

Overview

The PX2 is a two-channel, 16-bit D/A and A/D module that installs in the PD1. Up to two PX2s can be installed in each PD1. The PX2s piggyback on the PX1 Analog I/O Control Module, which is connected to the eight front-panel ADC and DAC BNCs.

This Tech Note details how to install a PX2 in a system that already has one PX2 installed.

Handling Electronic Circuits

Your PX2 will come carefully packaged in electrostatic resistive packaging. Unpack it carefully.



Important! To prevent damage from electrostatic discharge, wear a grounding strap or firmly touch a grounded metal object before handling the PX2 or PD1.

Installation Instructions

1. Remove the PD1 from its XB1 caddie.

PD1 removal is similar to that of other modules. Lift up to disengage the PD1 from the XBUS sockets (see “System II Installation and Reference Guide,” 2nd ed., for details). Then alternately tilt back and forward while pulling the module out to clear the remaining PD1 circuit boards from the XB1 caddie.

2. Locate the PX1/PX2.

These circuit boards lie behind the ADC and DAC BNCs.

3. Remove the four nuts from the standoffs on the back of the first PX2.

4. Attach the new PX2 to the back of the installed PX2.

Orient the circuit board the same as the existing PX2, with PX2 components facing the front.

Engage all the pins of the connector between the two PX2s.

Make sure that the insulators remain in place between the center standoffs and the PX2 circuit board.

5. Fasten the four nuts back onto the standoffs.
6. Inspect the top of the PD1 circuit boards to make sure that no socketed chips have been bumped loose during PD1 removal or handling.

7. Re-install the PD1 in the XB1 caddie.

Your PD1 will automatically detect the presence of the second PX2.