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NATIONAL INSTRUMENTS NI USB-621 Series Device Labels Instructions

Contents

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Product Information: USB-6216

The USB-6216 is a data acquisition device manufactured by National Instruments. It is a multifunction I/O device that provides analog input, analog output, digital I/O, and counter/timer functionality. It has a 16-bit resolution and a maximum sampling rate of 250 kS/s. The USB-6216 is designed to work with USB connectivity and is compatible with Windows and Mac operating systems.

Device Labels
The NI USB-621x Accessory Kit comes with four combicon connectors with screws, a screwdriver, and additional signal labels. The kit includes device labels for all models in the USB-621x series, including the USB-6210, USB-6211, USB-6212, USB-6215, USB-6216, and USB-6218. Each model has a specific part number for its device label, as listed below:

Device Model	Device Label Part Number
USB-6210	195969
USB-6211	195968
USB-6212	198027
USB-6215	195968
USB-6216	198027
USB-6218	195967

You can choose labels with pin numbers, signal names, or blank labels. The correct label for your USB device can be identified using the device label part number in the table above.

Applying Device Labels
To apply a device label, align the correct label with the terminals printed on the top panel of your device or the 16-position combicon connector. The following figure shows the different types of labels and their corresponding terminal numbers:

Once you have aligned the correct label, apply it to the corresponding terminal or connector. This ensures that you are able to easily identify and connect the correct signals to your USB device.

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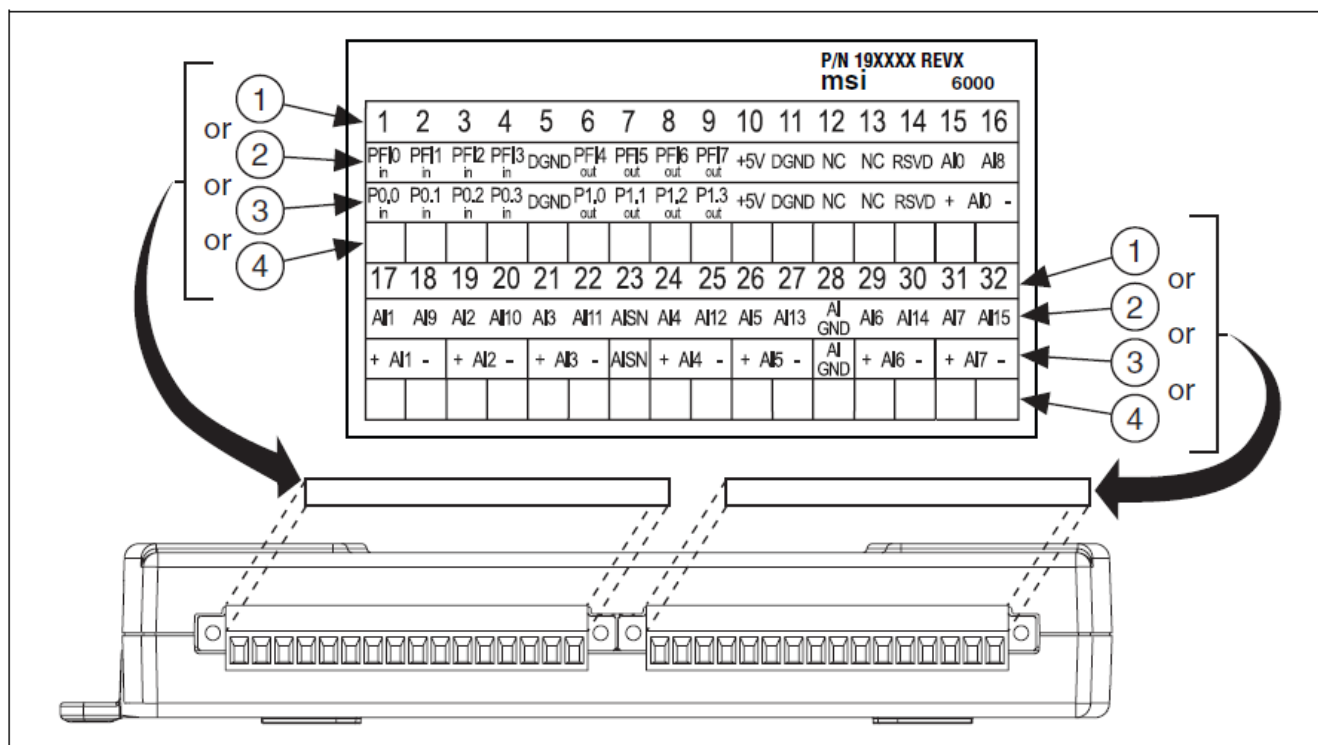Request a Quote **CLICK HERE** USB-6216

