



CYG

PNEV5190BP question list

wenxing.zhong@cygia.com

1
Introduction

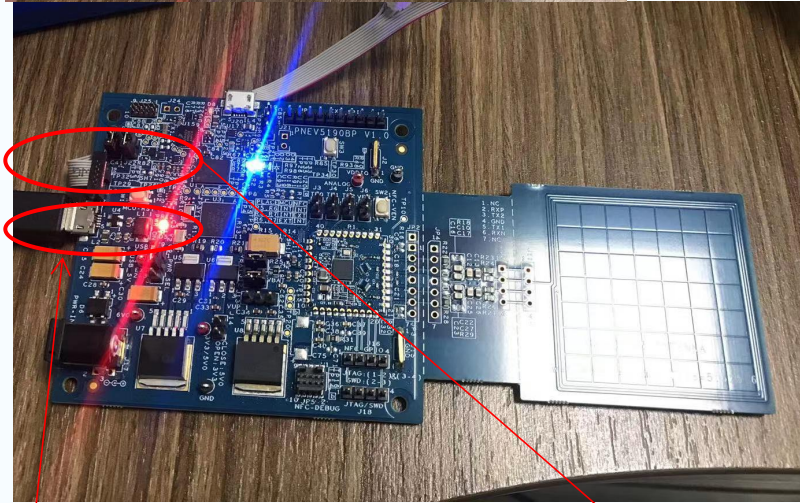
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Introduction

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Introduction

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Introduction

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The demo model is PNEV5190BP build the enviroment

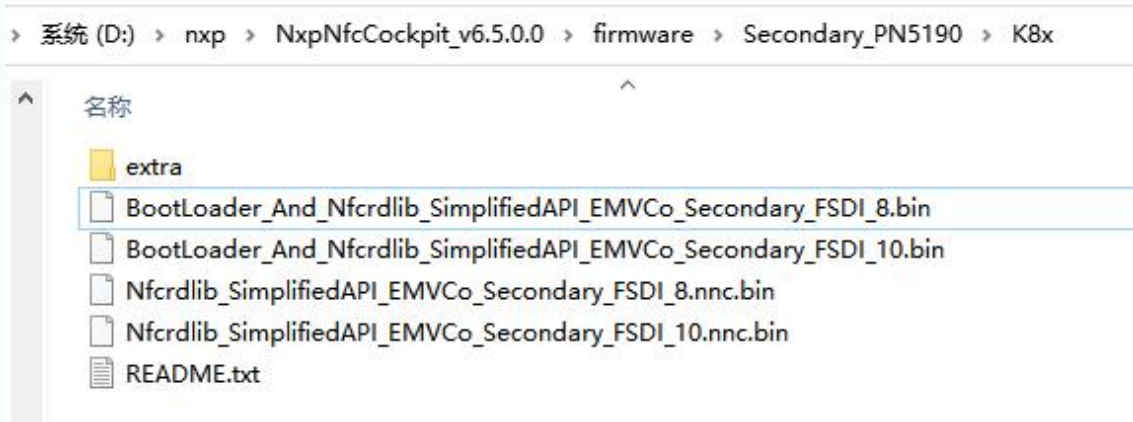


USB转Mirco连接电
脑

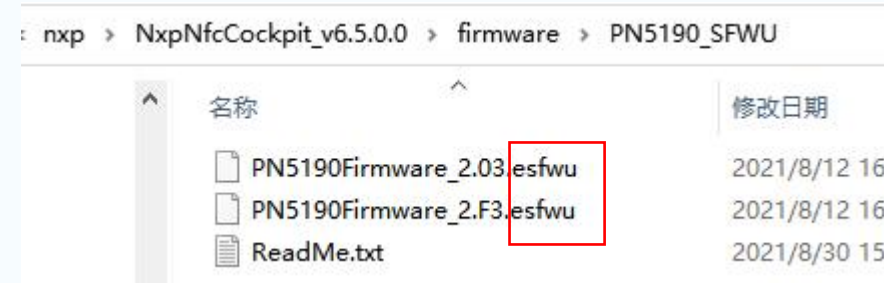
20pin连接J-link 仿真器

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1. After download the FW, neither the FSDI_8.bin or FSDI_10.bin

