

PCIEX-03

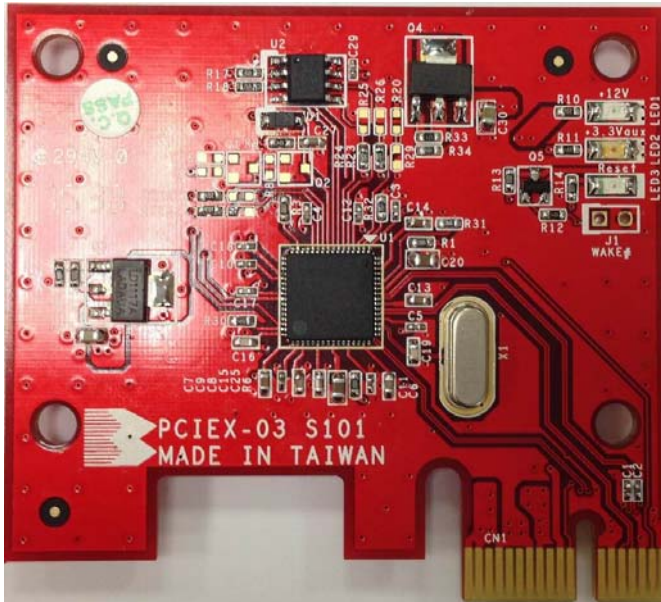
User's Manual

Bear Technologies
www.beartech.com.tw

Section 1 : Introduction

1. Product Feature

PCIEX-03 S101 can be use to test PCI EXPRESS X1 Slot



2. Accessories

PCIEX-03 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-XP.COM

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PCI Express Test Ver 3.1 09/16/2015 Bear Technologies ( PCI-XP ? ..Help)

PCI-XP [T1..T16][\K][\K][+S][+Gen][P??X??][P??G?][Self]
        [-P??W][+P??G][\G]
/K      : Any key to continue      +S    : Add Error Status Test
-Width : Skip Link Width Test      +Gen  : Add Link Speed Test
P??X?? : Expected Which Port Link Width
P??G?  : Expected Which Port Link Speed
-P??W  : Which Port To Skip Link Width Test
-P??G  : Which Port To Skip Link Speed Test
\G     : Skip Gate A20 Eenable   Self  : Self Link Width & Speed

PCI-XP      ; Test 1 PCI-Express Slot
PCI-XP T2   ; Test 2 PCI-Express Slot
PCI-XP -Width ; Skip Link Width
PCI-XP +Gen ; Add Link Speed
PCI-XP P1X1 ; Expected Port 1 Link Width = X1
PCI-XP P2X4 ; Expected Port 2 Link Width = X4
PCI-XP P6X8 ; Expected Port 6 Link Width = X8
PCI-XP P10X16 ; Expected Port 10 Link Width = X16
PCI-XP +Gen P1G1 ; Expected Port 1 Link Speed = Gen1
PCI-XP +Gen -P2G ; Skip Port 2 Link Speed

C:\NPIC>
```

2-2> PCI-E.COM Screenshot

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PCI Express Test Ver 3.1 09/16/2015 Bear Technologies ( PCI-XP ? ..Help)

Port PciIndex Bus ChipSet Expected Read Width/Speed Card ID Result
01 80010000 001 ASM1142 (X 1/Gen3) (X 1/Gen3) (0) Pass

          PASS

105> Ports (Exp./Pass)(01/01): Pass

09/17/2015 16:59:36
C:\NPIC>
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Section 3 : Testing Principle

A. Fuction:

1. PCI Express x1 real test.
To wake use of PCI express TO USB Bridge capability by Asmedia ASM1142.

2. Support PCIe GEN3

B. Compatibillity:

1. mother board

C. Efficiency and Completeness:

1. Only requires one test program (PCI-XP.COM ? Help Message)
to complete the 1~16 PCI Express slots and the process only test
1 second

D. Operating Procedure:

1. Connect test card to PCI EXPRESS Slot
2. Boot up the system to DOS platform
3. Execute **PCI-XP.COM**

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

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

Bear Technologies

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