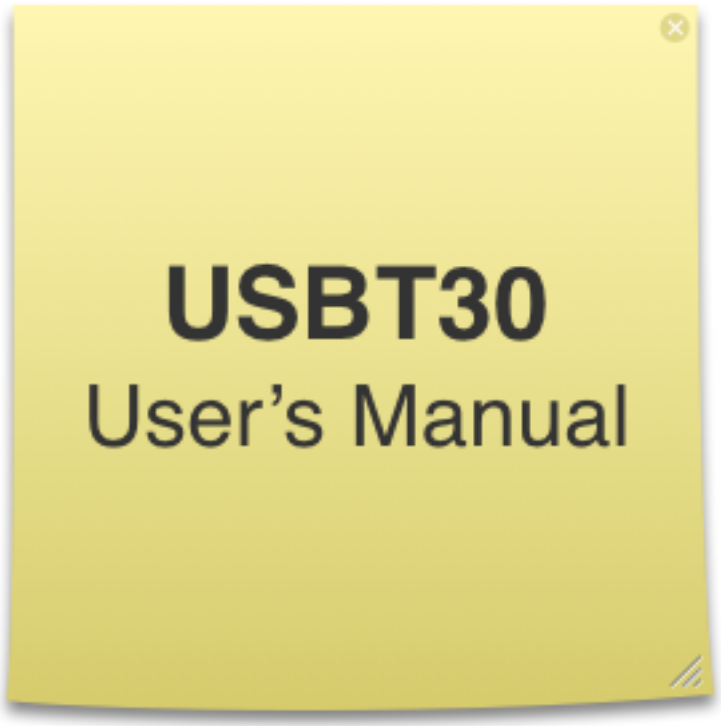

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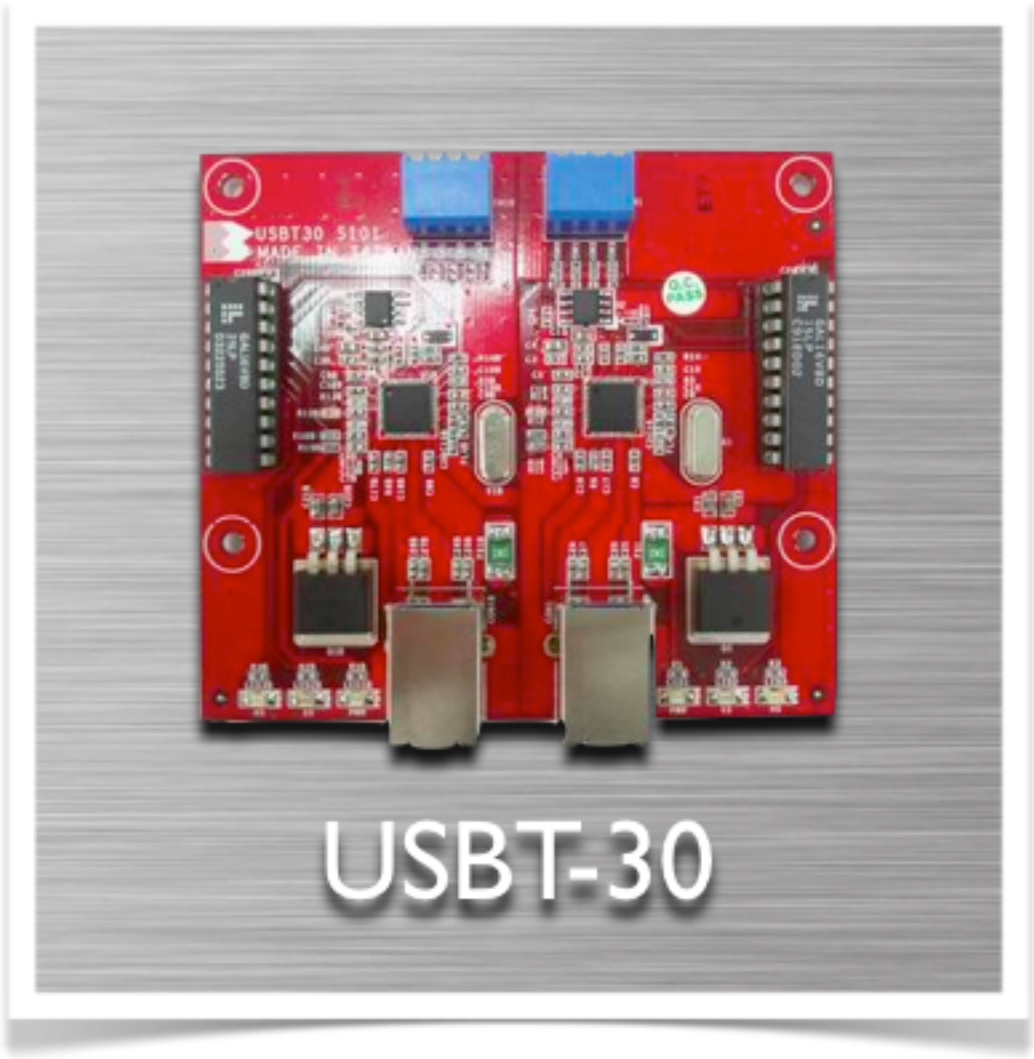
Section 1: Introduction



