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 setup 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

- **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
  - i²C 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

- **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

---

**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