



Application Note: PC31

DATE: April 17, 1997
TO: All PC31 Users
FROM: II Technical Staff
RE: PC31 Power Supply Requirements
CC:

This application note details the power supply requirements of the PC31 DSP board. This information is useful in sizing the system power supply in embedded applications.

The PC31 requires three supplies: +5V (5.0V +/-2%), +V (12.0V +/-2%), and -V (-12.0V +/-2%). All voltages are measured relative to the GND on the PC31.

Two sets of current measurements for the supplies are given below. These two measurements were taken under two different operating situations: the quiescent data was taken just after power-on (talker program running but not interacting with TERM), while the typical data was taken as the worst case current draw for each supply while running the TEST program under TERM (since processor activity can greatly effect the supply current requirements, the VCC current draw varies from 650mA to 850mA during the various stages of TEST).

<u>Supply</u>	<u>+5V</u>	<u>+V</u>	<u>-V</u>
Voltage (V)	5.04	12.00	-12.00
Quiescent current (mA)	650	80	140
Typical current (mA)	850	80	140