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DAQ Board Accessories Rack-Mount Kit

This guide describes how to assemble the rack-mount hardware for the AMUX-64T analog multiplexer board and the SC-205X, SC-206X, SC-207X, and BNG208X Series signal conditioning boards in a standard 19-in. rack-mount cabinet.

Introduction

There are four versions of the rack-mount kit—single- and double-height kits with an acrylic plastic cover, and single- and double-height kits with a metal wraparound cover. The metal wraparound cover kits are ideal for high-voltage applications. However, we do not recommend the metal wraparound cover kits for use with the BNC-208X Series boards.

What You Need to Get Started

You will need the following parts from your DAQ board accessories rack-mount kit, depending on the version you have:

Plexiglas cover kit

| Item | Component | Quantity |
|------|---|----------|
| 2 4 | Cover, rack-mount, Plexiglas Washer, flat, #4, nylon | 1 4 |

Metal wraparound cover kit

| Item | Component | Quantity |
|------|-------------------------------------|----------|
| 2 | Cover, rack-mount, metal wraparound | 1 |
| 4 | Washer, flat, #4, SS | 4 |

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Double-height kits

| e 1 |
|-----|
| 2 |
| |

You will also need the following items from your kit, regardless of which version you have. All of the DAQ board accessories rack-mount kits have the following items:

| Item | Component | Quantity |
|------|--|----------|
| 1 | Bracket, rack-mount, 5.25 in., type DA | 1 |
| 3 | Screw, 4-40 x 1/4, PHN, SS | 4 |
| 7 | Foot, rubber adhesive | 4 |
| | DAQ Board Accessories Rack-Mount Kit | 1 |
| | Installation Guide | |

In addition, you will need:

- 1-point Phillips-head screwdriver for assembling the rack-mount kit
- flathead screwdriver for installing the kit into a cabinet



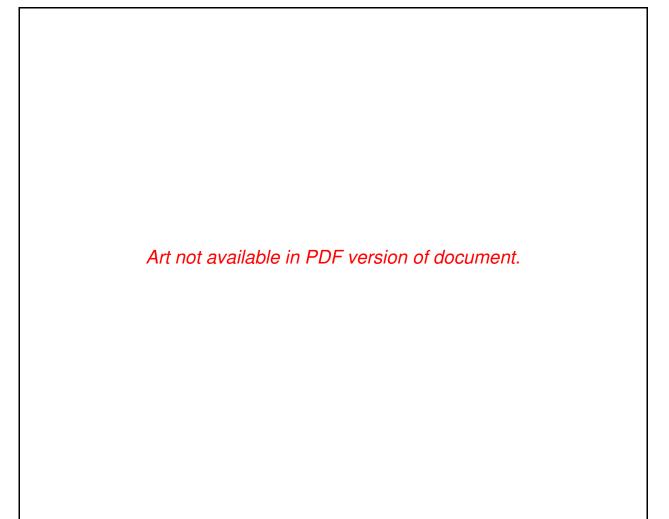
circuit card assemblies.

Mounting Space

The following table shows how much space each accessory requires in a single-height rack-mount kit. Three SC-205X (except for the SC-2054) or SC-206X boards fit into one rack-mount kit. You can mix SC Series accessories in one rack-mount kit. For example, you can use one SC-2051 with two SC-206X units, or one SC-2051 with one SC-207X.

| Accessory | Width Required |
|------------------------------------|----------------|
| AMUX-64T | Two-thirds |
| SC-2050, SC-2051, SC-2052, SC-2053 | One-third |
| SC-2054 | One-half |
| SC-206X Series | One-third |
| SC-207X Series | One-half |
| BNC-208X Series | One-half |

Installation Procedure



Refer to the preceding figure and perform the following steps:

- 1. Attach the rubber adhesive feet (item 7) onto the bottom of the rack-mount bracket (item 1).
- 2. If you are building a double-height kit, install the support brackets (item 5) using the 6-32 x 1/4 screws (item 6).
- 3. Install the circuit card assemblies. You purchase the assemblies separately. Mounting screws and hardware are supplied with the assemblies.
- 4. Install the cover (item 2) using the 4-40 x 1/4 screws (item 3) and the #4 flat washer (item 4).
- 5. Place the completed rack-mount kit into a standard 19-in. rack-mount cabinet and secure the assembly.