



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

SPECIFICATION

MODEL: B08012-LAP-PECI-M

PART NO: _____

VERSION: V1.13

Approver		Check	Design
GM	PM		

Customer Confirm

*Please fax the file to Zeroplus Technology after signing.

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Revision History

Revision NO.	History	Page No.	Date	Reviser
V1.11	First Version	2~17	2010-11-11	Sunshine
V1.12	Available in ZPP store	2-11	2013-07-16	Anderson
V1.13	Support decoding Peci 3.0 packet command format.	2-11	2013-07-16	Anderson



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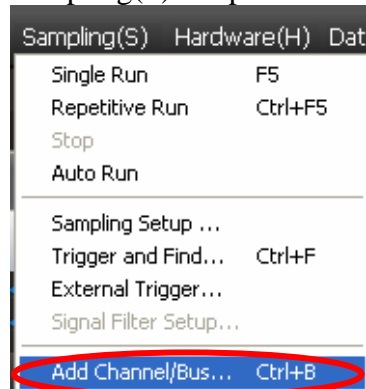
1 Software Register

Please register the software as the following steps:

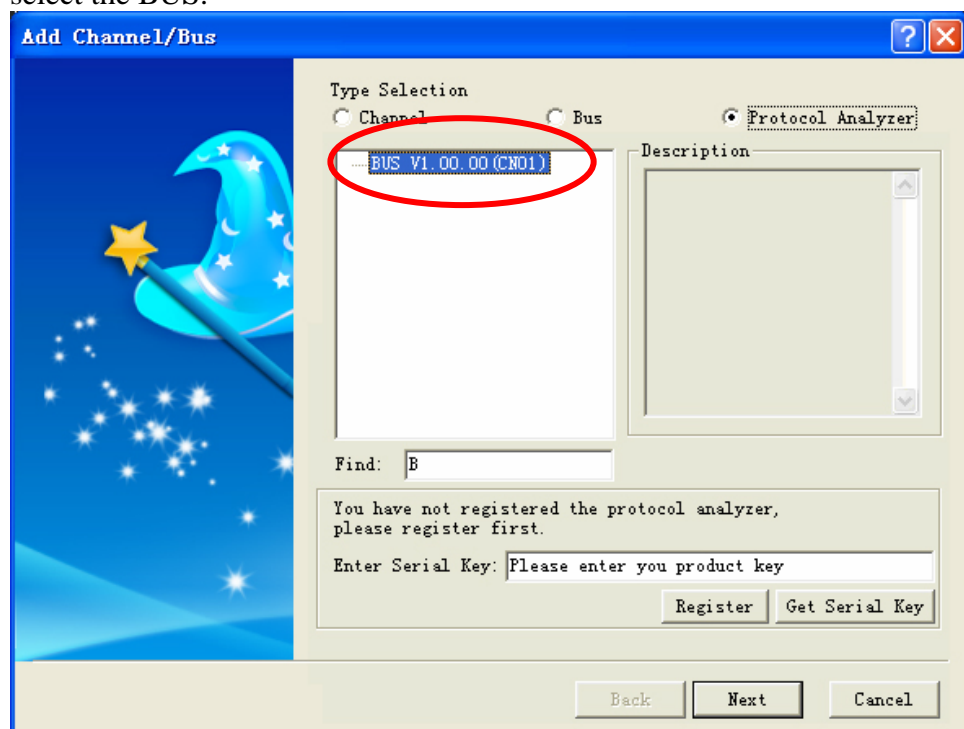
※ Remark1: The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ 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 Channel/Bus item on the pull-down menu of the Sampling(S) to open the Add Channel/Bus dialog box.

