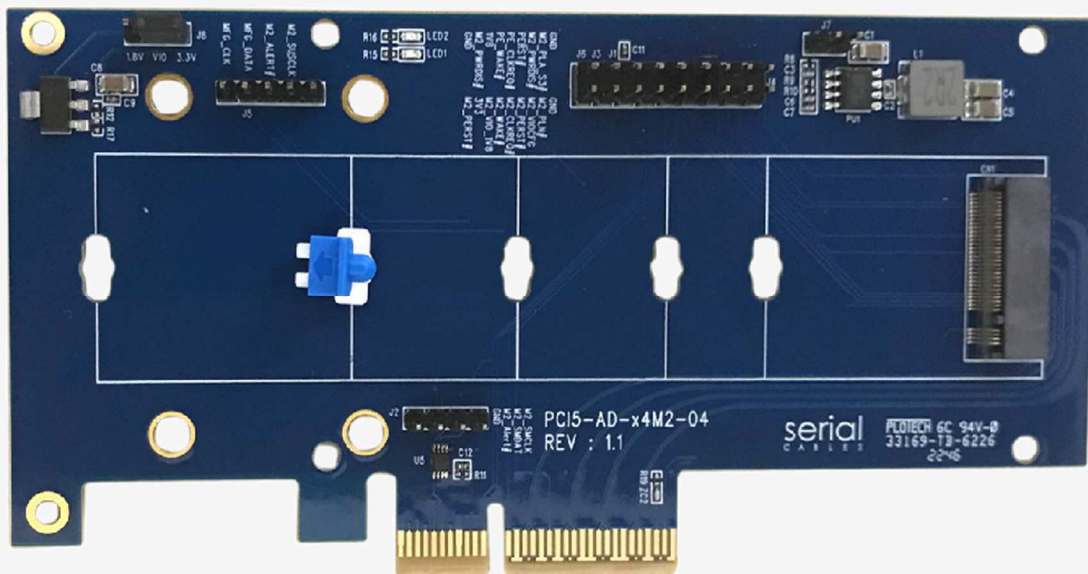




**serial**  
C A B L E S

# PCIe Gen5 X4 Slot To M.2 Adapter Card

**Part Number: PCI5-AD-x4M2-04**



**User's Manual**

**REV: 1.2**

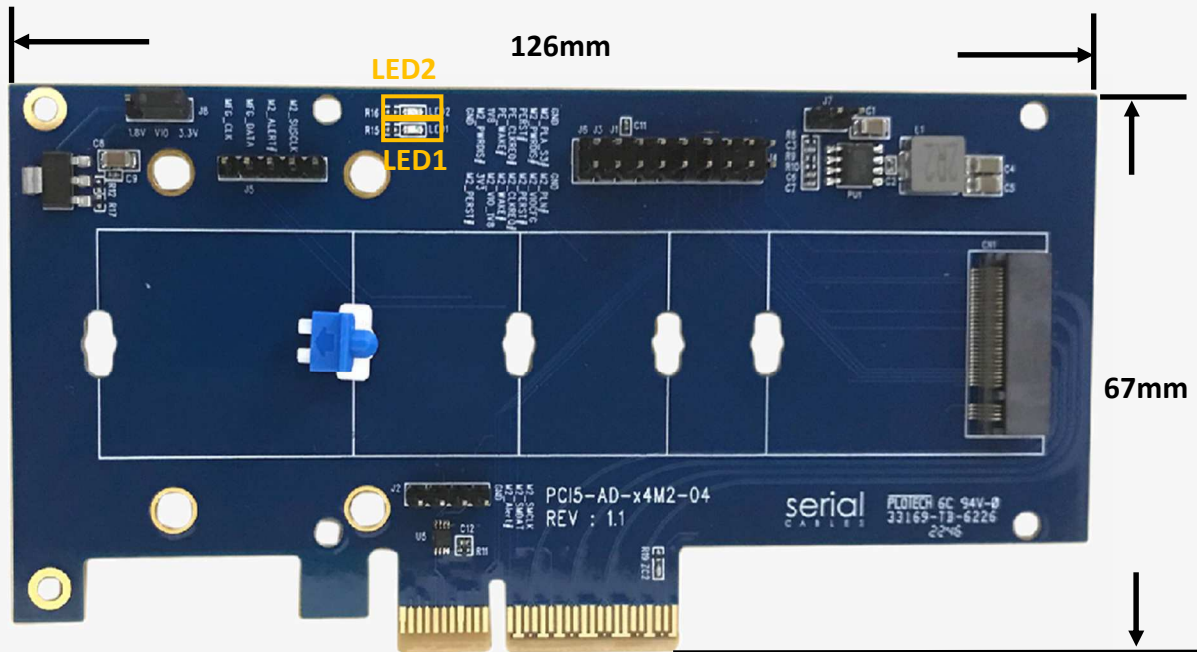
**April. 2024**



## Change history

REV	Change history	Date of Release
1.0	New created	Dec. 2022
1.1	Updated the default jumper setting	Aug.2023
1.2	Added descriptions for pin headers	Apr. 2024

