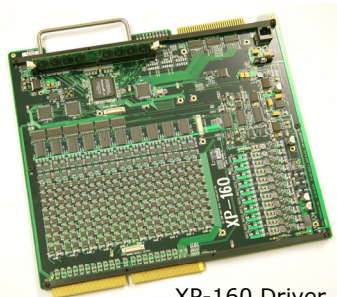




56 slot System



XP-160 Driver



Compact Cube



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# INSPIRE XP-160 System

## 4:1 - Bulk Power Supplies

The Inspire Burn-in System is mainly used for testing digital IC's. Every slot provides 96+ drive, 64 monitor channels, and 4 power supplies. This system supports Incal 160 style BIB. The standard oven is a 56 slot system, but other options as well as Prescreen Stations are available.

### BIB Format

- 12.32"W x 23.85"L x 62mil thick
- 50mil spacing, 212 pin edge finger for signaling (drive/monitor)
- 156mil edge fingers for power supplies (60A current)
- 96 drive & 64 monitoring channels
- 16-bit BIB ID
- Supports iSocket requirements

### 4:1 Architecture

- One Driver for 4 BIB
- Only 14 drivers for 56 slot system
- Reduces system cost
- INCAL SST Backplanes
- Pass Marker allows driver to sample on one BIB for entire pattern length for effective monitoring

### 160 Drive & Monitor

- Reliable Burn-in driver
- 25Mhz with 16Meg depth
- VOH: 0.5V to 5.5V
- Drive shorts monitoring
- 4-point Clock Skew/ RZ formatting on all channels
- Four types of monitoring available on all channels
- Opt Module: 16 analog channels

### Inspire Application

- Runs natively on Windows 2K/XP
- Application controls/ monitors all aspect of Burn-in
- Recipe/Pattern Editors
- Built-in Logger for system events, temperature and lots
- Programmable logging interval
- GUI logic analyzer
- Color-coded fail monitoring

### Power Sources

- Up to 16 Power Supplies controlled and Monitored
- Many zoning schemes available
- Positive or negative voltage
- Sequencing and delays
- Under/Over Voltage shutdown
- Many power supplies to choose GPIB or LXI
- Slot current monitoring

### System Configurations

#### Chambers:

- **HTOL** (56 slot, 75°C to 155°C)
- **LTOL** (POTC) (24 slot, -55°C to 155°C)
- **Dual Stack** (8 Slot (x2), 75°C to 155°C) *Multi Chamber*

#### Prescreen Bench Options:

- Full Bench w/Fixture
- Compact Cube w/Fixture