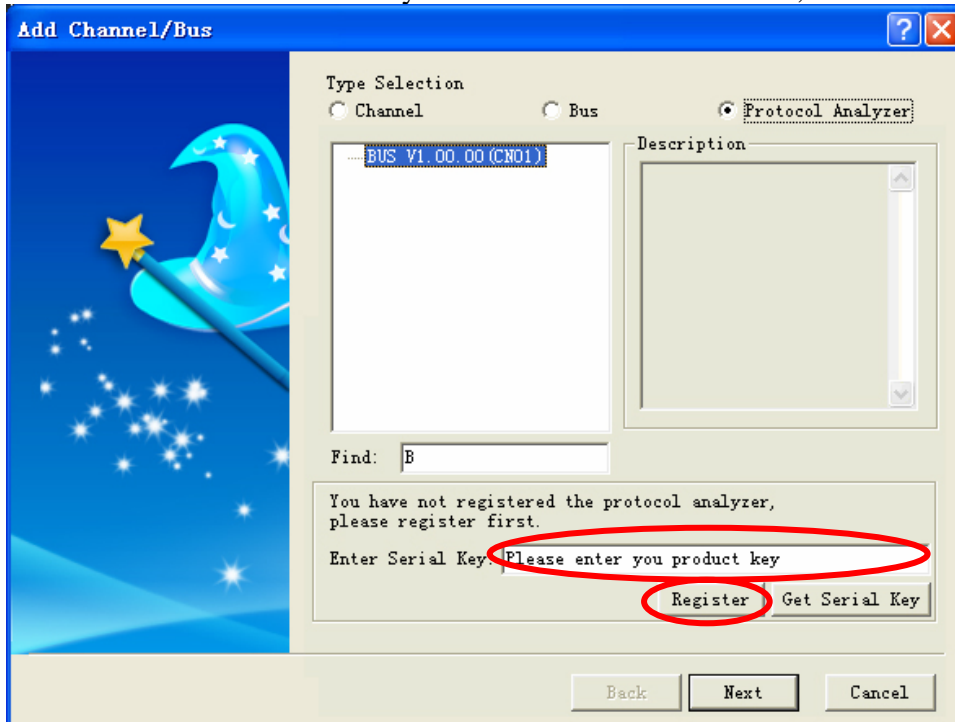


STEP 2. Select Protocol Analyzer item in the Add Channel/Bus dialog box, expand the Other type, and select the BUS.

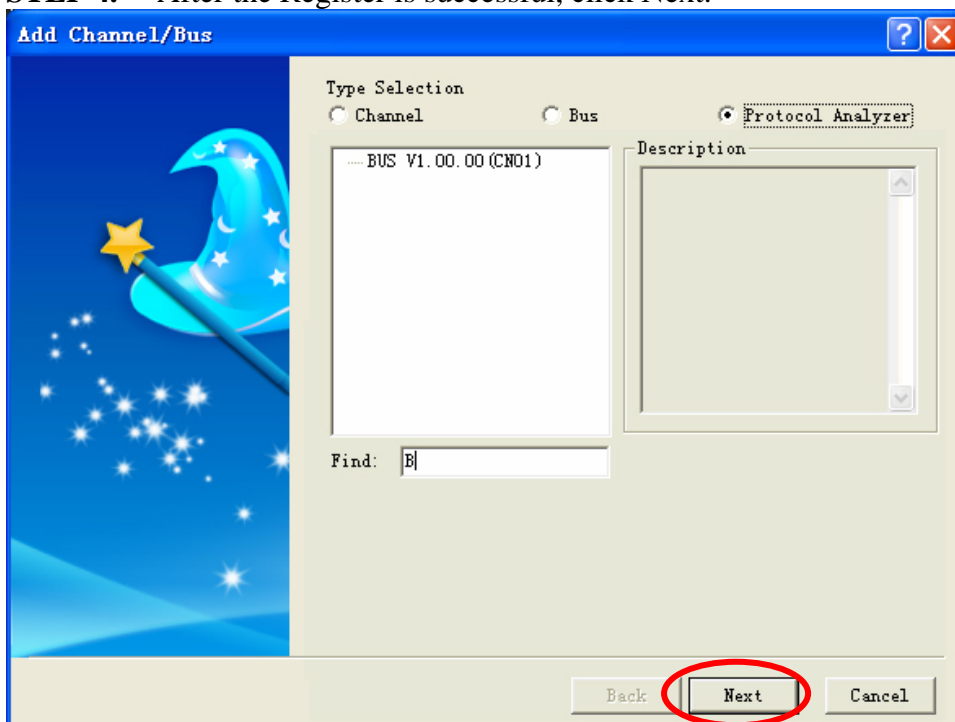




STEP 3. Enter the Serial Key of the BUS under this Model, and then click the Register.



