孕龍科技股份有限公司
Zeroplus Technology Co., Ltd.

SPECIFICATION

MODEL: B09009-LAP-WIEGAND-M

PART NO： _____

VERSION： V1.01

Approver		Check	Design
GM	PM		

Customer Confirm

＊Please fax the file to Zeroplus Technology after signing.

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Content

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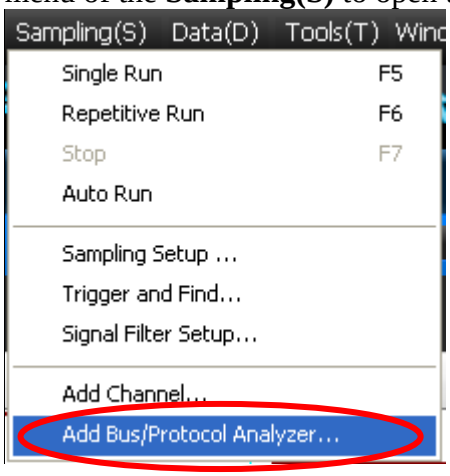
1 Software Register

Please register the software as the following steps:

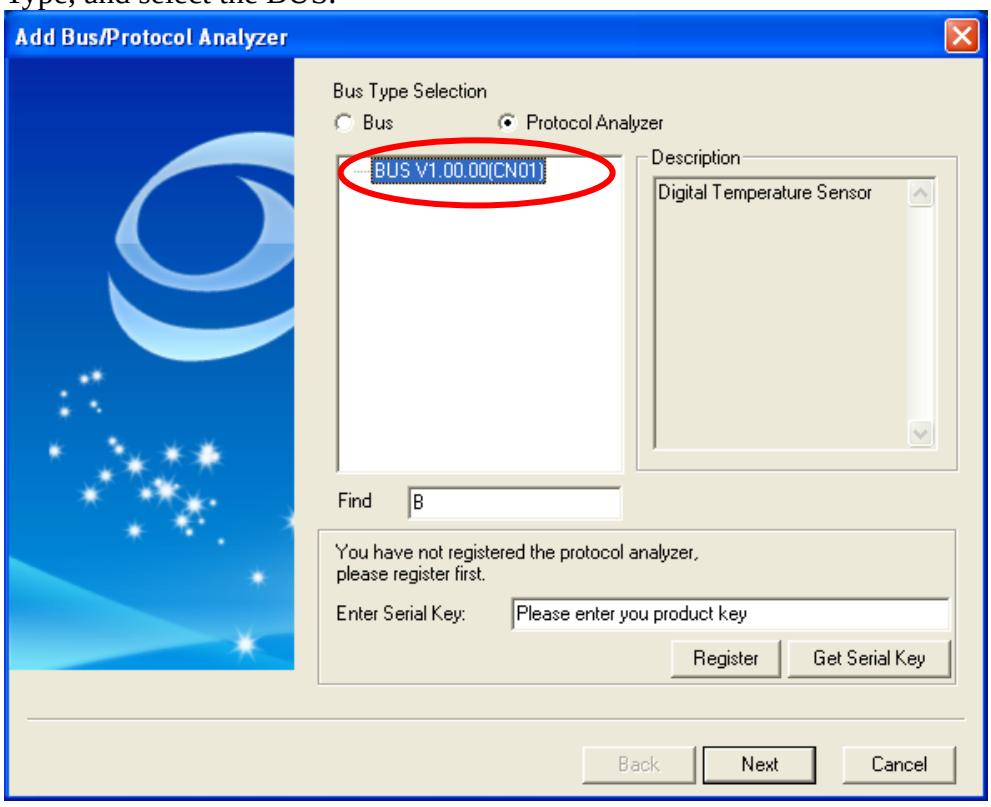
※ Remark1: The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ Remark2: We won't have additional notice for you, when there is any modification of the module specification. If there is some unconformity caused by the module version upgrade, users should take the module software as the standard.

STEP 1. Open the Logic Analyzer and select the **Add Bus/Protocol Analyzer** item on the pull-down menu of the **Sampling(S)** to open the **Add Bus/Protocol Analyzer** dialog box.



STEP 2. Select Protocol Analyzer item in the Add Bus/Protocol Analyzer dialog box, expand the Other Type, and select the BUS.



