APPLICATION NOTE

for

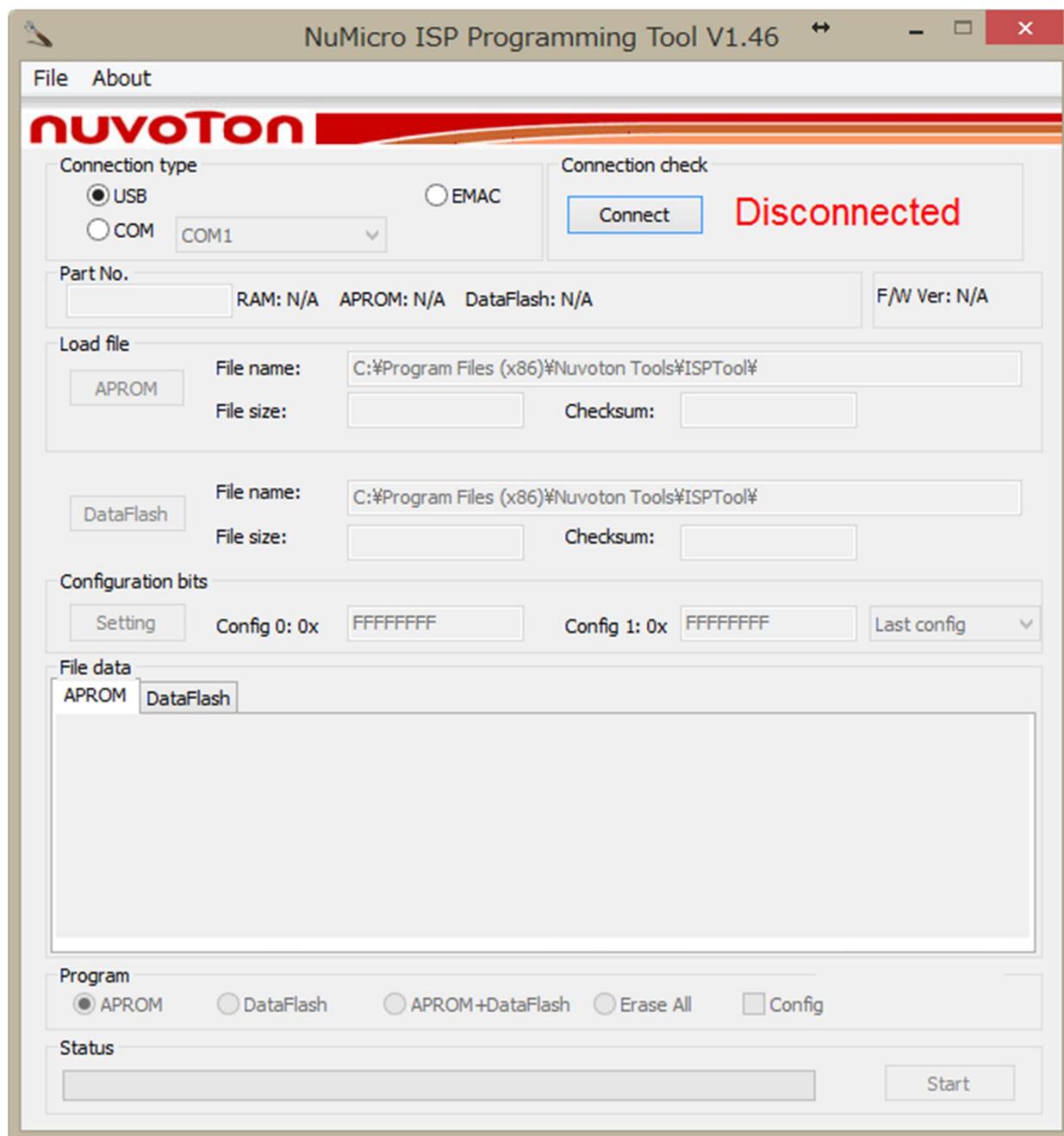# Firmware update to NUC120

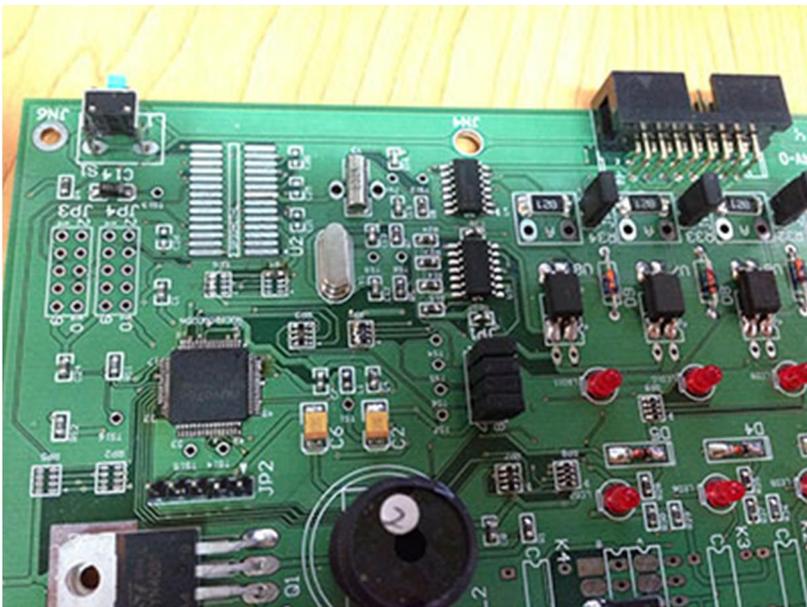11 February 2015

Prepared by:

