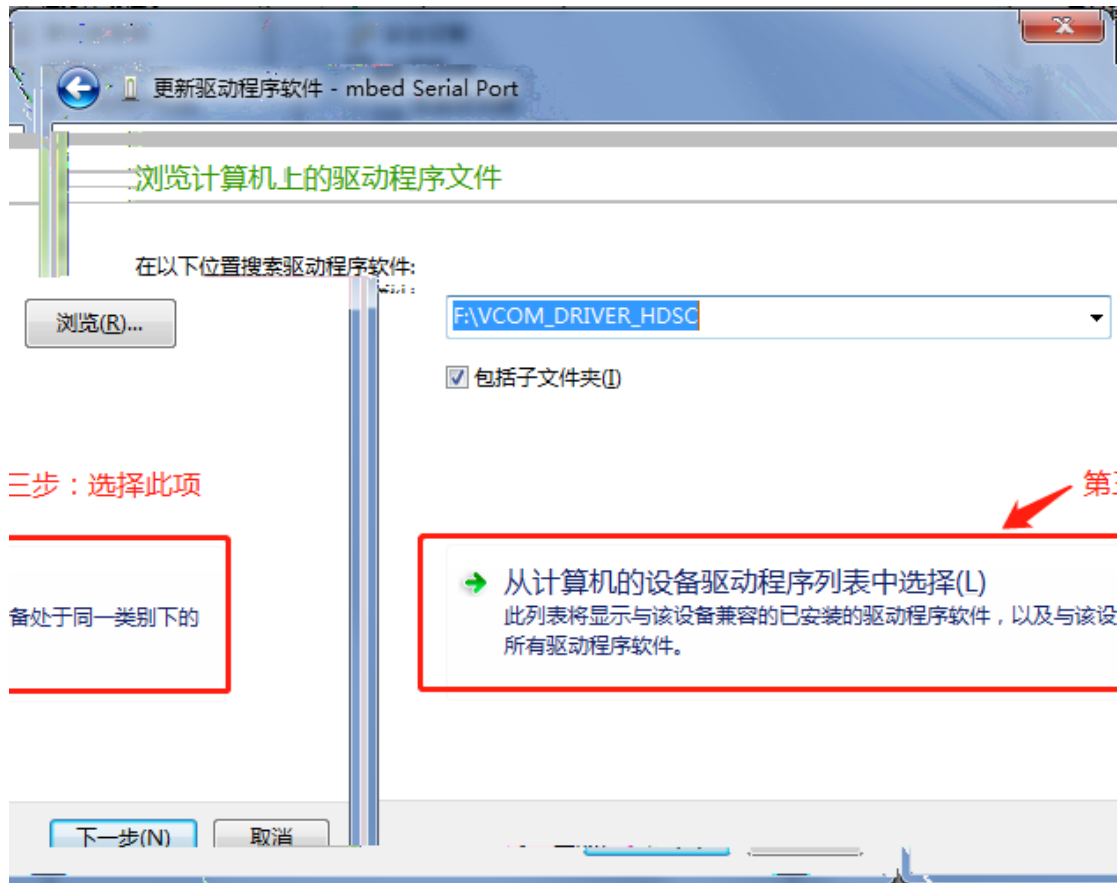
CMSIS DAP