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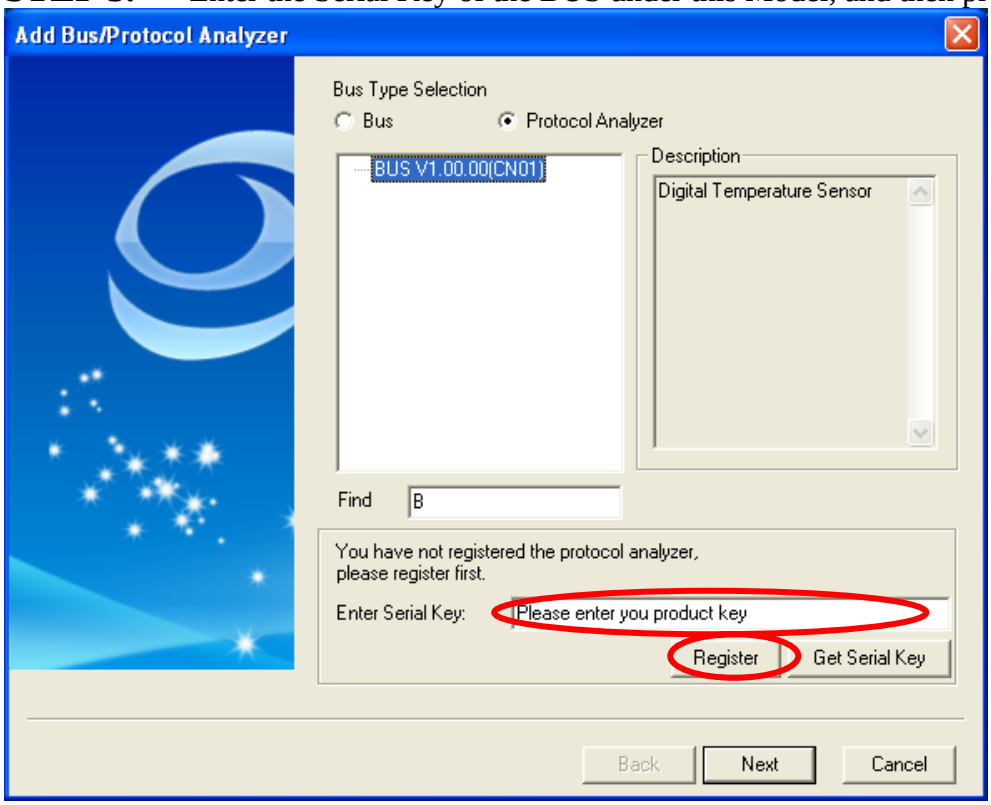
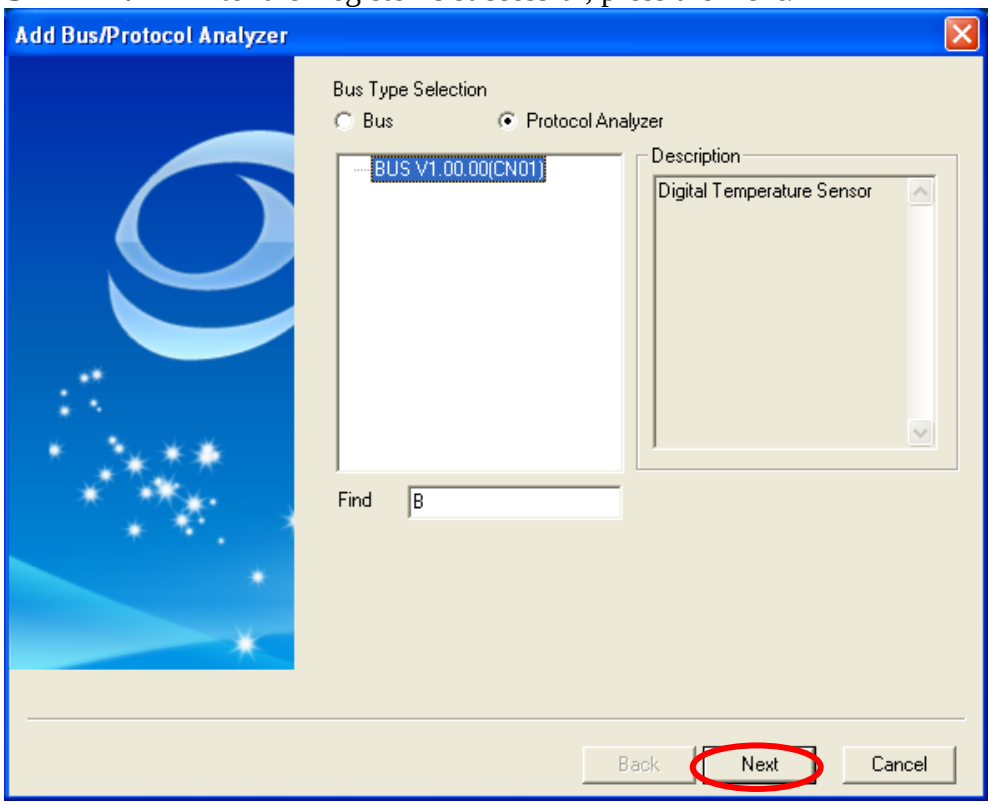
STEP 3. Enter the Serial Key of the BUS under this Model, and then press the **Register**.