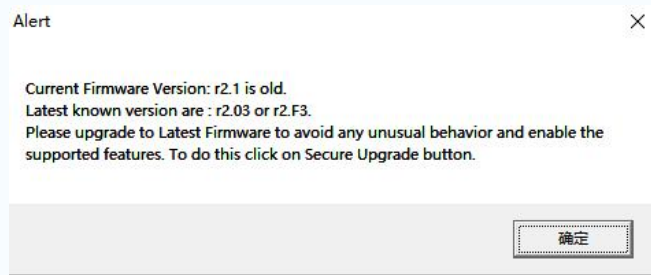


3. I have find the FW of 2.03 or 2.F3, but the file format .esfwu. The SEGGER downloader can not load down the file format of .esfwu, do you have any other suggestion



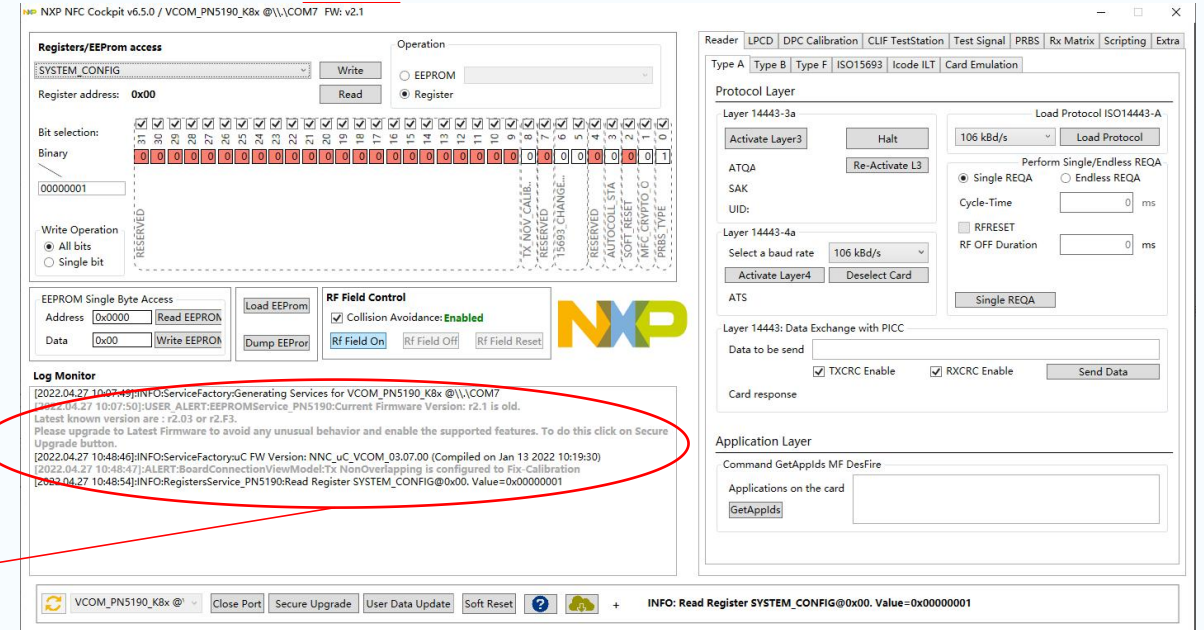
2. When I open the NXP NFC Cockpit v6.5.0.0, the warning popup as follows picture

I want to confirm whether the v2.1 can use or I must update the v2.03 or 2.F3



Log Monitor

```
[2022.04.27 10:07:49]:INFO:ServiceFactory:Generating Services for VCOM_PN5190_K8x @\\.\COM7
[2022.04.27 10:07:50]:USER_ALERT:EEPROMService_PN5190:Current Firmware Version: r2.1 is old.
Latest known version are : r2.03 or r2.F3.
Please upgrade to Latest Firmware to avoid any unusual behavior and enable the supported features. To do this click on Secure
Upgrade button.
[2022.04.27 10:48:46]:INFO:ServiceFactory:uC FW Version: NNC_uC_VCOM_03.07.00 (Compiled on Jan 13 2022 10:19:30)
[2022.04.27 10:48:47]:ALERT:BoardConnectionViewModel:Tx NonOverlapping is configured to Fix-Calibration
[2022.04.27 10:48:54]:INFO:RegistersService_PN5190:Read Register SYSTEM_CONFIG@0x00. Value=0x00000001
```



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4.Can this part of the instruction provide more detailed instructions for the operation of the instruction? For example, I want to use this module to communicate with a mobile phone that supports NFC, so I need to operate those commands to fulfill this requirement

5.The source FW file of the PNEV5190BP can offer ?