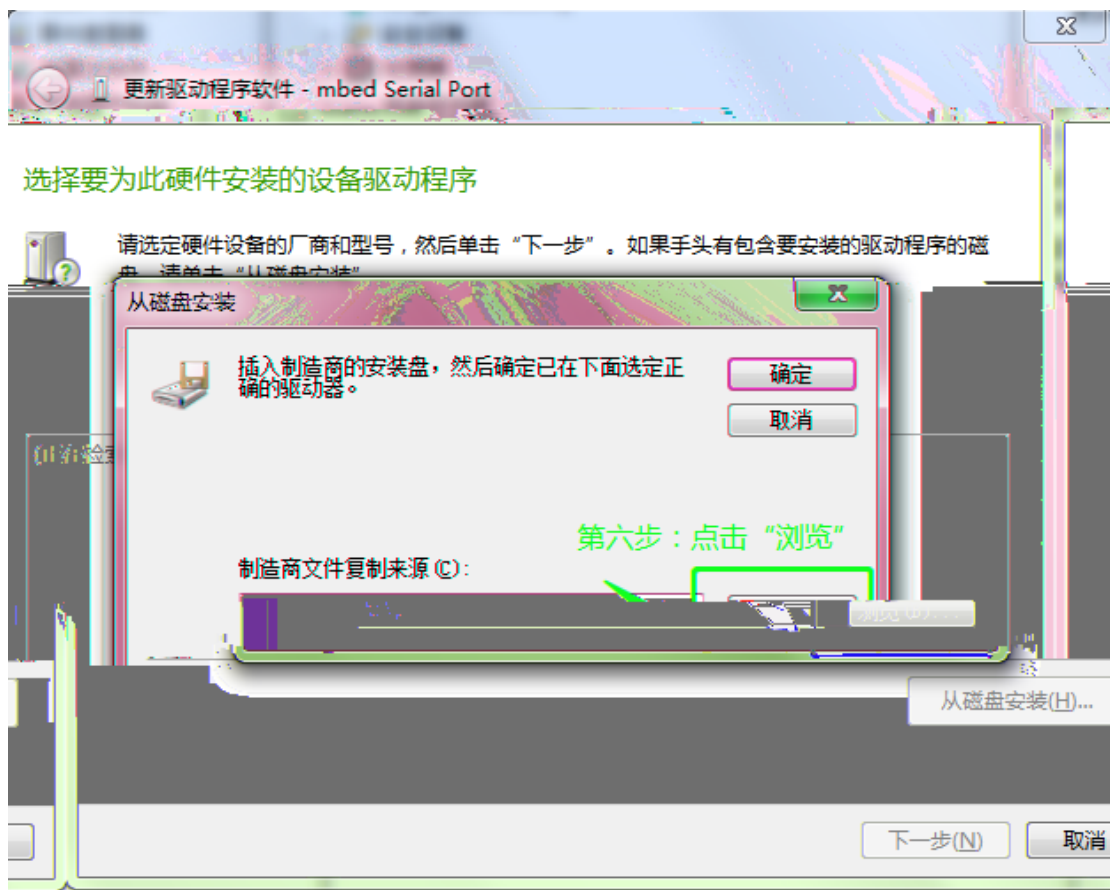
Win7

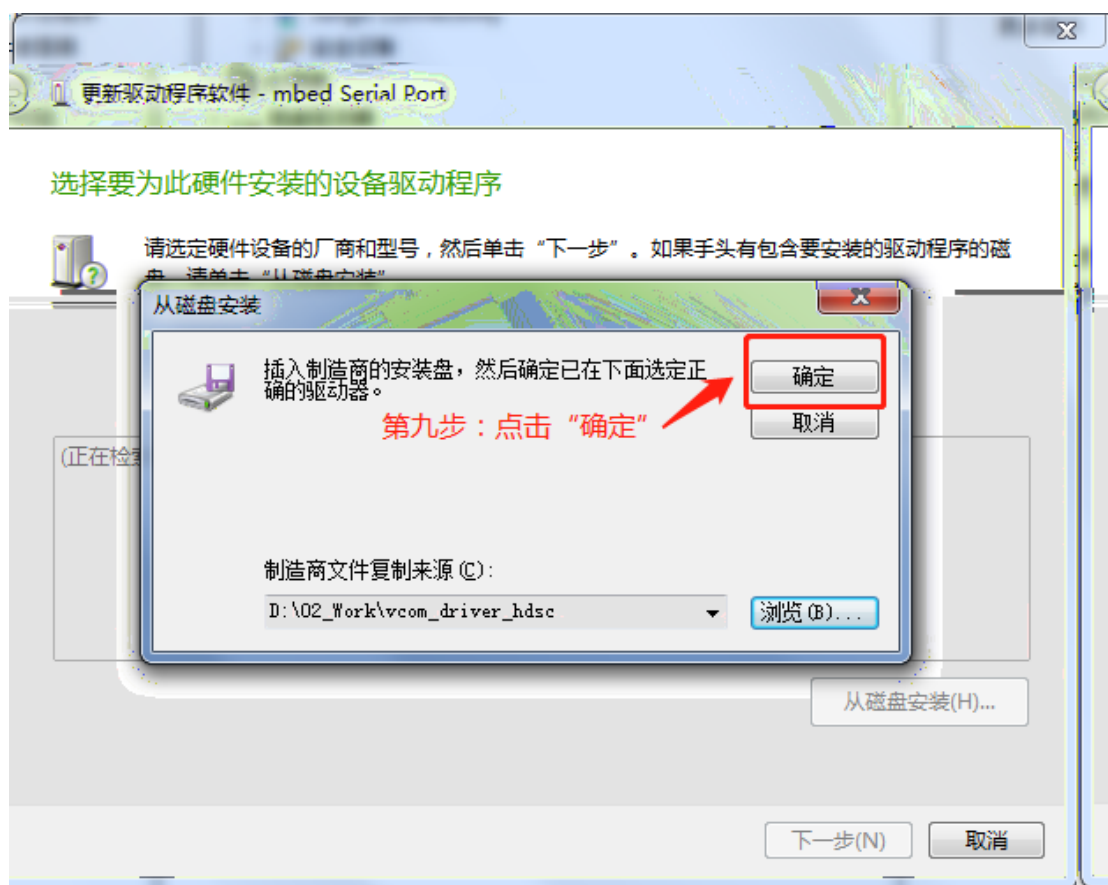
