PowerUSB Test Plug Procedure
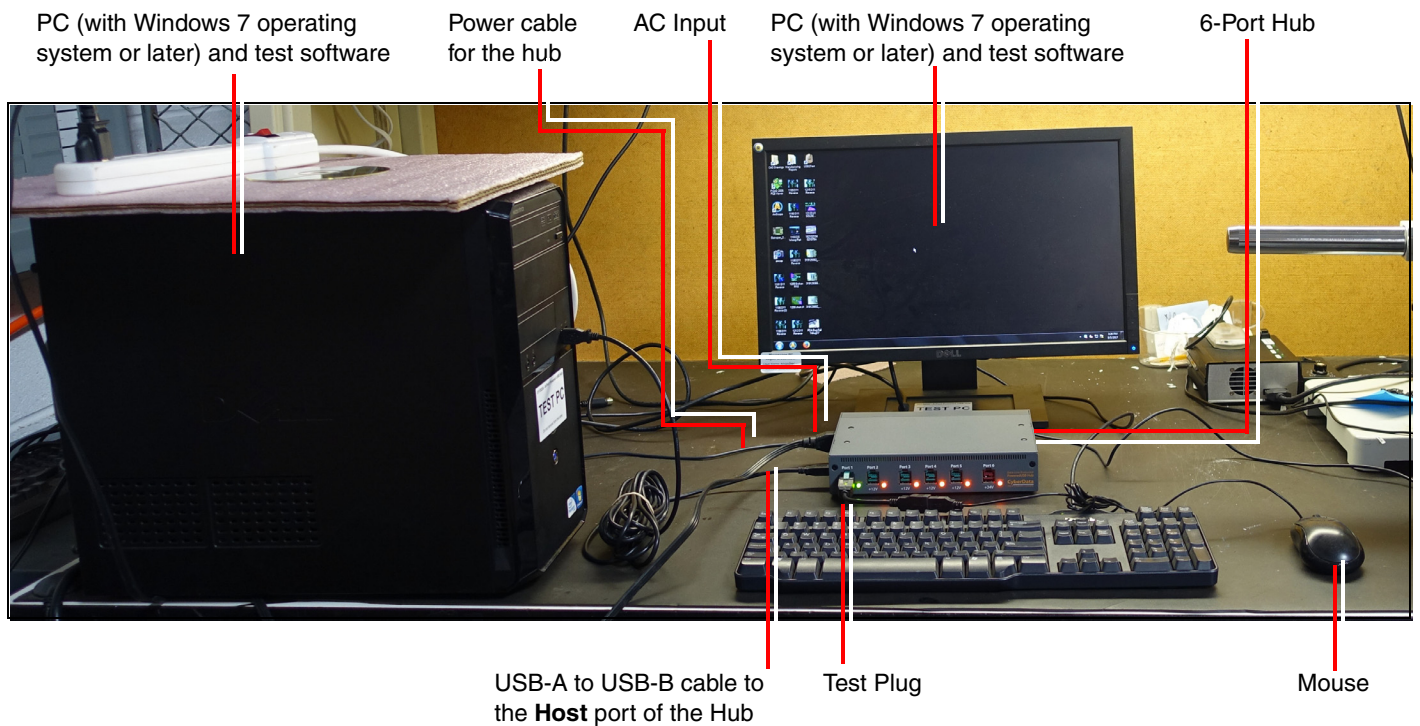

010680 / 010681

CyberData

TITLE:
010680/010681 PowerUSB Test Plug Procedure

DOCUMENT NUMBER
931701A

SHEET 1

1.0   Test Plug Test Procedure

    1.1   Make sure that you have the following before you begin the load test (see Figure 1):

- (1) Test Plug
- (1) 6-Port Hub
- (1) PC (with Windows 7 operating system or later) and test software
- (1) Power cable for the hub
- USB-A to USB-B cable to the Host port of the Hub
- (1) Power cable for the hub
- (1) Monitor
- (1) Mouse
- (1) Keyboard

Figure 1. Hub Testing

PC (with Windows 7 operating system or later) and test software   Power cable for the hub   AC Input   PC (with Windows 7 operating system or later) and test software   6-Port Hub

USB-A to USB-B cable to the **Host** port of the Hub   Test Plug   Mouse

1.2   Connect the test plug cable to hub port 1. See Figure 2.

1.3   Confirm that the green LED on the test plug is on. See Figure 2.

Figure 2. Connect the test plug to hub port 1

Connect the test plug to hub port 1

Confirm that the green LED on the test plus is on

12V +/-0.5V is the expected range for the GREEN light indicator to be on to show the proper levels.