STEP 4. After the Register is successful, press the **Next**.



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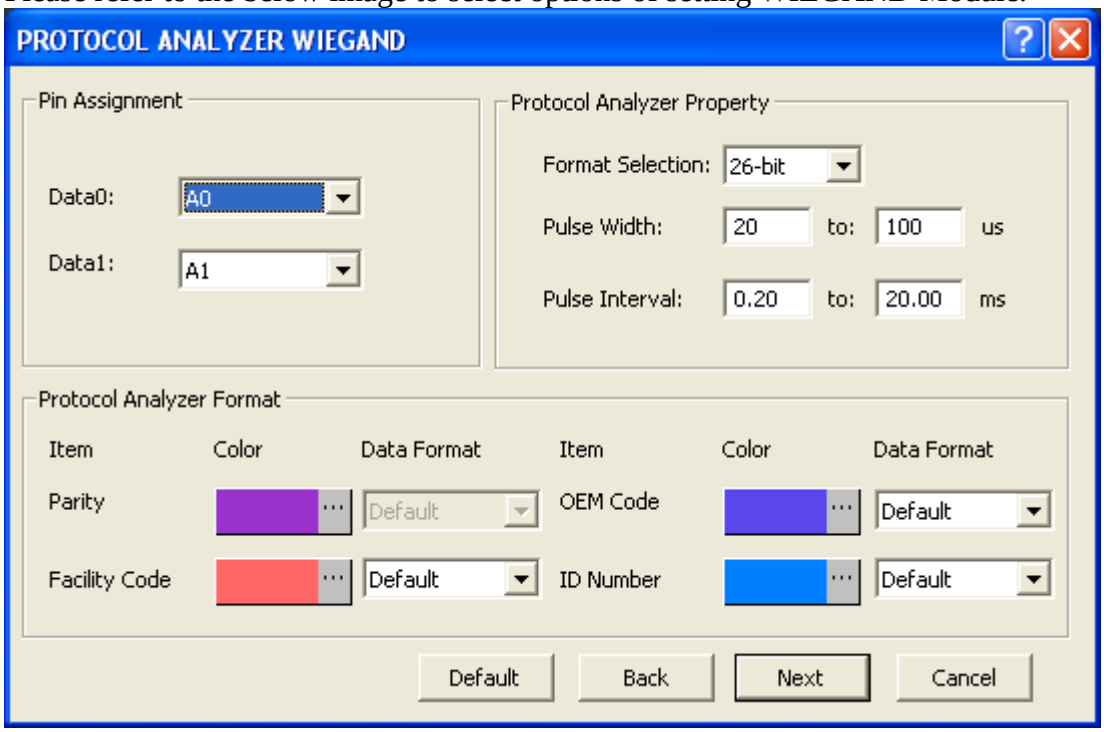
2 User Interface

Please refer to the below image to select options of setting WIEGAND Module.



Pin Assignment:
Data0: It is the output channel of Data0.
Data1: It is the output channel of Data1.

Protocol Analyzer Property:
Format Selection: There are three options, 26-bit, 39-bit and 44-bit.
Pulse Width: Set the time width for the generated negative pulse; when inputting the value, the min. value can be set as 1us and the max. value can be set as 20000us, and the min. value should be less than the max. value. The default value is from 20us to 100us.
Pulse Interval: Set the time interval for each adjacent negative pulse; when inputting the value, the min. value can be set as 0.20ms and the max. value can be set as 250.00ms, and the min. value should be less than the max. value. The default value is from 0.20ms to 20.00ms.