1. Product Feature

1.1. USB3.0/USB2.0 Function Test (2 Ports)

2. Specifications

2.1. USB3.0 Super Speed/ USB 2.0 High Speed

3. Compatibility

3.1. Motherboards, Notebook, IPC, Server, Hub & USB Express Card

4. Testing Introduction

4.1. DOS Mode (USBT30.COM)
4.2. Only requires one program to conduct fully test USB 3.0 &USB 2.0
4.3. Only require one test screen to display the results of USB 3.0 & USB 2.0 Function Test
4.4. Using Asmedia USB 3.0 chip (ASM1051, which is downward compatible to USB 2.0) to physically transmit data with the test target
4.5. Auto switch between USB 3.0 & 2.0

5. Testing Material

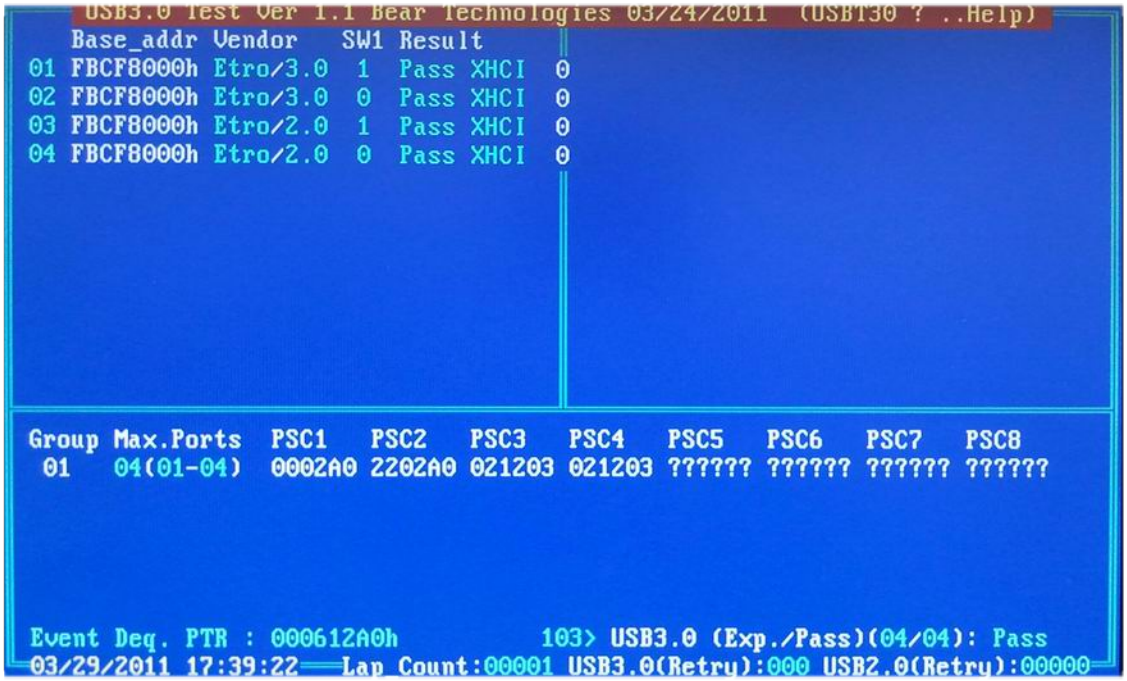
5.1. Control Transfer
5.2. Bulk Transfer
5.3. D+/D-, TX+/TX-, RX+/RX-
5.4. VCC/GND