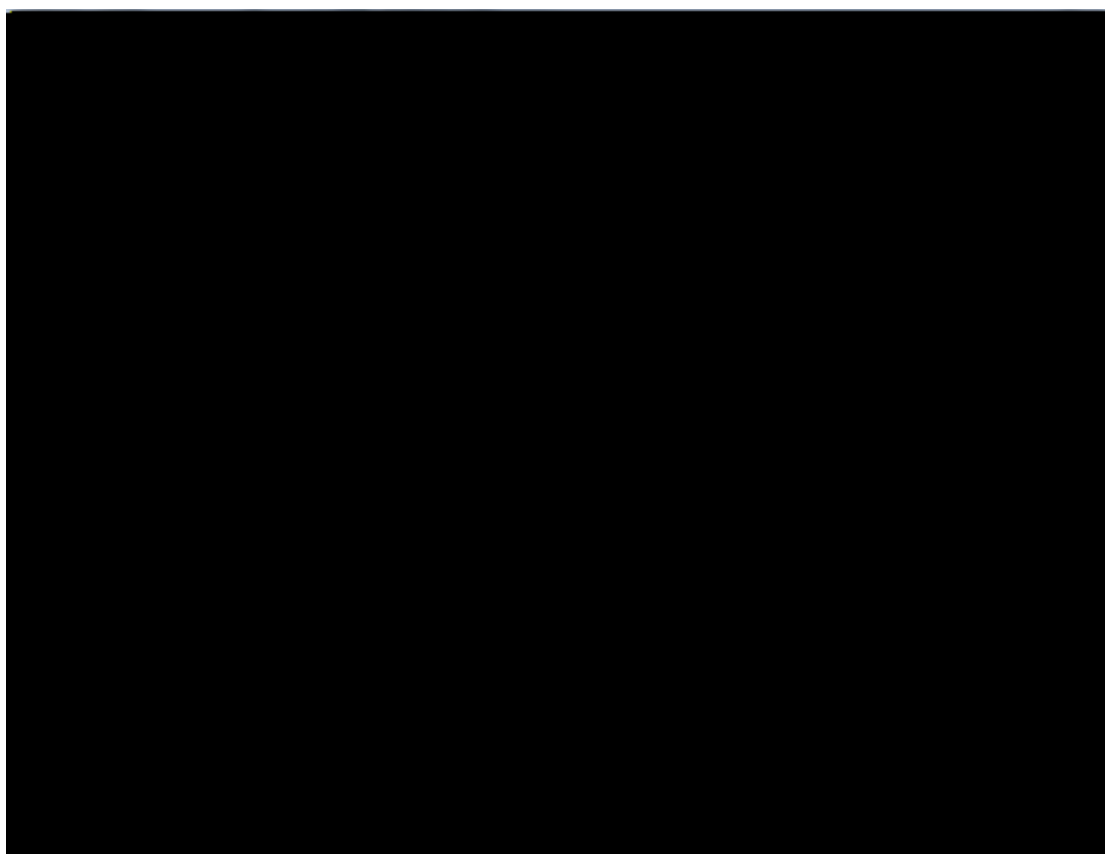
Win10