The screenshot displays the NXP NFC Cockpit v6.5.0 interface. On the left, the 'Registers/EEProm access' panel is visible, with a list of registers including SYSTEM_CONFIG, EVENT_ENABLE, and CLIF_RX_STATUS. The 'CLIF_RX_STATUS' register is highlighted with a red box. Below the register list, there are 'Write' and 'Read' buttons, and a 'Register' radio button selected under the 'Operation' section. A hex dump of the selected register is shown, with bit fields labeled such as 'TX NOV CALIB', 'RESERVED', 'AUTOCOLL STA', 'SOFT RESET', 'MFC CRYPTO 0', and 'PRBS TYPE'. The 'RF Field Control' section shows 'Collision Avoidance: Enabled' and 'RF Field On' selected. The right panel shows the 'Protocol Layer' settings, including 'Layer 14443-3a' and 'Layer 14443-4a' configurations, and the 'Application Layer' section with a 'GetAppIds' button. The bottom status bar shows 'INFO: Read Register SYSTEM_CONFIG@0x00. Value=0x00000001'.

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6. Mention a problem after use the Secure Upgrade the file pn5190_2.03.esfw and pn5190_2.F3.esfw (figure 1)
 The LED D3 is flashing (figure 2), and I can't connect the Cockpit v6.5.0.0 again (figure 3)
 Is the demo board any problem? How to solve?

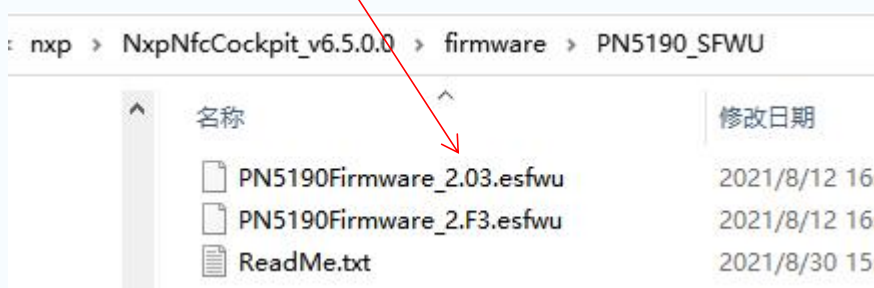
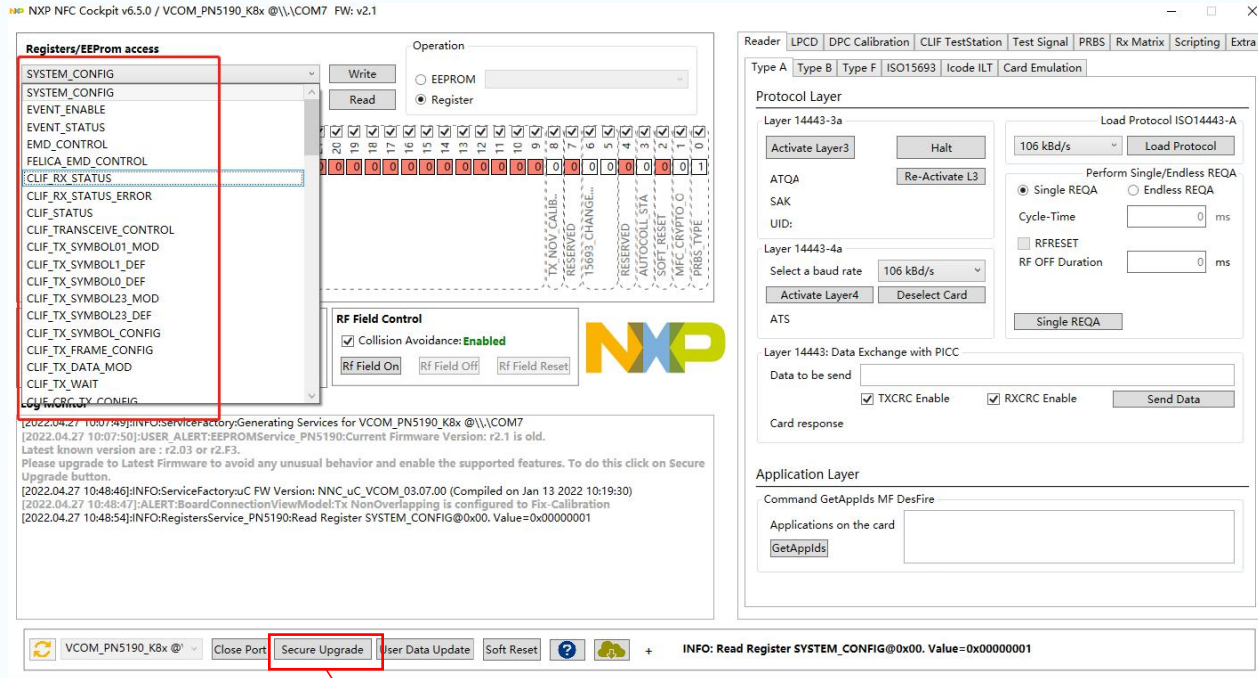


