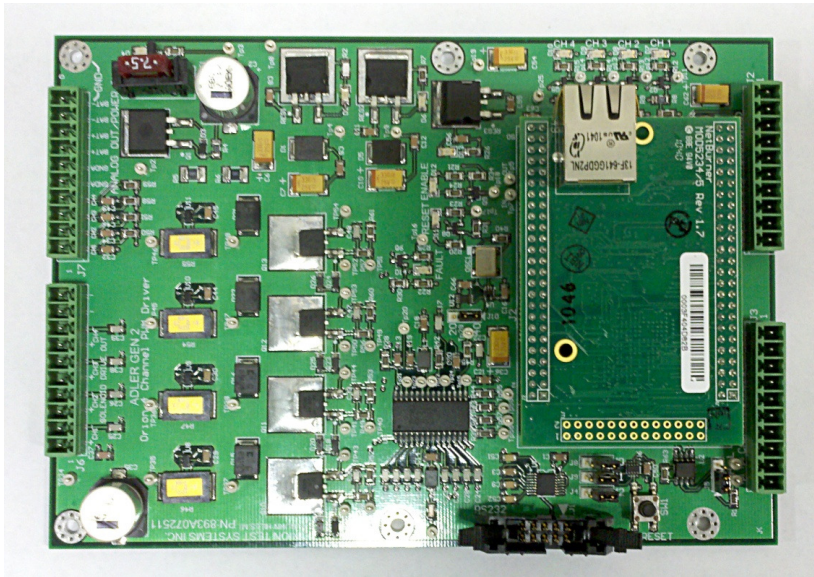




Adler Driver Board Gen 2

The Adler Driver Board Gen 2 incorporates an Embedded MPU that interfaces with the Infineon TLE724-2G - 4 Channel Fixed Frequency Constant Current Control IC and provides 4 separate channel outputs to control inductive loads with individual programmable profiles for each channel.



Features:

- Optocoupled Input (Contact Closure) Used to Start Profiles
- Remote Channel LED indicators
- Remote Enable Out and Remote Reset Out indication for Infineon TLE724-2G
- Remote Fault LED indicator
- 4 separate 1.2 Amps Outputs
- 4 separate current sense Outputs (Full Scale Voltage: 4Vdc:1Amp out)
- Remote MPU Reset (Contact Closure)
- Individual Channel Programmable Profiles using CAN Dithered PWM Driver Protocol v2.x

Specifications:

Electronic Control Circuitry

- Netburner MOD5234 MPU running at 147.5Mhz
- Infineon TLE724-2G - 4 Channel Fixed Frequency Constant Current Control IC with selectable 20/40 Mhz Clock Rate

Physical Characteristics

- Dimensions: 6-1/4" x 4-3/4"

Environmental Characteristics

- Operating Temperature: -40° C to 85° C
- Humidity Range (Non-Condensing) 0 to 95% RH

Power Requirements

- DC Input Voltage: 9-16 Vdc,
- Operating current (No Load): 350ma

Communications:

- Control over RS-232 using Netburner Terminal Application (Mtty.exe)
- Control over CAN using Dithered PWM Driver Protocol v2.x

Diagnostic Application:

- Orion Adler Driver Diagnostics Tool with LabVIEW drivers