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# PXle-5841 User Manual

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# PXIe-5655 Front Panel and LEDs

Figure 2. PXIe-5655 with MMPX Front Panel



Table 11. PXIe-5655 Connector Descriptions

| Connector | Use                                                          | Connector Type |
|-----------|--------------------------------------------------------------|----------------|
| REF OUT   | Output terminal that can export a 10 MHz Reference Clock.    | MMPX (f)       |
| PFI 0     | This is reserved and not enabled for use with the PXIe-5841. | —              |
| REF IN    | Input terminal that allows the use of an external            | MMPX (f)       |

| Connector | Use                                                                                                                                                                                                                                                               | Connector Type |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|           | <p>Reference Clock with one of the following frequencies:</p> <ul style="list-style-type: none"> <li>• 10 MHz</li> <li>• 100 MHz</li> <li>• 270 MHz</li> <li>• <math>3.84 \text{ MHz} \times y</math>, where <math>y</math> is 4, 8, 16, 24, 25, or 32</li> </ul> |                |
| LO 0 OUT  | Output terminal for the LO source. This terminal has no signal at power on and reset.                                                                                                                                                                             | MMPX (f)       |
| LO 0 IN   | Input terminal that allows the use of an external local oscillator.                                                                                                                                                                                               | MMPX (f)       |
| LO 1 IN   | Input terminal that allows the use of an external local oscillator.                                                                                                                                                                                               | MMPX (f)       |
| LO 1 OUT  | Output terminal for the LO source. This terminal has no signal at power on and reset.                                                                                                                                                                             | MMPX (f)       |

Table 12. PXIe-5655 LED Indicators

| LED    | Indications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCESS | <p>Indicates the basic hardware status of the module.</p> <ul style="list-style-type: none"> <li>• <b>Off</b>—The module is not yet functional or has detected a problem with a PXI Express power rail.</li> <li>• <b>Amber</b>—The module is being accessed. <i>Accessed</i> means that you are writing to the device setup registers to control the device, reading from the device to monitor the device status, or transferring data to or from the device.</li> <li>• <b>Green</b>—The module is controllable through the software.</li> </ul> |
| ACTIVE | <ul style="list-style-type: none"> <li>• <b>Off</b>—The module is idle or locked to the requested reference.</li> <li>• <b>Solid red</b>—The PLL is unlocked or the</li> </ul>                                                                                                                                                                                                                                                                                                                                                                      |

| LED | Indications                                                 |
|-----|-------------------------------------------------------------|
|     | module temperature is out of the specified operating range. |