

ENDZONE *mobile*

Portable Driver Board System



System Overview

Key Features

PSU

- 6 programmable PSU
- 150W PSU modules
- PSU sequencing / soft starts
- Voltage monitoring
- Current monitoring

Drivers

- 64 programmable patterns
- 0.8V-16V drive voltages
- 400mA Drive currents
- 256K pattern depth
- 8 loops with 8-bit counters

Interface to HTOL or HAST Chamber



□ Overview

The Abrel Endzone Mobile Driver board system is a flexible PSU and Clock pattern driver. The system is designed to provide a mobile driver interface to a qualification system (HAST / HTOL). The system has a basic configuration of 1 driver board, which can be expanded to a maximum of 10 driver boards.

□ Chamber Interface

Abrel can provide a number of docking options to interface the unit to the burn-in rack. The system operates as a stand-alone unit with PC control for PSU, Clocks, data-logging, and monitoring. A built-in protocol interfaces with the chamber controller to set-up temperature, humidity and pressure.

□ Applications

- HTOL Testing
- HAST / THB Testing
- PTC Testing
- Device Qualification

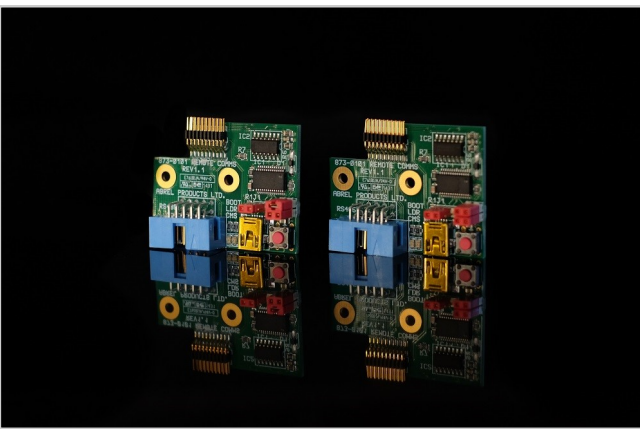
□ Main Features

- Standalone Driver System
- 1~10 drivers - user defined
- Rack Interface
- Device Qualification
- Single or Zoned board programming
- Monitoring and Data logging
- High voltage PSU options
- Remote system access

Summary System Specifications

System Overview

1-10 Driver positions (User Defined)
 Pattern generator module (1:1 Driver / BIB ratio)
 Programmable PSU module
 Monitoring and data-logging
 PC control with Endzone software
 Team Viewer remote access
 Custom BI system interfaces



System Configuration

Universal Driver Board
 6 x PSU programmable modules per driver
 2 x 32 I/O CLK modules per driver
 2 x FPGA control modules per driver
 64 I/O expansion module per driver

PSU Modules

0-100V range capability
 Up to 150W per module
 Over and undervoltage monitoring
 Over current monitoring
 External PSU control modules
 1KV applications
 6 Modules per driver
 Plug and Play installation

Clock Module

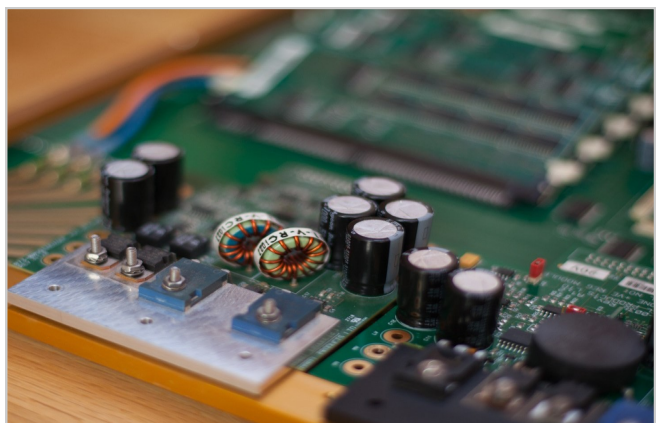
32 CLK I/O lines per module
 Maximum pattern frequency 20Mhz
 256k min pattern depth
 Drive voltage 0.8V to 16V
 Drive current 400mA
 High / Low and Tri-State bit settings
 8x8bit loop counters

Expansion Modules

Function Modules (Sine Wave)
 SPI data analysis
 Leakage current monitoring
 Endurance testing
 i-socket high power testing
 i°C testing
 Current Measurement

Software

Windows based software suite
 Temperature control and profiling
 PSU setup and sequencing
 Pattern generation
 Monitoring and readback
 Remote Access
 BIB code filtering
 Data base management



Abrel Products

Raheen Business Park
 Limerick
 Rep of Ireland

Tel: +353 61 304566
 Fax: +353 61 304567
 Email: info@abrel.com
 Web <http://www.abrel.com>