Protocol Analyzer Format: The color of packets can be varied by users. The Items (OEM Code, Facility Code, ID Number) can be set as Binary, Decimal, Hexadecimal, ASCII or Default. And the Data Format of the Items (OEM Code, Facility Code, ID Number) in the Waveform Display Area and Packet List is controlled by the Protocol Analyzer. The default Data Format is controlled by the main program and the Data Format of the Item is the Default. Protocol

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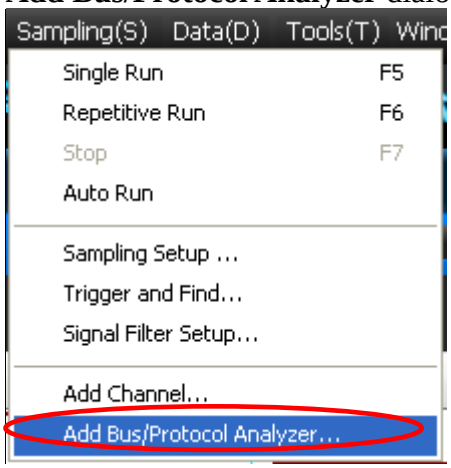
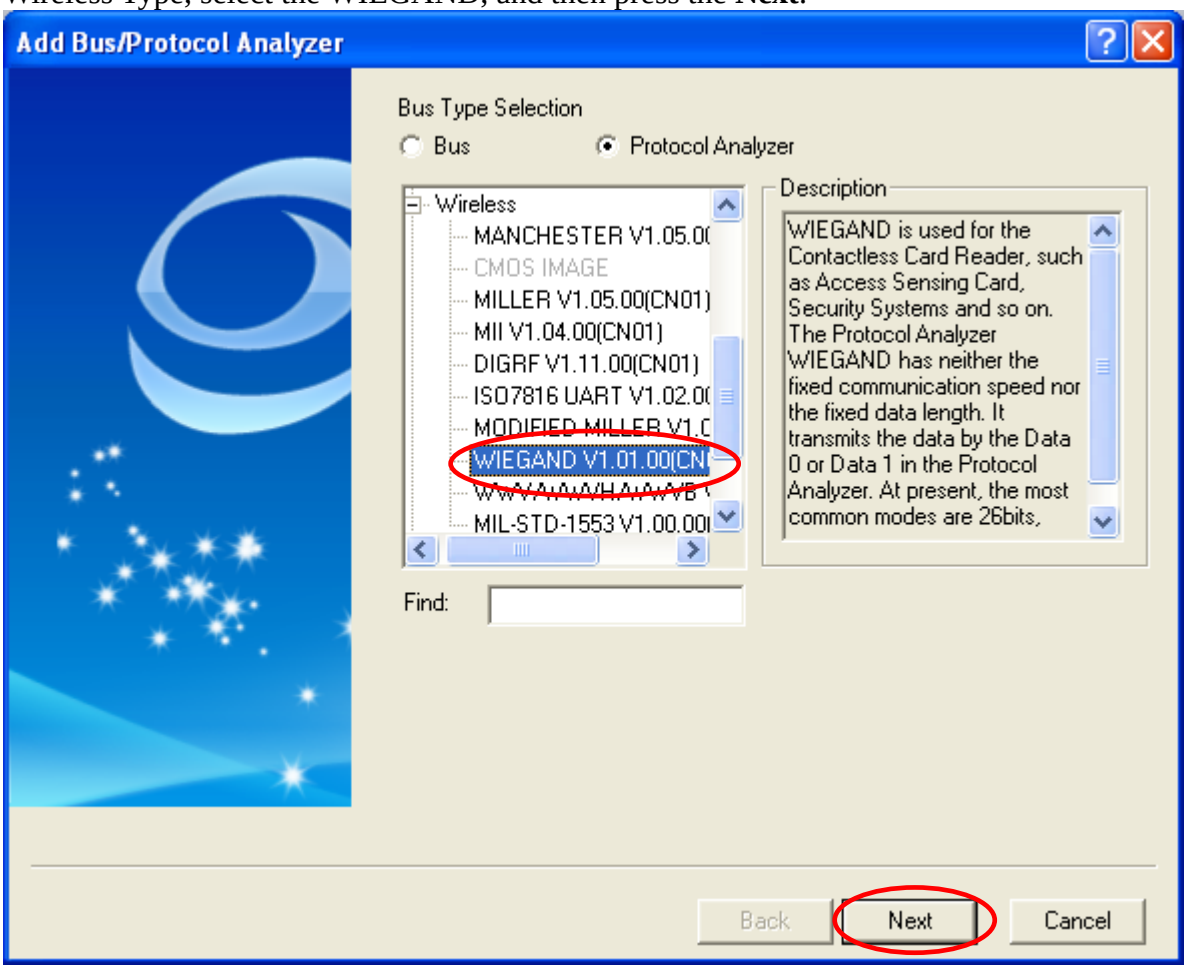
3. Operating Instructions

STEP 1. Select the **Add Bus/Protocol Analyzer** item on the pull-down menu of the **Sampling(S)** to open the **Add Bus/Protocol Analyzer** dialog box.



