# IBD189 CAN BUS CARD PCI Express Mini Card V1.2

User guide 1.0

## **IBD189 and PK1-79 Mechanical Drawing**



#### Setting the Jumpers

## SW1: Programmable Firmware Upgrade Setting



12	De	fault:	Norm	al Mode,	Pin 1	,2 OI	F
					_		-

SW1-1P	SW1-2P	F/W Upgrade Mode
OFF	OFF	Normal Mode*
ON	OFF	DFU Mode

\*Default

#### **Connectors pin definition**

### CAN1, CAN2: CAN BUS Connector

1X4\_1.25mm\_Right Angle\_Male\_Wafer (E-CALL 0110-2620040, Mating connector: Molex 53048-0410)

	Pin #	Signal Name
Hoood	1	DATA H
	2	Ground
1 1	3	DATA L
	4	Ground

## J3: JTAG (factory use only)

2X4\_2.0mm\_Straight\_Male\_Pin Header (E-CALL 0196-01-251-080)

	Signal Name	Pin #	Pin #	Signal Name
	+3.3V	1	2	GND
	TRST	3	4	TCLK
	TDI	5	6	TDO
, <b></b> p	TMS	7	8	Reset

#### Mini PCI-E CAN Bus Card Driver Installation

1. In the Windows OS, go to the Computer Management screen. In the **'Other devices**' as shown, right click the **"PCI Serial Port**" Properties.

A Device Manager	
<u>File Action View H</u> elp	
A      B      h-PC     p. Computer     Computer	
Display adapters	
<ul> <li>BVD/CD-ROM drives</li> <li>Iman Interface Devices</li> <li>Iman Interface Interface</li> <li>Image IDE ATA/ATAPI controllers</li> </ul>	
<ul> <li>Eyboards</li> <li>Bit ce and other pointing devices</li> <li>Mice and other pointing devices</li> </ul>	
<ul> <li>Network adapters</li> <li>Other devices</li> <li>IBD189-v010K</li> </ul>	
<ul> <li>Portable Devices</li> <li>Ports (COM &amp; LPT)</li> </ul>	
Image: Sound, video and game controllers     Image: Sound, video and game controllers     Image: Sound source controllers	

#### 2. In the PCI Serial Port Properties screen, click **Update Driver**.

3. In the Hardware Update Wizard screen, select "**No, not this time**" and click **Next** to continue.

4. Select **"Install from a list or specific location (Advanced)**, and click **Next** to continue.

5. Choose "**search**" and "**installation**" options, click the checkbox of "**Include this location in the search**", and click **Browse** to find the driver's path in the CD provided or enter the path directly -

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## \IBD189\_package\Driver\IBD189.inf

Browse for driver software on your compu	iter
Search for driver software in this location:	
C:\Users\h\Desktop\IBD189_package\Driver	▼ B <u>r</u> owse
	rs on my computer
Let me pICK from a list of device drive This list will show installed driver software compa software in the same category as the device.	tible with the device, and all driver

## 6. Click Install this driver software anywary.



7. Click *Finish* to close the wizard.

8. There are four serial ports. Therefore, the Hardware Update Wizard procedure will be repeated for the other serial port.