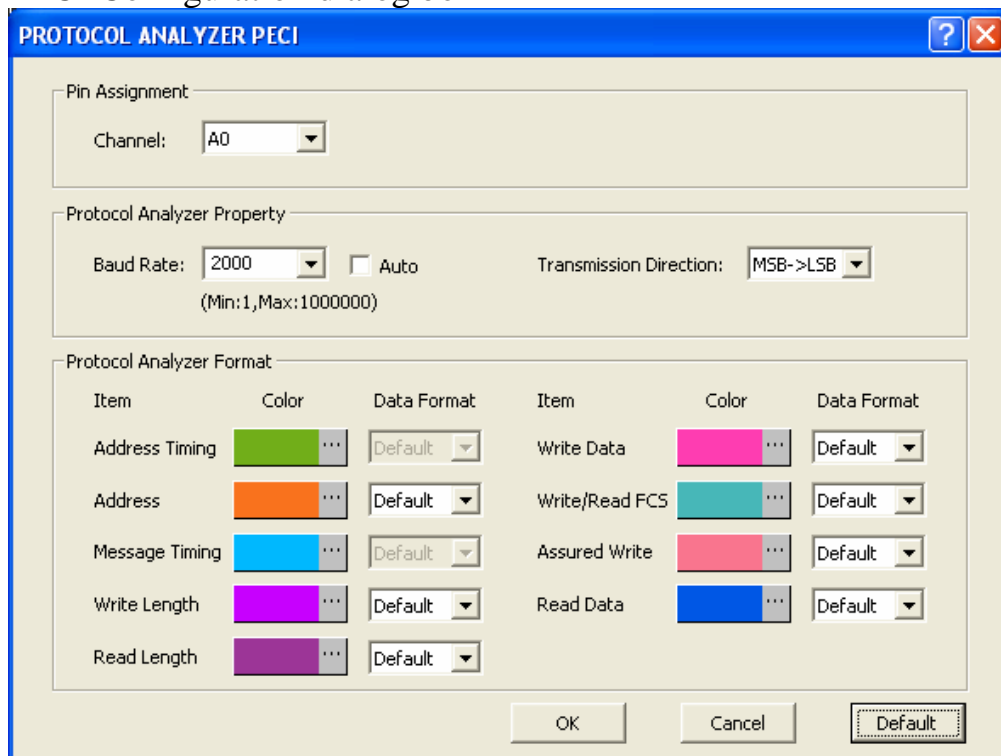
STEP 4. After the Register is successful, click Next.



2 User Interface

In the configuration, please refer to below images to select options of the **PECI** module.

PECI Configuration dialog box



Item	Color	Data Format	Item	Color	Data Format
Address Timing	Green	Default	Write Data	Pink	Default
Address	Orange	Default	Write/Read FCS	Teal	Default
Message Timing	Cyan	Default	Assured Write	Red	Default
Write Length	Magenta	Default	Read Data	Blue	Default
Read Length	Purple	Default			

Pin Assignment:

Channel: It is used to transmit the ADDRESS and the DATA; the default channel is A0.

Protocol Analyzer Property:

Baud Rate: Users can enter the baud rate in the range of 1bps to 10Mbps or select a value from the dropdown menu as their requirements. At the same time, when the option, **Auto**, is activated, the baud rate can be calculated and displayed by the main program automatically.

Transmission Direction: Users can set the transmission direction as their requirements; the options are MSB->LSB and LSB->MSB.

Protocol Analyzer Format:

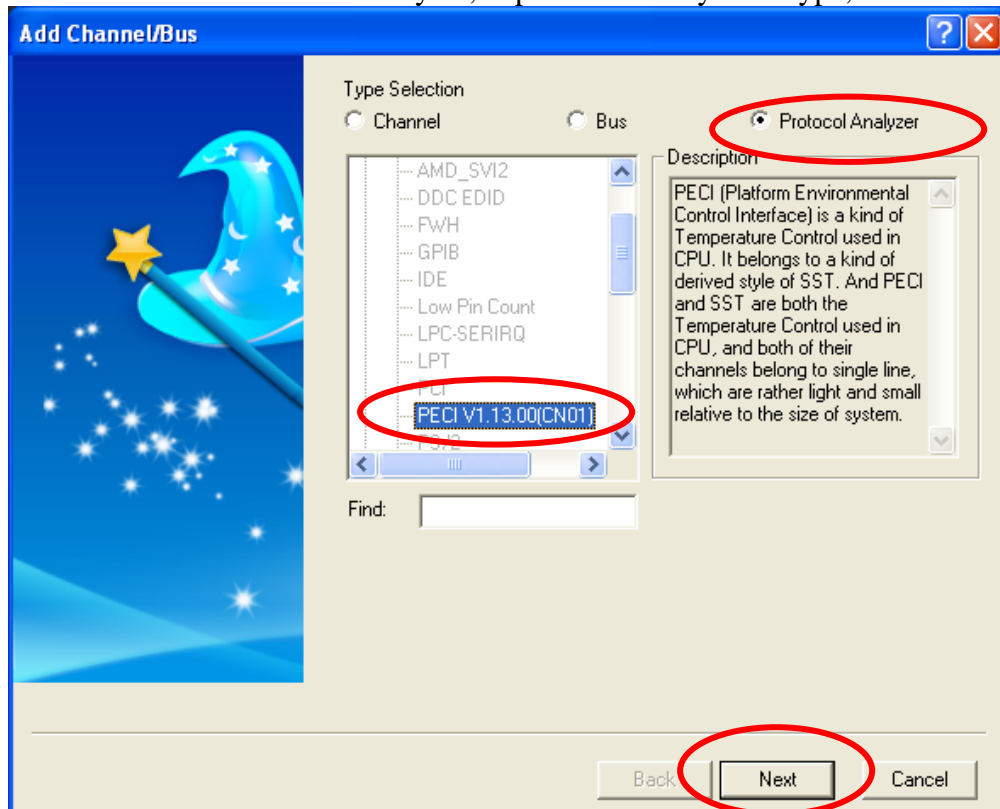
The color of each item can be varied by users' requirements. The items (Address, Write Length, Read Length, Write Data, Write/Read FCS, Assured Write and Read Data) can be set as Binary, Decimal, Hexadecimal, ASCII or Default. And the data formats of these Items in the Waveform Display Area and Packet List are controlled by the Protocol Analyzer. The default data formats are controlled by the main program and the data formats of these items are Default.