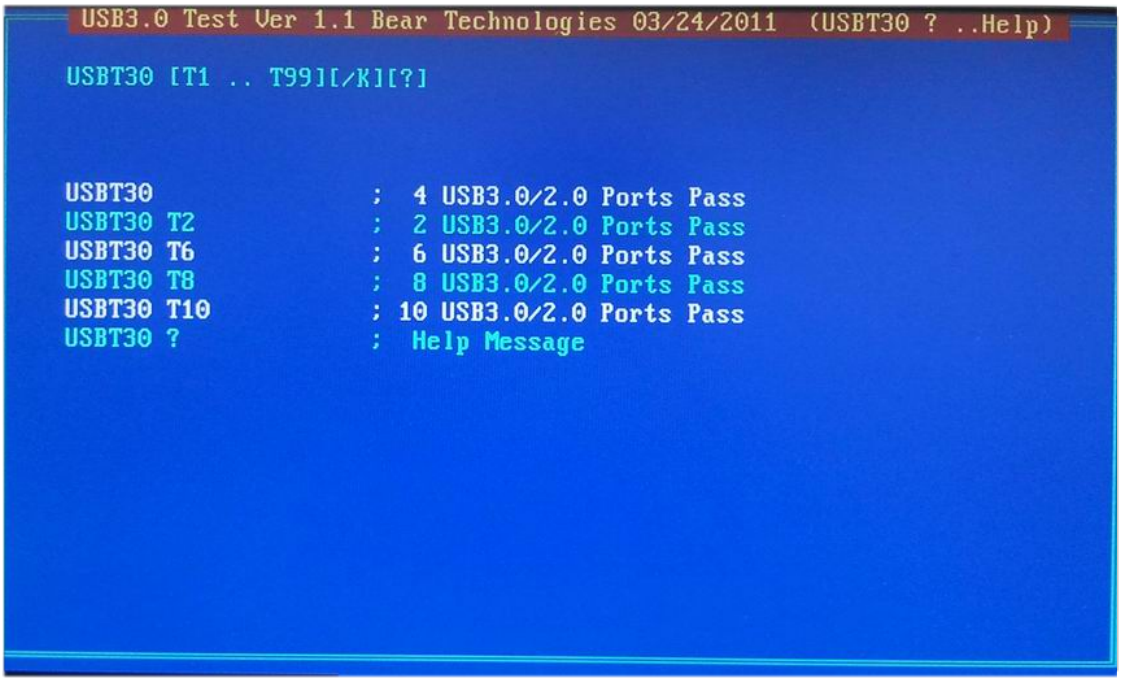
6. Testing Procedure

6.1. Connect USBT30 Test card with the target
6.2. Boot the screen to DOS platform
6.3. Execute USBT30.com

Section 2: Common Program Syntax

1-1> Filename: USBT30.COM

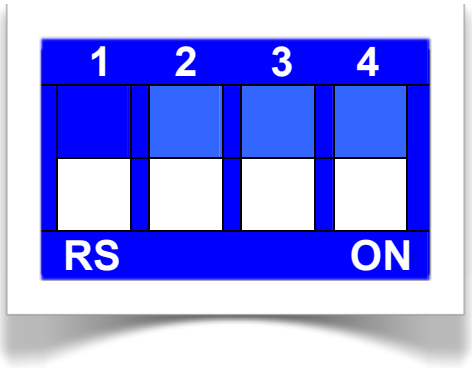




Section 3: Testing Principle

1. LED & SWITCH

SW1



Bit 1: S_SW3 (ON -> S_SW3 = 0, OFF -> S_SW3 = 1)
Bit 2: S_SW2 (ON -> S_SW2 = 0, OFF -> S_SW2 = 1)
Bit 3: S_SW1 (ON -> S_SW1 = 0, OFF -> S_SW1 = 1)
Bit 4: S_SW0 (ON -> S_SW0 = 0, OFF -> S_SW0 = 1)

S_NO	SW3	SW2	SW1	SW0
0H	0	0	0	0
1H	0	0	0	1
2H	0	0	1	0
3H	0	0	1	1
4H	0	1	0	0
5H	0	1	0	1
6H	0	1	1	0
7H	0	1	1	1
8H	1	0	0	0
9H	1	0	0	1
AH	1	0	1	0
BH	1	0	1	1
CH	1	1	0	0
DH	1	1	0	1
EH	1	1	1	0
FH	1	1	1	1

2. Test Results

2.1. The chips that have been tested

- NEC D720200F1
- Asmedia ASM1042
- Fresco FL1000
- Etron EJ168
- VIA VL800

Section 4: Support

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