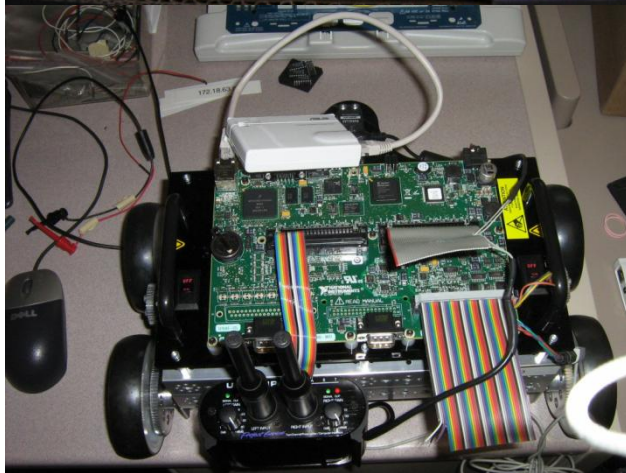
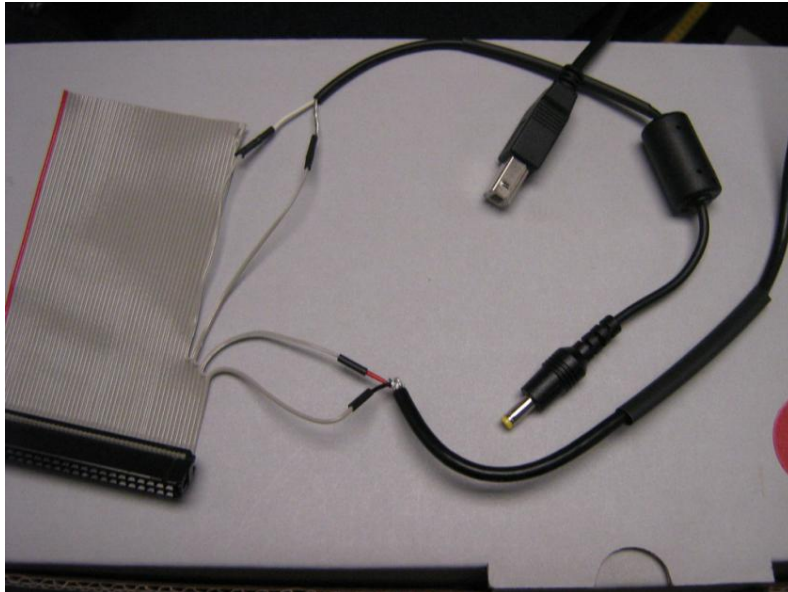


Cabling for ASUS Wireless Bridge and USB Dual Pre Microphone Pre-Amp

Power Connections:



Cut of the ends of the USB cables and solder as shown. Plug ribbon cable into P5 – Pin 1 is toward center of sbRIO.

Analog Input Connections:

http://www.ni.com/pdf/manuals/375052c.pdf - Windows Internet Explorer

http://www.ni.com/pdf/manuals/375052c.pdf

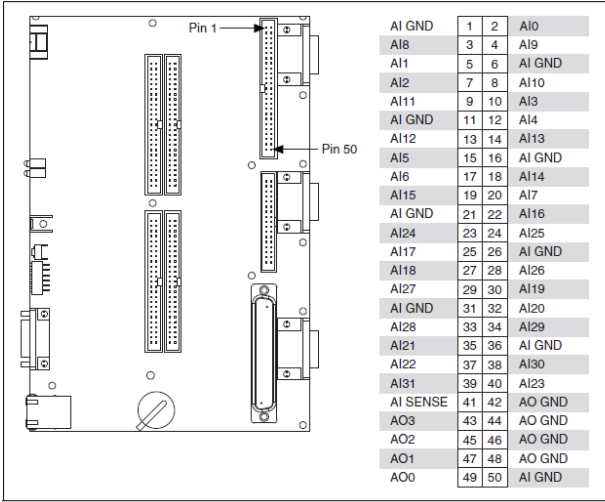
ese.wustl.edu/ese497

http://www.ni.com/pdf/... Adobe - Download Adobe ...

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- Locator Diagram
- Table 1. NI sbRIO Connector Descriptions
- Figure 5. Pinout of I/O Connector P2, 3.3 V Digital I/O
- Figure 6. Pinout of I/O Connector P3, 3.3 V Digital I/O
- Figure 7. Pinout of I/O Connector P4, 3.3 V Digital I/O
- Figure 8. Pinout of I/O Connector P5, 3.3 V Digital I/O
- Figure 9. Pinout of I/O Connector J7, Analog I/O
- Figure 10. Pinout of I/O Connector J6, 24 V Digital Input (NI sbRIO-964x/9642X)
- Figure 11. Pinout of I/O Connector J5, 24 V Digital Output (NI sbRIO-964x/9642X)



| | | | |
|----------|----|----|--------|
| AI GND | 1 | 2 | AI0 |
| AI8 | 3 | 4 | AI9 |
| AI1 | 5 | 6 | AI GND |
| AI2 | 7 | 8 | AI10 |
| AI11 | 9 | 10 | AI3 |
| AI GND | 11 | 12 | AI4 |
| AI12 | 13 | 14 | AI13 |
| AI5 | 15 | 16 | AI GND |
| AI6 | 17 | 18 | AI14 |
| AI15 | 19 | 20 | AI7 |
| AI GND | 21 | 22 | AI16 |
| AI24 | 23 | 24 | AI25 |
| AI17 | 25 | 26 | AI GND |
| AI18 | 27 | 28 | AI26 |
| AI27 | 29 | 30 | AI19 |
| AI GND | 31 | 32 | AI20 |
| AI28 | 33 | 34 | AI29 |
| AI21 | 35 | 36 | AI GND |
| AI22 | 37 | 38 | AI30 |
| AI31 | 39 | 40 | AI23 |
| AI SENSE | 41 | 42 | AO GND |
| AO3 | 43 | 44 | AO GND |
| AO2 | 45 | 46 | AO GND |
| AO1 | 47 | 48 | AO GND |
| AO0 | 49 | 50 | AI GND |

Figure 9. Pinout of I/O Connector J7, Analog I/O

Internet | Protected Mode: Off 100%





Connect the Left Channel of the PreAmp TRS (Tip/Ring/Sleeve) AI0+(blk)/AI0-(white)/AIGnd (sleeve) on Pins J7.2/3/6. Connect the Right Channel and AI1+(blk)/AI1-(white)/AIGnd(sleeve) on Pins J7.5/4/6. AI0- and AI1- are called AI8 and AI9 in the table above. Plug in ribbon cable to J7 – pin 1 toward the edge of the board.