NOTE TO USERS

NI USB-621x Device Labels.
The NI USB-621x Accessory Kit contains four combicon connectors with screws, a screwdriver, and additional signal labels. Use the correct label for your USB device.

Device	Label Part Number
USB-6210	195969
USB-6211	195968
USB-6212	198027
USB-6215	195968
USB-6216	198027
USB-6218	195967

P/N 195969A-01 REV2
msi   6000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PFI0 in	PFI1 in	PFI2 in	PFI3 in	DGND	PFI4 out	PFI5 out	PFI6 out	PFI7 out	+5V	DGND	NC	NC	RSVD	AI0	AI8
P0.0 in	P0.1 in	P0.2 in	P0.3 in	DGND	P1.0 out	P1.1 out	P1.2 out	P1.3 out	+5V	DGND	NC	NC	RSVD	+ AI0	-

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
AI1	AI9	AI2	AI10	AI3	AI11	AISN	AI4	AI12	AI5	AI13	AI GND	AI6	AI14	AI7	AI15
+ AI1 -		+ AI2 -		+ AI3 -		AISN	+ AI4 -		+ AI5 -		AI GND	+ AI6 -		+ AI7 -	

You can choose labels with pin numbers or signal names, or blank labels. Choose one of the labels, align the correct label with the terminals printed on the top panel of your device or the 16-position combicon connector, and apply the label, as shown in the following figure.

P/N 19XXXX REVX
msi   6000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PFI0 in	PFI1 in	PFI2 in	PFI3 in	DGND	PFI4 out	PFI5 out	PFI6 out	PFI7 out	+5V	DGND	NC	NC	RSVD	AI0	AI8
P0.0 in	P0.1 in	P0.2 in	P0.3 in	DGND	P1.0 out	P1.1 out	P1.2 out	P1.3 out	+5V	DGND	NC	NC	RSVD	+ AI0	-

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
AI1	AI9	AI2	AI10	AI3	AI11	AISN	AI4	AI12	AI5	AI13	AI GND	AI6	AI14	AI7	AI15
+ AI1 -		+ AI2 -		+ AI3 -		AISN	+ AI4 -		+ AI5 -		AI GND	+ AI6 -		+ AI7 -	

1. Terminal Number Label

2. Single-Ended Signal Name Label

3. Differential Signal Name Label

4. User-Defined Custom Label

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Documents / Resources

	NATIONAL INSTRUMENTS NI USB-621 Series Device Labels [pdf] Instructions USB-6210, USB-6211, USB-6212, USB-6215, USB-6216, USB-6218, NI-6210, NI-6211, NI-6212, NI-6215, NI-6216, NI-6218, DAQ-6210, DAQ-6211, DAQ-6212, DAQ-6215, DAQ-6216, DAQ-6218, NI USB-621 Series Device Labels, NI USB-621 Series, Device Labels

References

- **ni** **Engineer Ambitiously - NI**
- **ni** **Legal Information - NI**
- **ni** **National Instruments Patents - NI**
- **/W** **USB-6216 National Instruments Multifunction I/O Device | Apex Waves**

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