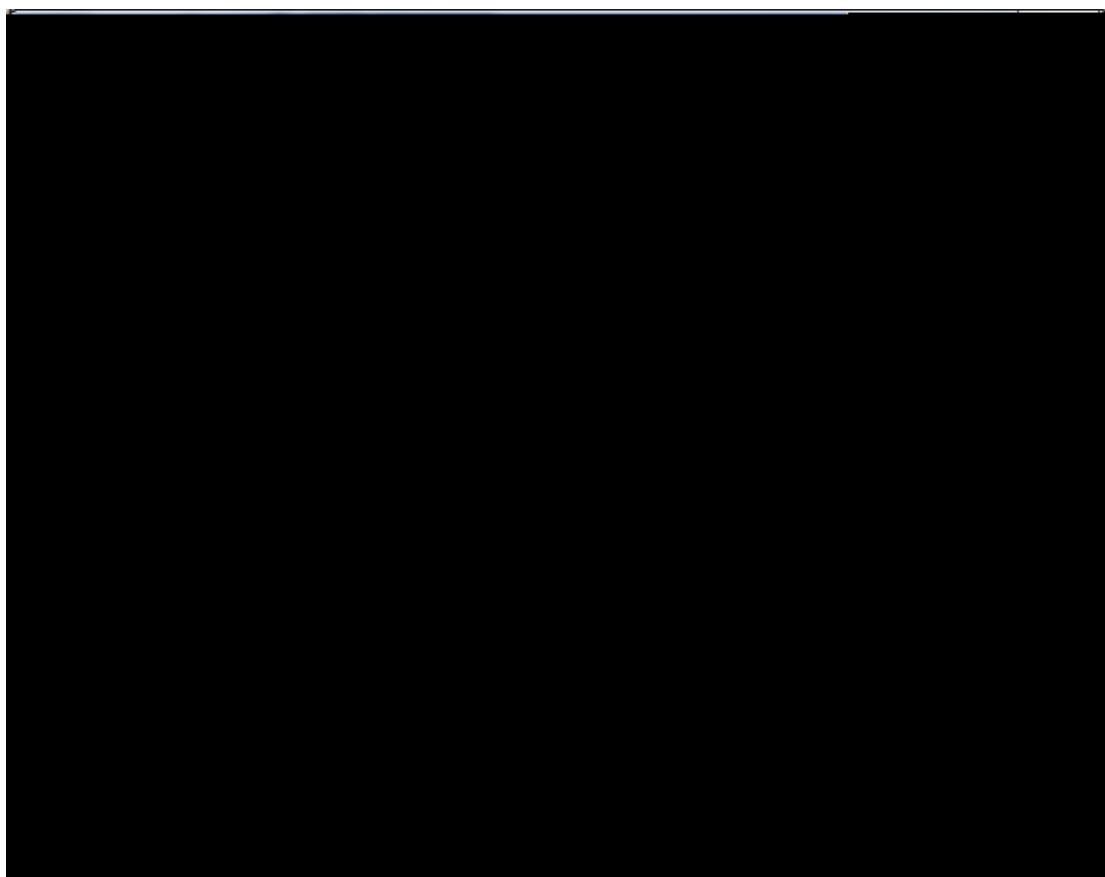
vcom\_driver\_hdsc

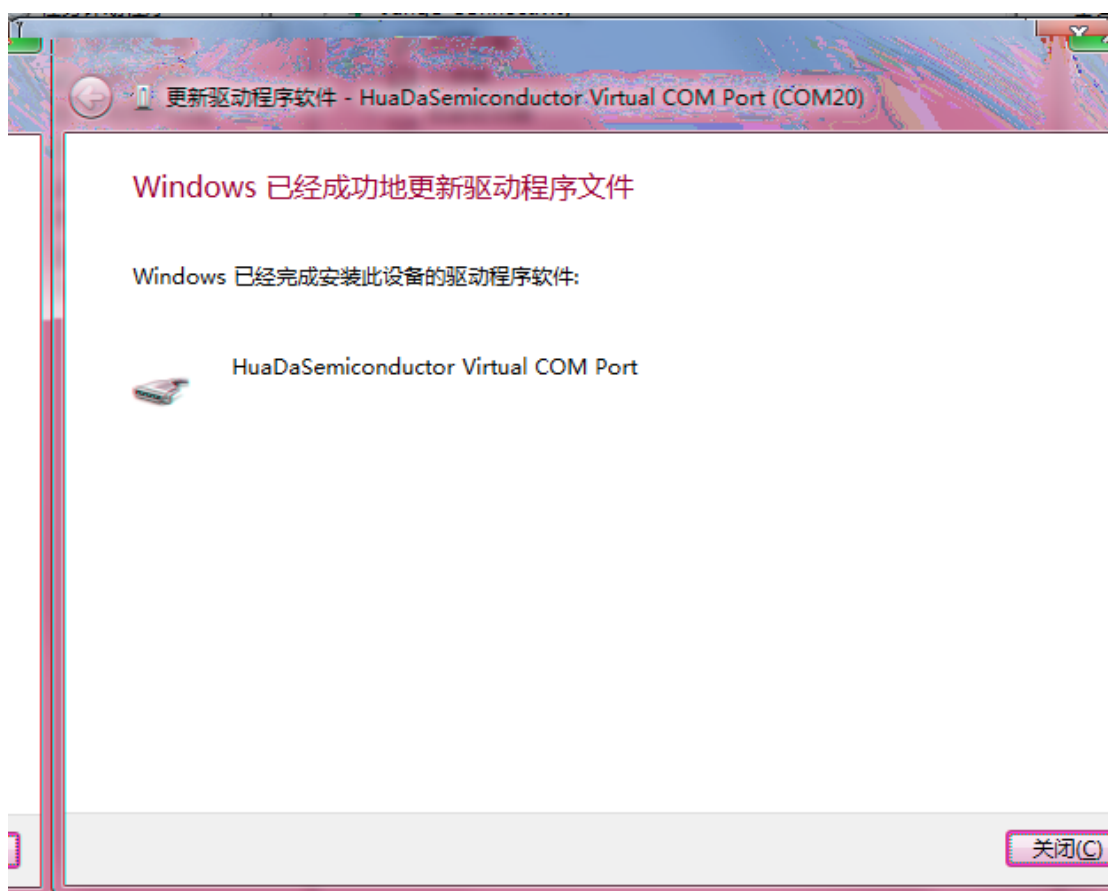












5.2

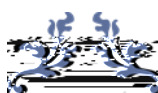
SWD

IO  
SWD



6. &

2018/06/22	Rev1.0	
2019/04/15	Rev1.1	
2020/11/13	Rev2.1	mode boot0 CMSIS DAP MCU Rev2.1



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