STEP 2. Select the Protocol Analyzer item in the Add Bus/Protocol Analyzer dialog box, expand the Wireless Type, select the WIEGAND, and then press the **Next**.



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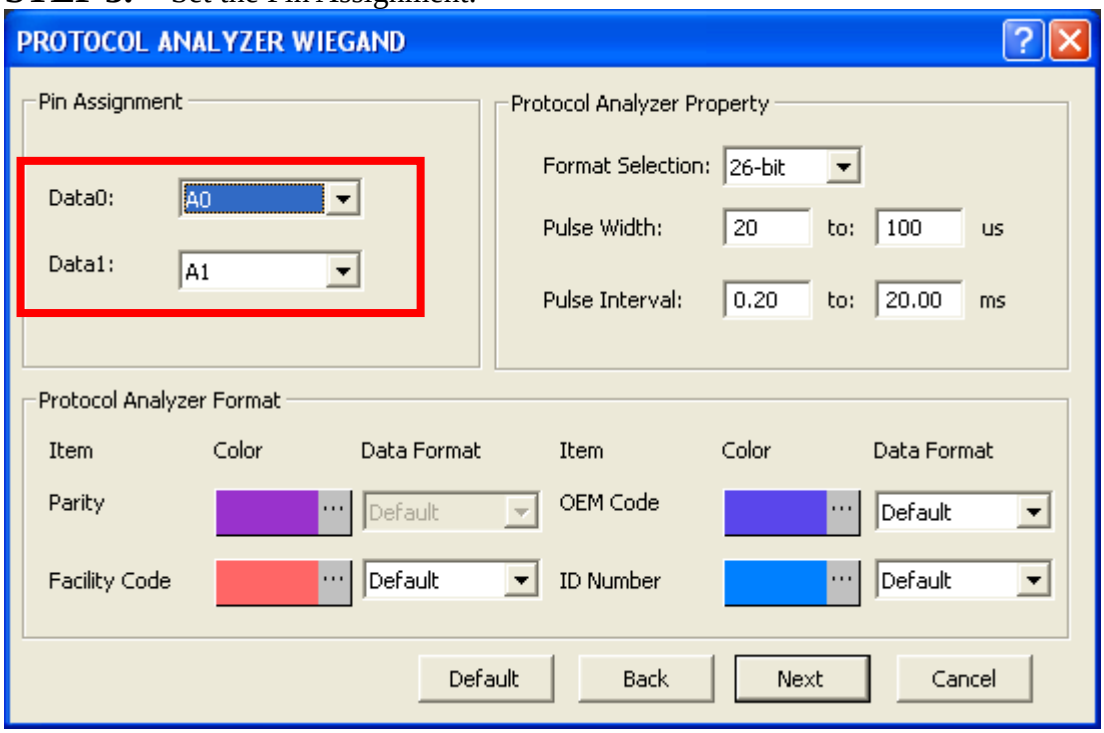
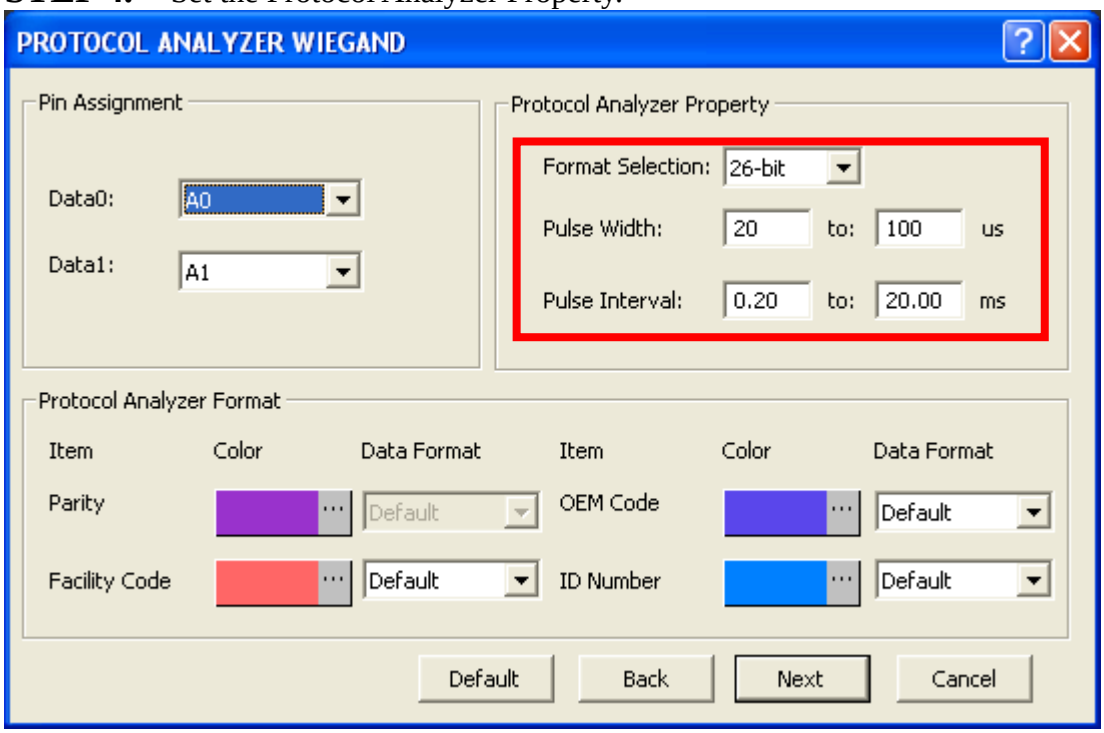
STEP 3. Set the Pin Assignment.