24V +/-0.5V is the expected range for the GREEN light indicator to be on to show the proper levels.

1.4   Connect the USB-B end of the cable connected to the test plug to the USB-A end of the cable connected to the mouse. See Figure 3.

Figure 3. Connect the test plug to the mouse

Connect the USB-B end of the cable connected to the test
plug to the USB-A end of the cable connected to the mouse.

1.5   Confirm that the LED for port one changes from **amber** to **green**. See Figure 4.

Figure 4. Confirm that the LED for port one changes from amber to green

Confirm that the LED for port one changes from **amber** to **green**

1.6   Use the mouse to move the pointer on the computer's monitor. If the pointer moves, then the test plug has passed the test successfully. See Figure 5.
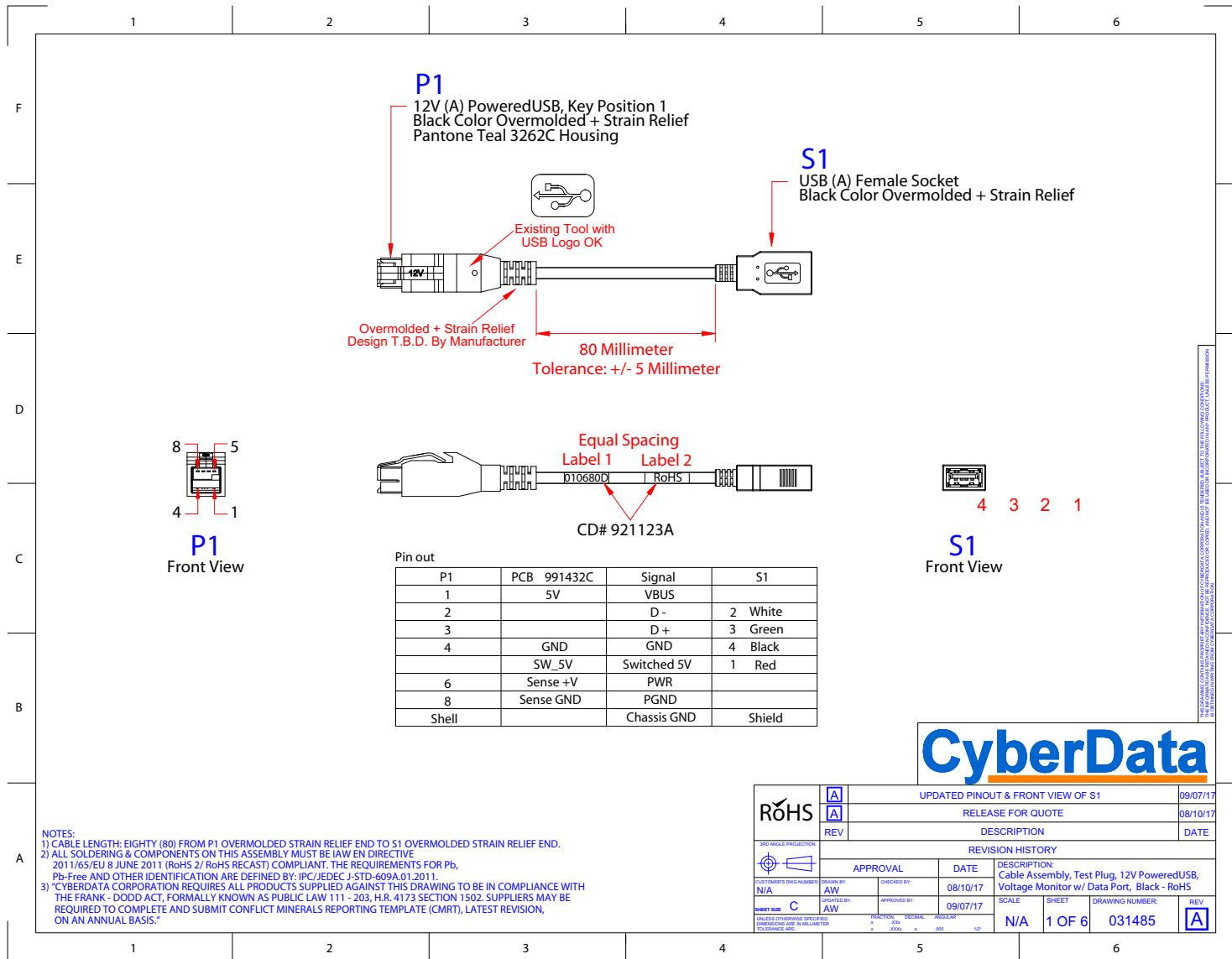
Figure 5. Use the mouse to move the pointer on the monitor.