3 Operating Instructions

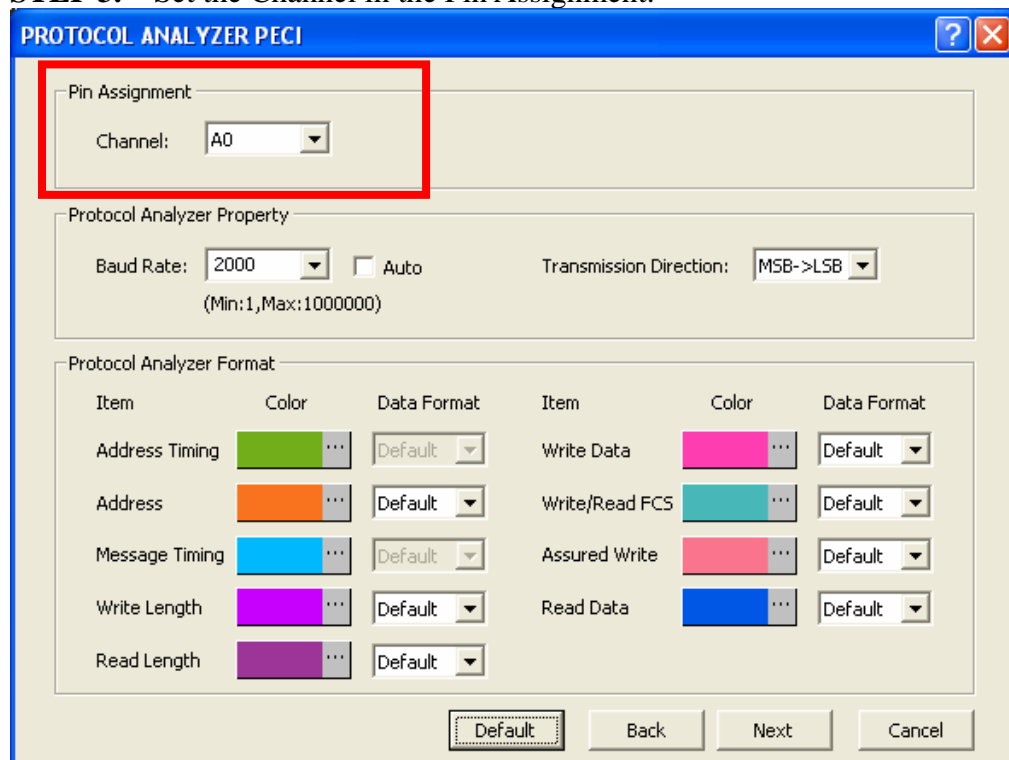
STEP 1. Select 'Add Channel/Bus' on the pull-down menu of the Sampling(S) to open the Add Channel/Bus dialog box.



STEP 2. Select Protocol Analyzer, expand the PC System Type, select the PECE and then click 'Next'.



STEP 3. Set the Channel in the Pin Assignment.