STEP 4. Set the Protocol Analyzer Property.



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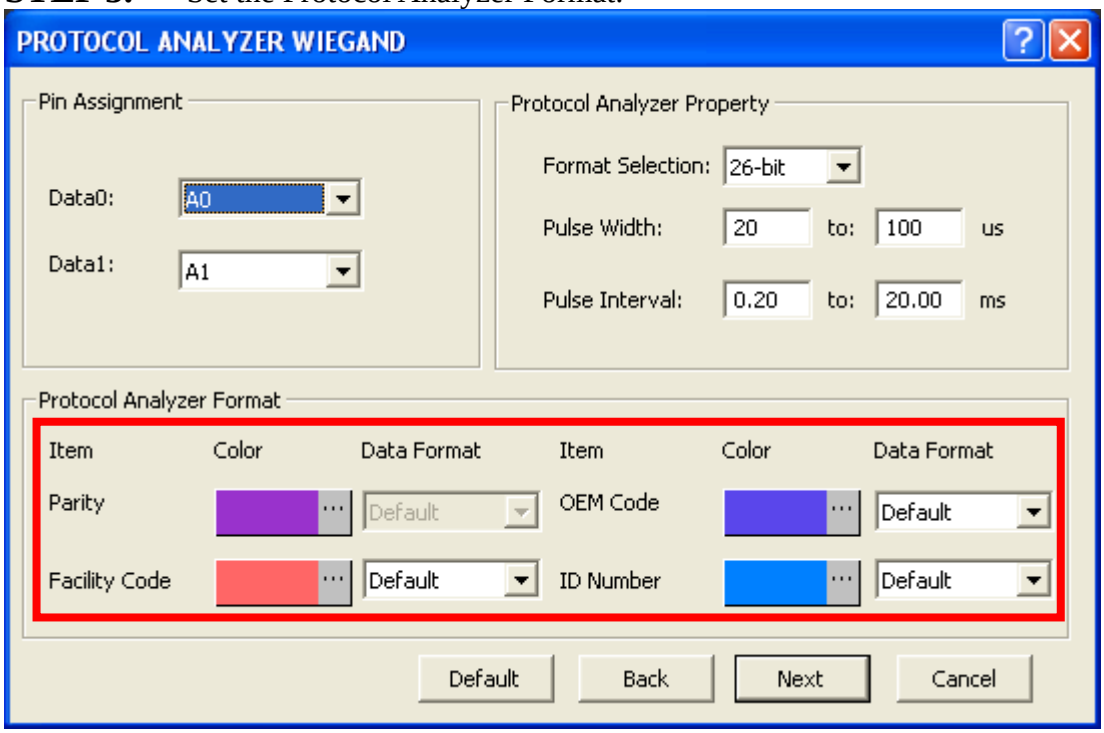
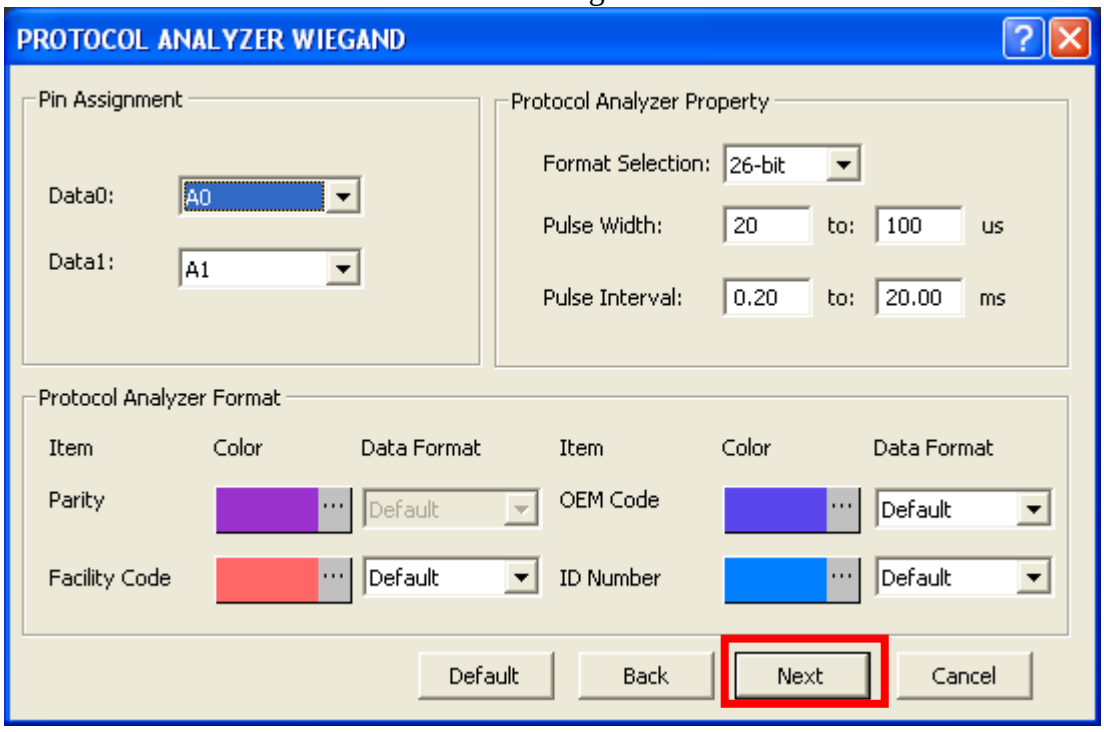
STEP 5. Set the Protocol Analyzer Format.



STEP 6. Press the **Next** to finish all settings.