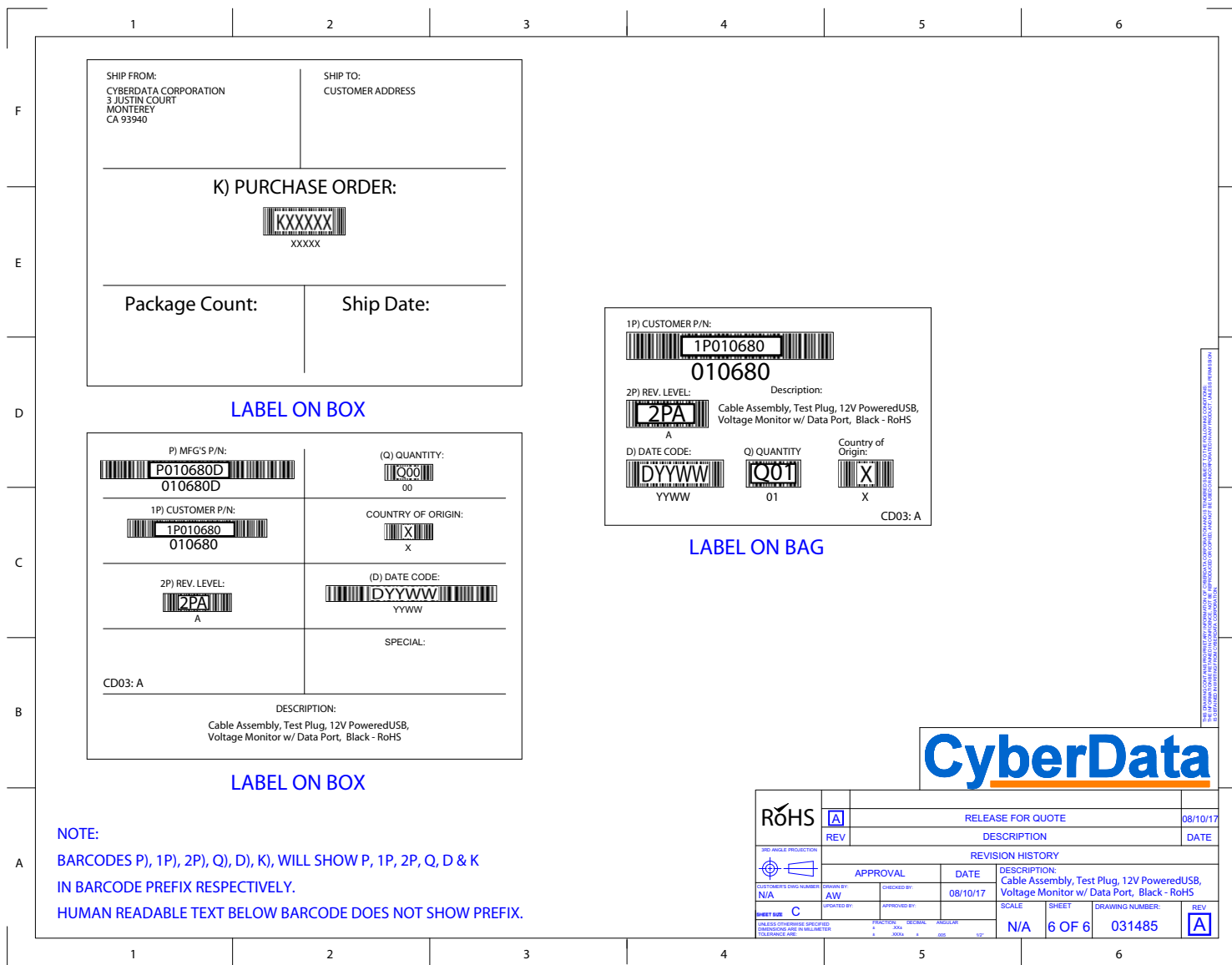Use the mouse to move the pointer on the monitor.