PROTOCOL ANALYZER Peci

Pin Assignment

Channel: A0

Protocol Analyzer Property

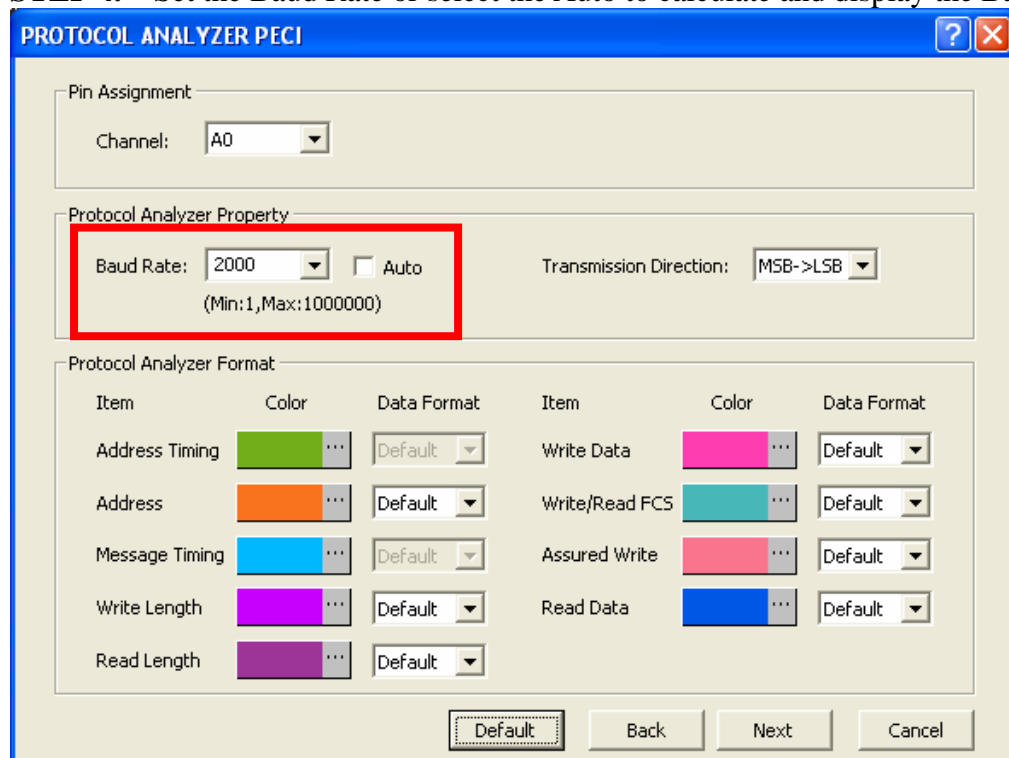
Baud Rate: 2000 ☐ Auto (Min:1,Max:1000000) Transmission Direction: MSB->LSB

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Address Timing		Default	Write Data		Default
Address		Default	Write/Read FCS		Default
Message Timing		Default	Assured Write		Default
Write Length		Default	Read Data		Default
Read Length		Default			

Default Back Next Cancel

STEP 4. Set the Baud Rate or select the Auto to calculate and display the Baud Rate automatically.



PROTOCOL ANALYZER Peci

Pin Assignment

Channel: A0

Protocol Analyzer Property

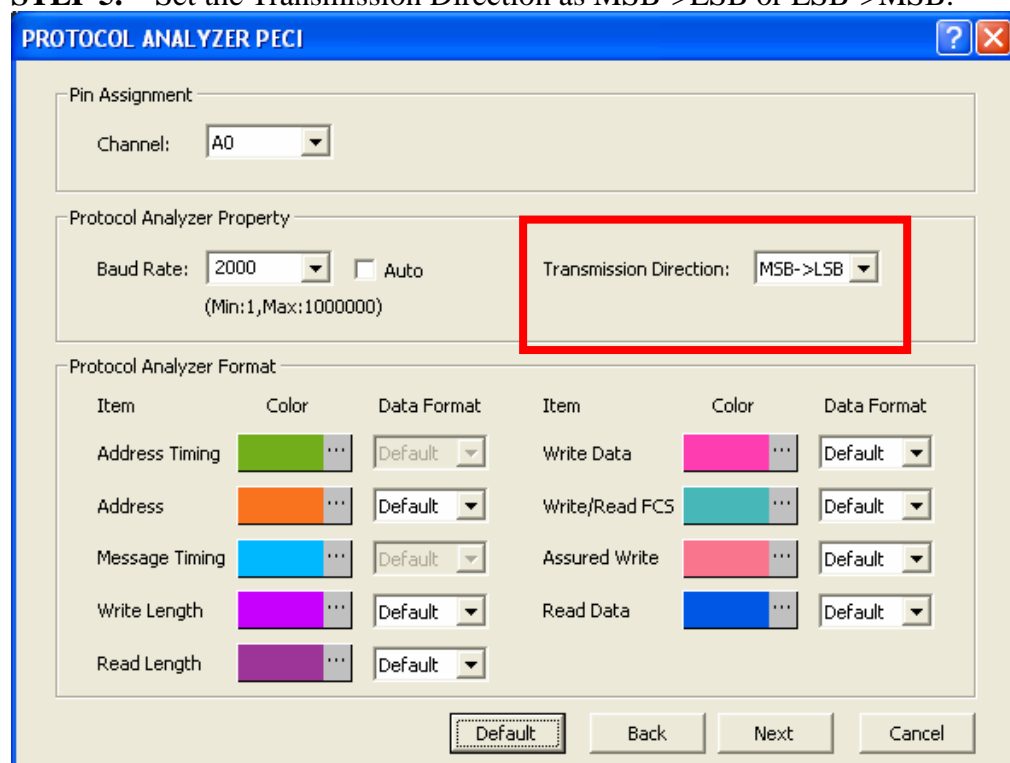
Baud Rate: 2000 ☐ Auto (Min:1,Max:1000000) Transmission Direction: MSB->LSB