figure 1

D3 is flashing

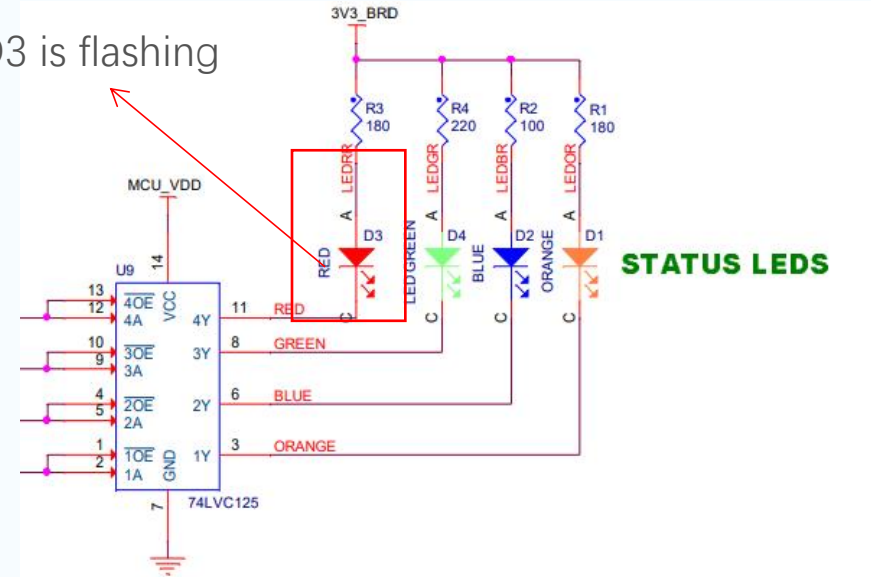


figure 2

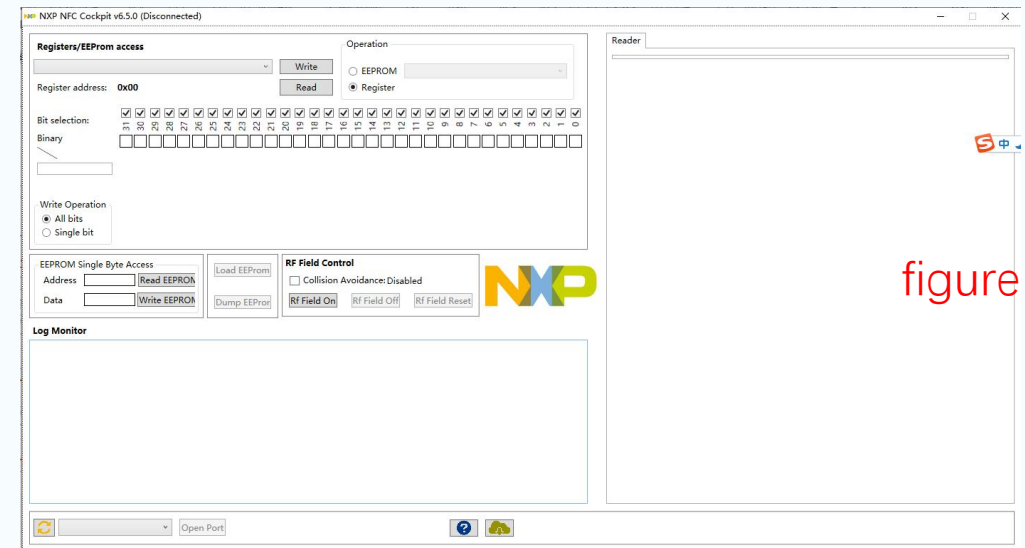


figure 2