

PCIEX-02

User's Manual

Bear Technologies
www.beartech.com.tw

Section 1 : Introduction

1. Product Feature

PCIEX-02 S101 can be use to test Full Mini Card Slot



2. Accessories

PCIEX-02 S101 test card * 1

3. JMPER SETTING & LED

- 1> LED1 : 12V LED
- 2> LED2 : 3.3Vaux LED
- 3> LED3 : Reset LED
- 4> J1 : WAKE UP

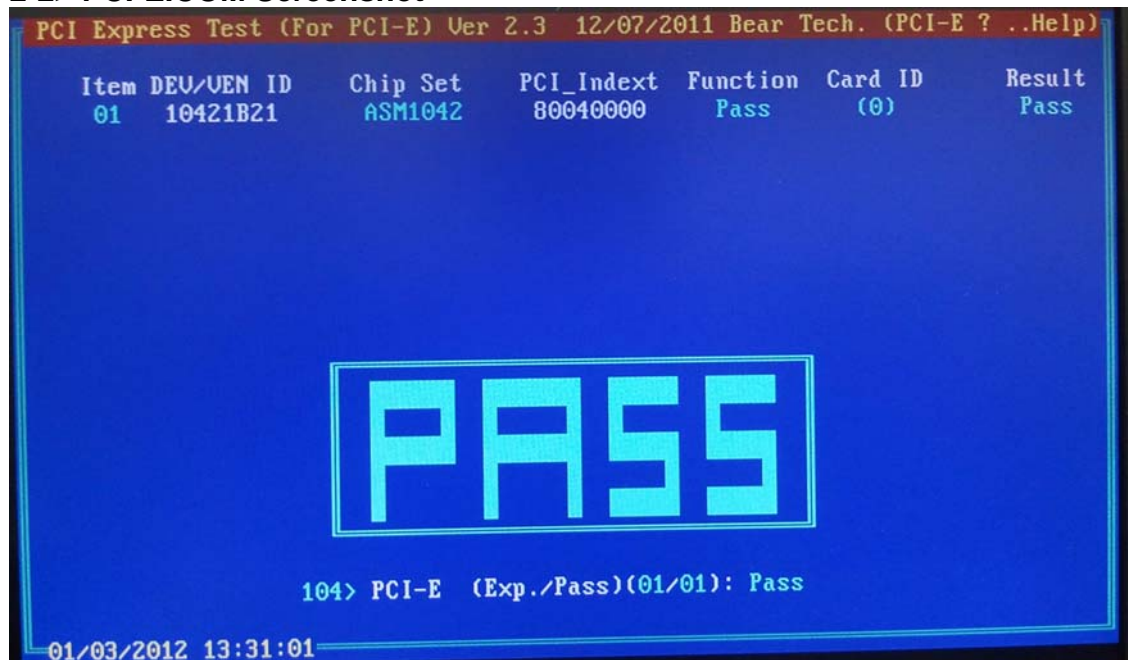
Section 2 : Common Program Syntax

2-1> Filename: PCI-E.COM

PCI-E [T1 .. T16]

PCI-E	:	TEST 1 PCI EXPRESS CARD
PCI-E T2	:	TEST 2 PCI EXPRESS CARD
PCI-E ?	:	HELP MESSAGE

2-2> PCI-E.COM Screenshot



The screenshot shows a DOS-based utility window titled "PCI Express Test (For PCI-E) Ver 2.3 12/07/2011 Bear Tech. (PCI-E ? ..Help)". The window contains a table with the following data:

Item	DEU/VEN ID	Chip Set	PCI_Indext	Function	Card ID	Result
01	10421B21	ASM1042	80040000	Pass	(0)	Pass

Below the table, the word "PASS" is displayed in large, bold, cyan letters within a rectangular border. At the bottom of the window, the text "104> PCI-E (Exp./Pass)(01/01): Pass" is shown, along with a timestamp "01/03/2012 13:31:01" in the bottom-left corner.

Section 3 : Testing Principle

A. Fuction:

1. PCI Express x1 real test.
To wake use of PCI express TO USB Bridge capabillity by Asmedia ASM1042.
2. The test signal as follow:
3.3V , +1.5V, 3.3Vaux, Wake#, RX+, RX-, TX+ , REFCLK+ , REFCLK- , Reset.

B. Compatibillity:

1. The mother board with Mini Express Card .

C. Efficiency and Completeness:

1. Only requires one test program (PCI-E.COM ? Help Message) to complete the 1~17 PCI Express slots and the process only test 1 second

D. Operating Procedure:

1. Connect test card to MINI EXPRESS Slot
2. Boot up the system to DOS platform
3. Execute [PCI-E.COM & USBT.COM](#)

**Program updates and product related information
can be viewed and downloaded at :**

<http://www.beartech.com.tw>

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