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Address Timing		Default	Write Data		Default
Address		Default	Write/Read FCS		Default
Message Timing		Default	Assured Write		Default
Write Length		Default	Read Data		Default
Read Length		Default			

Default Back Next Cancel

STEP 5. Set the Transmission Direction as MSB->LSB or LSB->MSB.



PROTOCOL ANALYZER PECI

Pin Assignment
Channel: A0

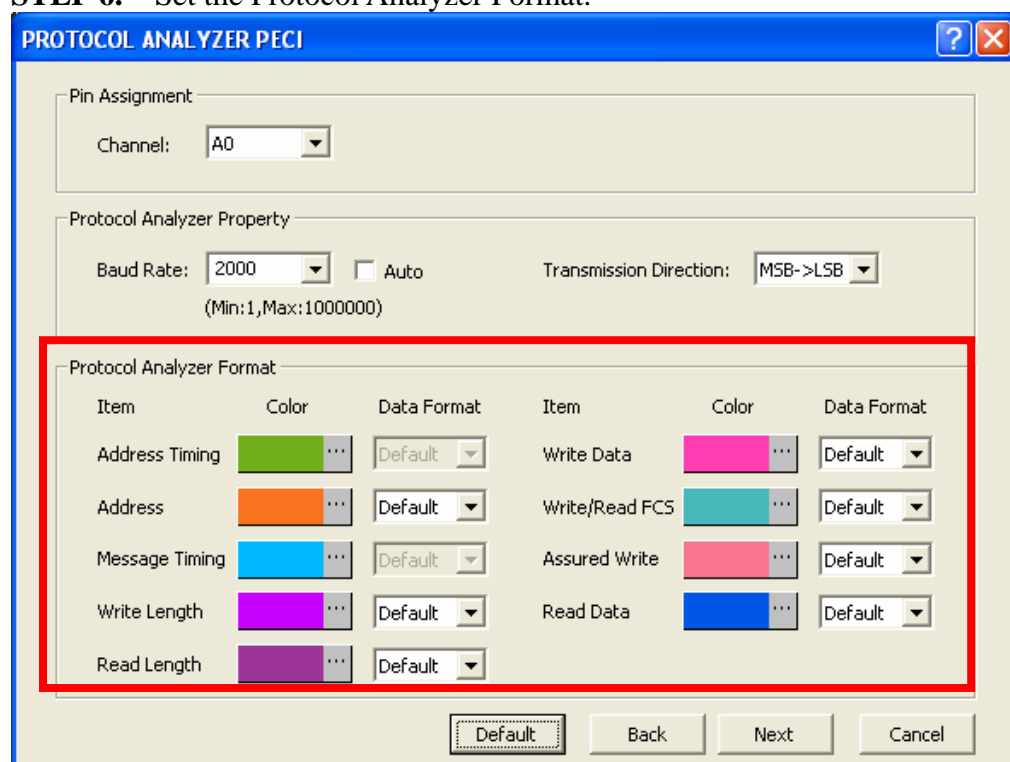
Protocol Analyzer Property
Baud Rate: 2000 ☐ Auto
(Min:1,Max:1000000) **Transmission Direction: MSB->LSB**

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Address Timing		Default	Write Data		Default
Address		Default	Write/Read FCS		Default
Message Timing		Default	Assured Write		Default
Write Length		Default	Read Data		Default
Read Length		Default			

Default Back Next Cancel

STEP 6. Set the Protocol Analyzer Format.



