

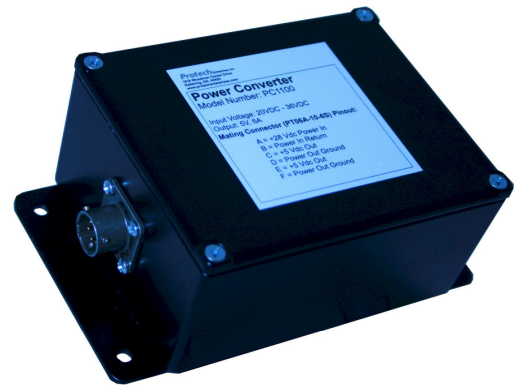
Overview

The +28 VDC bus is one of the most used voltages for critical low power airborne applications. However, the user must be concerned with transients, spikes, recovery in power fail, and electromagnetic interferences. ProTech has developed a low cost solution that will meet our customer's needs and concerns. The Model PC1100 Power Converter was designed to meet the stringent International DO-160 standard (Environmental Conditions and Test Procedures for Airborne Equipment).

This small lightweight power converter is housed in a rugged and easy to install box that is perfect for a quick installation in a confined location. This design has been utilized in both military and commercial airborne applications and is available to solve your technical issues today.

Power Converter Features

- ✓ Input Voltage: 18 VDC to 36 VDC
- ✓ Output Voltage: +5 VDC at 6.0 A
- ✓ Outer Dimensions (without connector):
 - 4.688" (L) x 3.688" (W) x 2.218" (D)
- ✓ Designed to meet DO-160B:
 - Surge Protection: 80 VDC surge for 100 msec
 - Spike Protection to 600 VDC
 - Built-in Overcurrent Protection



Connectors

- ✓ PT02A-10-6P (Chassis)
- ✓ PT06A-10-6S (Plug) – Not Included
- ✓ Pinout:
 - A = +28 VDC Power In
 - B = +28 VDC Return
 - C = +5 VDC Out
 - D = Ground
 - E = +5 VDC Out
 - F = Ground

Note: Separate +5 VDC outputs are provided, but are not required. Either +5 VDC output will provide power at maximum current.

ProTech Enterprises has over 20 years of experience with developing complex military and commercial avionics. Please contact us if you have an application that requires a unique design. We would be happy to assist you!