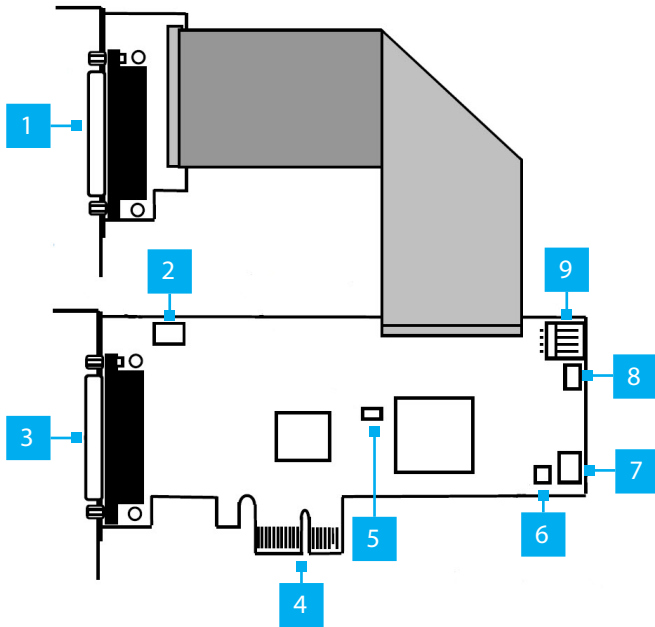


## 8-Port PCI Express Low Profile RS232 Serial Card | 16C1050 UART

### Product Diagram (PEX8S1050LP)



Component	Function
1 S5 - S8: DB44 Pin Connector to 4-Port Breakout Cable	<ul style="list-style-type: none"> <li>Used to connect the <b>DB44 to 4-Port DB9 Breakout Cable</b>.</li> </ul>
2 JP 5 - Power Over Serial Connector	<ul style="list-style-type: none"> <li>Used to set pin 9 on the DB9 connector (S1 - S4) to RI (no power) or to DC power. The <b>JP2 Aux Power Source Selector</b> determines the voltage 12 or 5.</li> <li>Default position is RI.</li> </ul>
3 S1 - S4: DB44 Pin Connector to 4-Port Breakout Cable	<ul style="list-style-type: none"> <li>Used to connect the <b>DB44 to 4-Port DB9 Breakout Cable</b>.</li> </ul>
4 PCI Express Connector	<ul style="list-style-type: none"> <li>Used to connect the <b>PCI Express Card</b> to the PCI Express expansion slot on the <b>Host Computer</b>.</li> </ul>

5 JP1: PME	<ul style="list-style-type: none"> <li>Used to enable or disable the wake from sleep setting.</li> <li>Default position is disable.</li> </ul>
6 JP4: Mode	<ul style="list-style-type: none"> <li>Used for factory testing.</li> <li>For normal use the jumper must be set to CEN.</li> </ul>
7 JP6: S5 - S8 Power Over Serial Connectors	<ul style="list-style-type: none"> <li>Used to enable or disable power over serial for S5 - S8 connectors.</li> </ul>
8 JP2: AUX Power Source Selector	<ul style="list-style-type: none"> <li>Used to select the DC power source for Pin 9 on the DB9 connector.</li> <li><b>Internal 12V:</b> Power supplied by motherboard's PCI Express Slot.</li> <li><b>External 12V:</b> Power supplied by J3 Power Connector.</li> <li><b>External 5V:</b> Power supplied by J3 Power Connector.</li> </ul>
9 J3 Aux. Power Connector	<ul style="list-style-type: none"> <li>Used to connect an external power source to the <b>Serial Card</b>.</li> </ul>

### Requirements

For the latest requirements, please visit [www.startech.com/PEX8S1050LP](http://www.startech.com/PEX8S1050LP)

### Installation

**WARNING!** PCI Express cards can be severely damaged by static electricity. Be sure that you are properly grounded before touching the **Serial Card**.

1. Turn Off the **Host Computer**.
2. Remove the chassis cover from the **Host Computer**.
3. Locate a **PCI Express Slot**, using a **Screwdriver** (sold separately) remove the **Screw** used to secure the **PCI Express Slot Cover** and set the **Screw** aside.
4. Align the **PCI Express Connector** on the **Serial Card** with a **PCI Express Slot**. While applying pressure evenly across the top edge of the **Serial Card**, insert the **Serial Card** into the **PCI Express Slot**, ensuring that the **Serial Card** is properly aligned with the rear panel slot.
5. Using a **Screwdriver** and the **Screw** removed in step 3, secure the **Serial Card** to the motherboard and rear chassis. Secure the additional serial port provided by the daughter board (smaller circuit board) to an adjacent rear bracket.

- Place the chassis cover back on the **Host Computer**.
- Connect the **4-Port Breakout Cables** to the **DB44 Pin Connectors** on the **Serial Card**.
- Power on the **Host Computer**. When the **Host Computer** has been rebooted, the operating system will detect that the **Serial Card** has been installed.

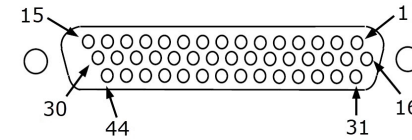
## Installing the Drivers

- Using a web browser, navigate to [www.startech.com/PEX8S1050LP](http://www.startech.com/PEX8S1050LP).
- On the Product page, click the **Support** tab located in the middle of the screen.
- In the **Drivers and Downloads** section, click on the driver link that corresponds with the operating system running on the host laptop.

**Note:** if there is only one driver listed click the driver and select the operating system once the file is downloaded.

- Click **Open**, the driver folder will open listing the compatible operating systems.
- Click the folder for the version of operating system that you are running.
- Click the **Setup.exe** (windows) or **Install.pkg** (macOS) file.
- Follow the on-screen prompts to complete the installation.

## DB44 Pin Assignment



Port 1		Port 2		Port 3		Port 4	
42	DCD1	39	DCD2	35	DCD3	31	DCD4
14	RXD1	10	RXD2	6	RXD3	2	RXD4
13	TXD1	9	TXD2	5	TXD3	1	TXD4
29	DTR1	25	DTR2	21	DTR3	17	DTR4
44	GND	41	GND	37	GND	33	GND
30	DSR1	26	DSR2	22	DSR3	18	DSR4
15	RTS1	11	RTS2	7	RTS3	3	RTS4
28	CTS1	24	CTS2	20	CTS3	16	CTS4
43	RI 1	40	RI 2	36	RI 3	32	RI 4

### FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

### Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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### Safety Measures

- If product has an exposed circuit board, do not touch the product under power.

### Mesures de sécurité

- Si l'un des circuits imprimés du produit est visible, ne pas touchez le produit lorsqu'il est sous tension.

### 安全対策

- 製品に露出した状態の回路基盤が含まれる場合、電源が入っている状態で製品に触らないでください。

### Misure di sicurezza

- Se il prodotto ha un circuito stampato visibile, non toccare il prodotto quando è acceso.

### Säkerhetsåtgärder

- Rör aldrig vid enheter med oskyddade kretskort när strömmen är påslagen.

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