2.0 Labels

Figure 6. Labels[1]

Pin out

P1	PCB 991432C	Signal	S1	
1	5V	VBUS		
2		D -	2	White
3		D +	3	Green
4	GND	GND	4	Black
	SW_5V	Switched 5V	1	Red
6	Sense +V	PWR		
8	Sense GND	PGND		
Shell		Chassis GND	Shield	

NOTES:
1) CABLE LENGTH: EIGHTY (80) FROM P1 OVERMOLDED STRAIN RELIEF END TO S1 OVERMOLDED STRAIN RELIEF END.
2) ALL SOLDERING & COMPONENTS ON THIS ASSEMBLY MUST BE IAW EN DIRECTIVE 2011/65/EU 8 JUNE 2011 (RoHS 2/ RoHS RECAST) COMPLIANT. THE REQUIREMENTS FOR Pb, Pb-Free AND OTHER IDENTIFICATION ARE DEFINED BY: IPC/JEDEC J-STD-609A.01.2011.
3) "CYBERDATA CORPORATION REQUIRES ALL PRODUCTS SUPPLIED AGAINST THIS DRAWING TO BE IN COMPLIANCE WITH THE FRANK - DODD ACT, FORMALLY KNOWN AS PUBLIC LAW 111 - 203, H.R. 4173 SECTION 1502. SUPPLIERS MAY BE REQUIRED TO COMPLETE AND SUBMIT CONFLICT MINERALS REPORTING TEMPLATE (CMRT), LATEST REVISION, ON AN ANNUAL BASIS."

REVISION HISTORY

REV	DESCRIPTION	DATE
A	UPDATED PINOUT & FRONT VIEW OF S1	09/07/17
A	RELEASE FOR QUOTE	08/10/17

DESCRIPTION: Cable Assembly, Test Plug, 12V PoweredUSB, Voltage Monitor w/ Data Port, Black - RoHS

DRAWN BY: AW — 08/10/17
UPDATED BY: AW — 09/07/17

SCALE: N/A | SHEET: 1 OF 6 | DRAWING NUMBER: 031485 | REV: A

1. This figure is just an example. The information on the label(s) may be different. Always be sure to use the most current labels that match the information from the current CyberData Bill of Materials.

3.0 Packaging

Figure 7. Packaging[1]

CyberData

TITLE:
010680/010681 PowerUSB Test Plug Procedure

DOCUMENT NUMBER
931701A

SHEET 8

LABEL ON BOX

LABEL ON BAG

LABEL ON BOX

NOTE:

BARCODES P), 1P), 2P), Q), D), K), WILL SHOW P, 1P, 2P, Q, D & K
IN BARCODE PREFIX RESPECTIVELY.

HUMAN READABLE TEXT BELOW BARCODE DOES NOT SHOW PREFIX.

1. This figure is just an example. The information on the label(s) may be different. Always be sure to use the most current labels that match the information from the current CyberData Bill of Materials.