PROTOCOL ANALYZER PECI

Pin Assignment
Channel: A0

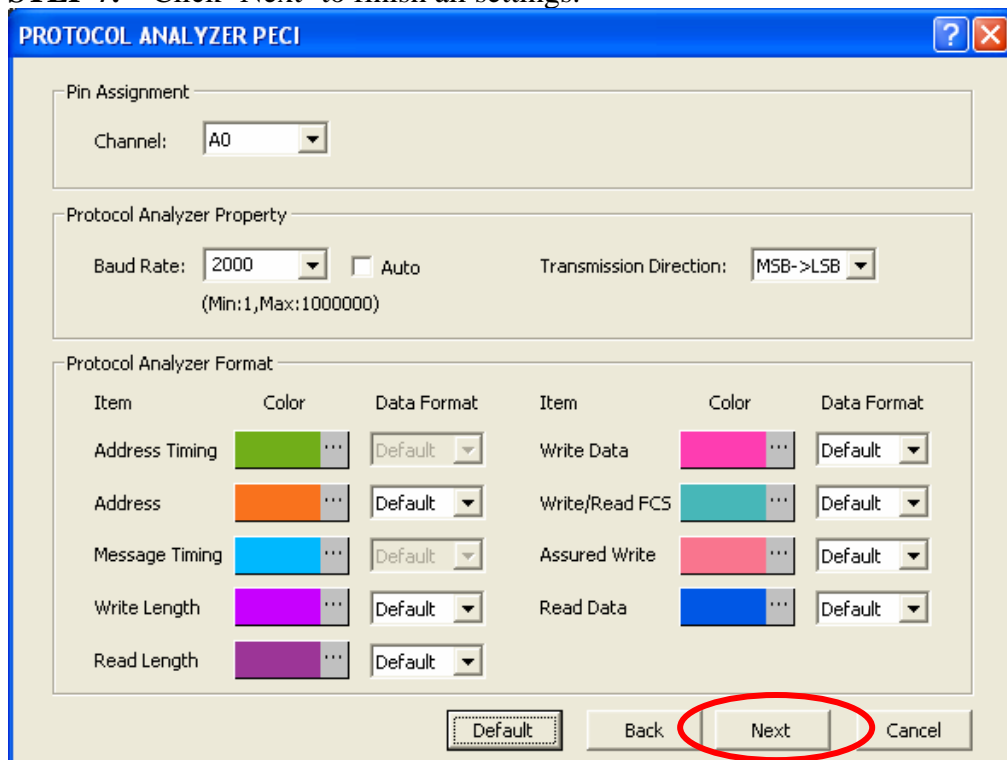
Protocol Analyzer Property
Baud Rate: 2000 ☐ Auto
(Min:1,Max:1000000) Transmission Direction: MSB->LSB

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Address Timing		Default	Write Data		Default
Address		Default	Write/Read FCS		Default
Message Timing		Default	Assured Write		Default
Write Length		Default	Read Data		Default
Read Length		Default			

Default Back Next Cancel

STEP 7. Click 'Next' to finish all settings.



PROTOCOL ANALYZER PCSI

Pin Assignment
Channel: A0

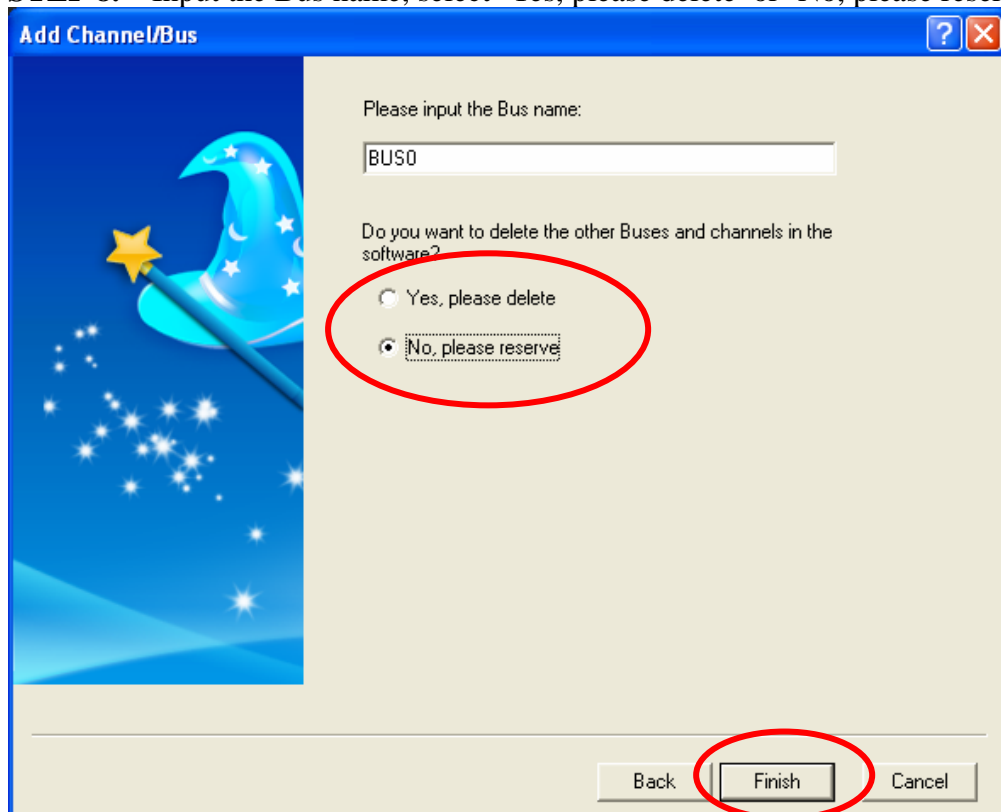
Protocol Analyzer Property
Baud Rate: 2000 (Min:1,Max:1000000) ☐ Auto
Transmission Direction: MSB->LSB