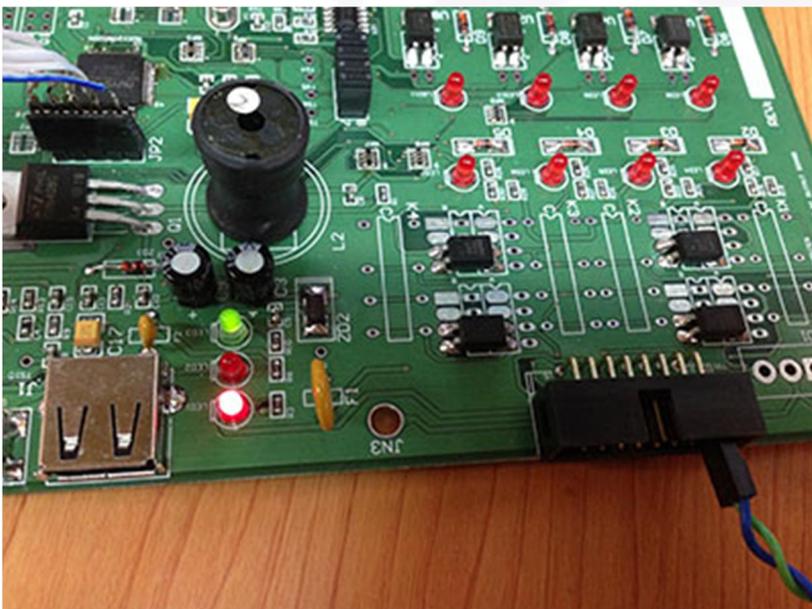**Wilson Chen**

Decision-Computer RD department

Step 1. Install "bootloader software" "Nuvoton NuMicro ICP Programming Tool 1.28 - NUC100 series"
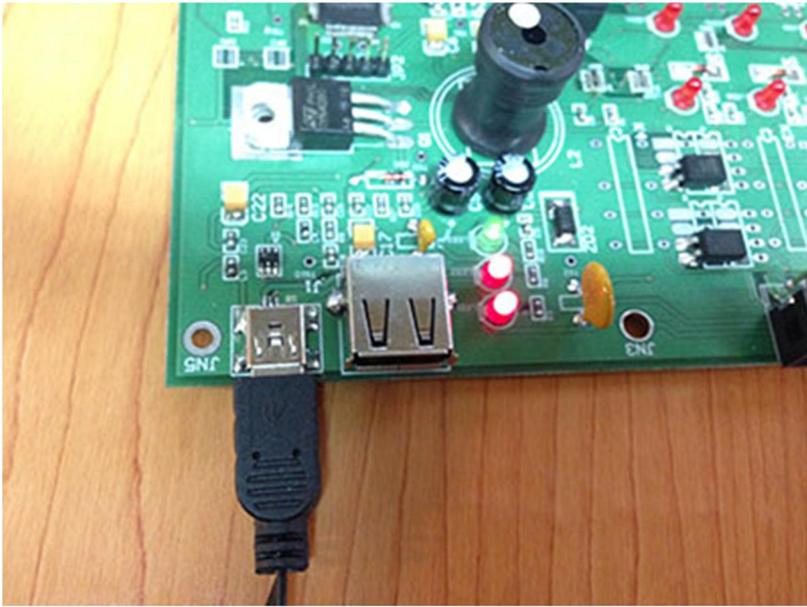
Step 2. Short all the pins of JP1

Step 3. Power on the device

Step 4. Connect the USB cable to host PC

Step 5. Press S1 to reset the device

Step 6. Press the "Connect" button to start a connection to the device.

Step 7. Select the new firmware hex file to download to the APROM.

Load file			
APROM	File name:	D:¥workspace¥firmware¥USB¥src¥nuc120¥NUC100_120BSP_v3.00.001¥NUC10	
	File size:	8856 Bytes	Checksum: 0x16F3

Step 8. Leave DataFlash unchanged.

DataFlash	File name:	C:¥Program Files (x86)¥Nuvoton Tools¥ISPTool¥	
	File size:		Checksum:

Step 9. Leave Configuration bits unchanged.

Configuration bits				
Setting	Config 0: 0x	FFFFFF7F	Config 1: 0x	0001F000	On-chip config ∨

Step 10. In the "Program" section, only check "APROM".

Program
◉ APROM   ○ DataFlash   ○ APROM+DataFlash   ○ Erase All   ☐ Config

Step 11. Press "Start" to start downloading new firmware to the target device.

Status
[   ]   Start