## Product Brief

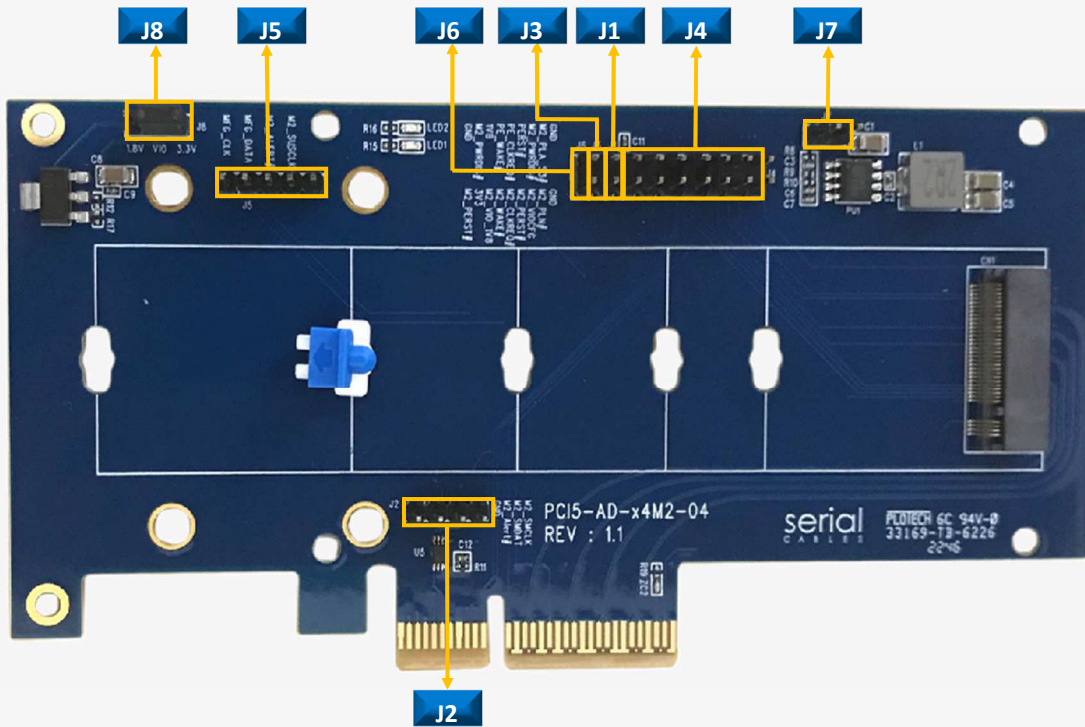


## Hardware Specification

Model	PCI5-AD-x4M2-04
PCBA Physical Dimension	67mm(H) x 126mm(L). PCI Express add-in card standard, Thickness .063" +/- 0.008" (1.6mm +/- 0.2mm)
LEDs	LED1: <b>Blue</b> , Power LED. LED2: <b>Green</b> , M.2 Activity LED.
M.2 support	2230/2242/2260/2280/22110



## Functions of Headers



Headers	Descriptions																					
J8	Pin1*2 ON: Set the pull up to be 1.8V for M.2 side-band signals. Pin2*3 ON: Set the pull up to be 3.3V for M.2 side-band signals.  <i>Note: Side-band signals include M2_WAKE# and M2_PERST#.</i>	<table border="1"> <thead> <tr> <th>Pins in Header</th> <th>Signals</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.8V</td> </tr> <tr> <td>2</td> <td>M2_VIO</td> </tr> <tr> <td>3</td> <td>3.3V</td> </tr> </tbody> </table>	Pins in Header	Signals	1	1.8V	2	M2_VIO	3	3.3V												
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J5	<u>For M.2 MFG SMBus accessing.</u> <table border="1"> <thead> <tr> <th>Pins in Header</th> <th>Signals</th> <th>Pins in M.2 connector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MFG_CLK</td> <td>58</td> </tr> <tr> <td>2</td> <td>MFG_DATA</td> <td>56</td> </tr> <tr> <td>3</td> <td>M2_ALERT#</td> <td>44</td> </tr> <tr> <td>4</td> <td>M2_SUSCLK</td> <td>68</td> </tr> <tr> <td>5</td> <td>GND</td> <td></td> </tr> </tbody> </table>	Pins in Header	Signals	Pins in M.2 connector	1	MFG_CLK	58	2	MFG_DATA	56	3	M2_ALERT#	44	4	M2_SUSCLK	68	5	GND				
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J6	ON: Assert M.2 PERST# signal. OFF: De-assert M.2 PERST# signal.	<table border="1"> <thead> <tr> <th>Pins in Header</th> <th>Signals</th> <th>Pins in M.2 connector</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>GND</td> <td></td> </tr> <tr> <td>1</td> <td>M2_PERST#</td> <td>50</td> </tr> </tbody> </table>	Pins in Header	Signals	Pins in M.2 connector	2	GND		1	M2_PERST#	50											
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J3	ON: Force M.2 power disable. OFF: Force M.2 power enable.	<table border="1"> <thead> <tr> <th>Pins in Header</th> <th>Signals</th> <th>Pins in M.2 connector</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>GND</td> <td></td> </tr> <tr> <td>1</td> <td>M2_PWRDIS</td> <td>6</td> </tr> </tbody> </table>	Pins in Header	Signals	Pins in M.2 connector	2	GND		1	M2_PWRDIS	6											
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Headers	Descriptions																																										
J1	<p>ON: Provide 1.8V to M.2 VIO 1.8V</p> <p>OFF: M.2 VIO 1.8V to be floating</p> <table border="1"> <thead> <tr> <th>Pins in Header</th> <th>Signals</th> <th>Pins in M.2 connector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.8V</td> <td></td> </tr> <tr> <td>2</td> <td>M2_VIO1V8</td> <td>22</td> </tr> </tbody> </table>	Pins in Header	Signals	Pins in M.2 connector	1	1.8V		2	M2_VIO1V8	22																																	
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J7	<p>ON: Disable 12V to 3.3V switching power for M.2</p> <p>OFF: Enable 12V to 3.3V switching power for M.2</p>																																										