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Address Timing		Default	Write Data		Default
Address		Default	Write/Read FCS		Default
Message Timing		Default	Assured Write		Default
Write Length		Default	Read Data		Default
Read Length		Default			

Default Back **Next** Cancel

STEP 8. Input the Bus name, select 'Yes, please delete' or 'No, please reserve' and then click 'Finish'.



Add Channel/Bus

Please input the Bus name:
BUS0

Do you want to delete the other Buses and channels in the software?

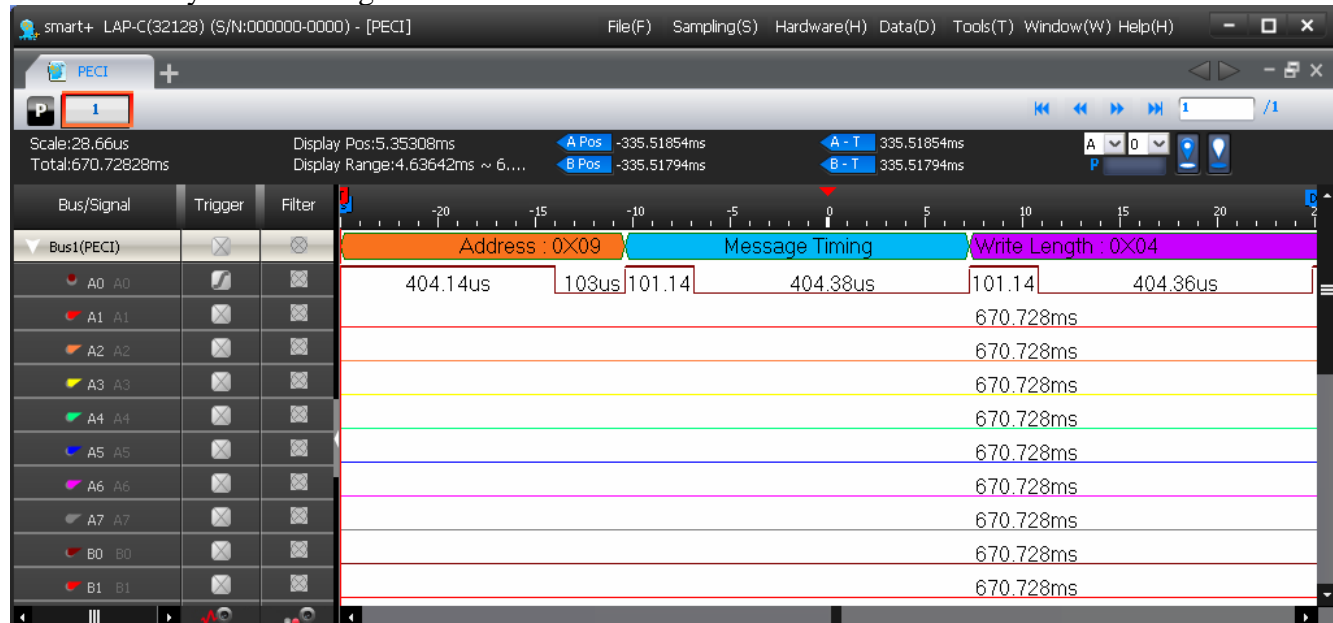
☐ Yes, please delete
☒ **No, please reserve**

Back **Finish** Cancel



STEP 9. Following pictures show the completion of the protocol analyzer decoding and the packet list. The trigger condition is Rising Edge; the memory depth is 128K; the sampling frequency is 50MHz (the sampling frequency should be more than 5 times higher than the signal to be tested).

Protocol Analyzer Decoding



Packet List