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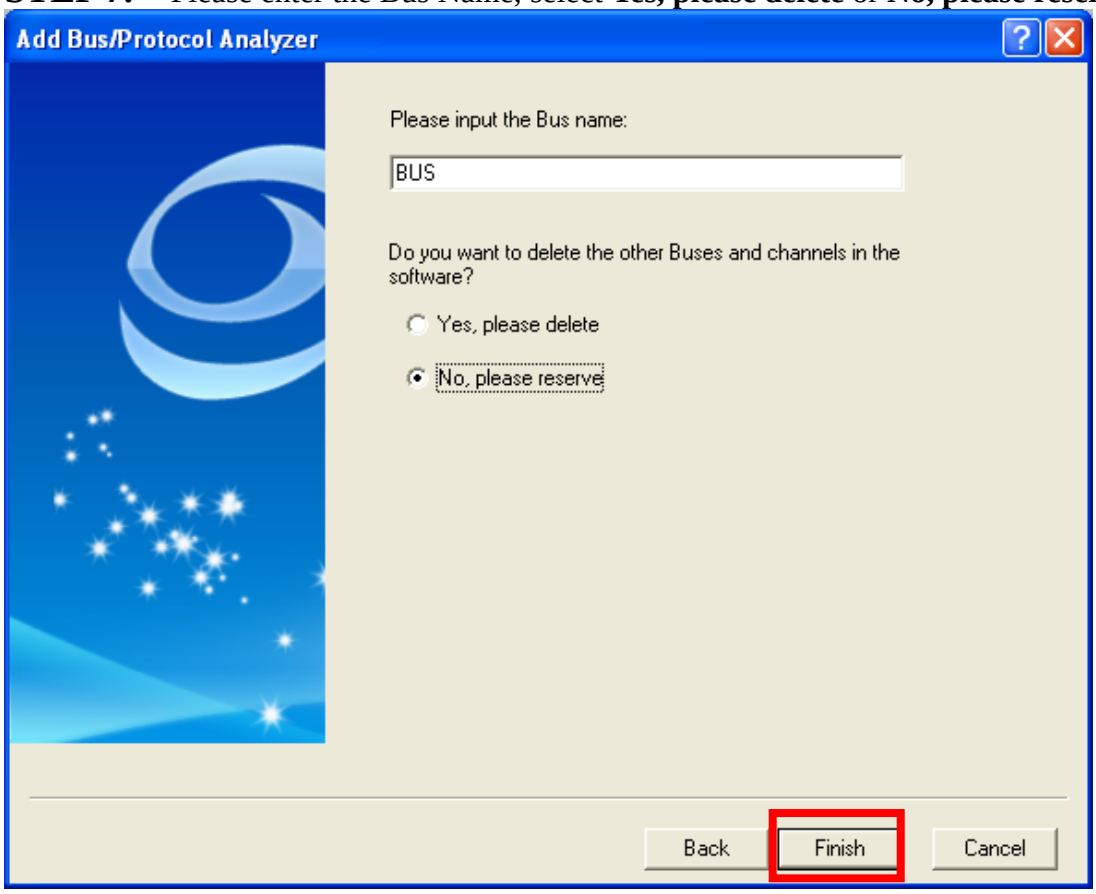
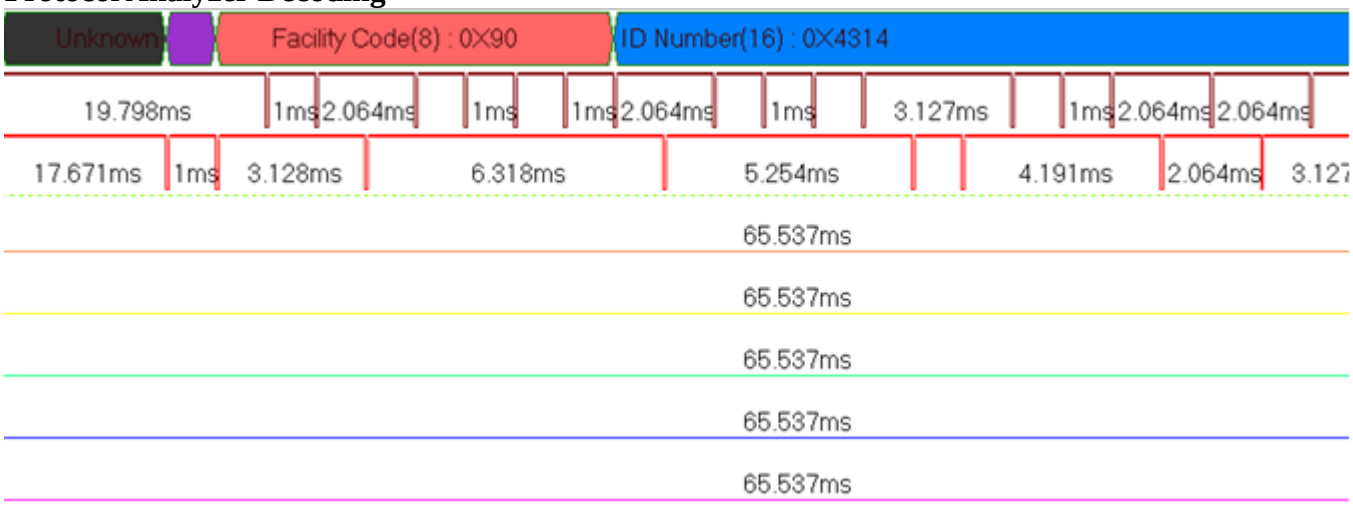
STEP 7. Please enter the Bus Name, select **Yes, please delete** or **No, please reserve** and then press **Finish**.



STEP 8. Following pictures show the completion of the protocol analyzer decoding and packet list. The trigger condition is set as Either Edge; the memory depth is 128K; the sampling frequency is 1MHz. (the sampling frequency should be more than 10 times higher than the signal to be tested.)

Protocol Analyzer Decoding



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Packet List