



HPB-5 Features

- Individual temperature control for each device under test up to 35 Watts.
- Tests devices at a maximum temperature of 150°C.
- Up to 128 digital I/O channels per burn-in board.
- 11 programmable voltage regulators per burn-in board.
- 800 amps of DUT power available per burn-in board.
- System capacity with individual temperature up to 384 devices.
- When individual temperature control is not a requirement, capacity increases based on the size of the devices.

당사는 IT기술에 기반한 BT,NT,MT 기술을 융합, 접목하여 획기적인 서비스를 개발하고,반도체 테스트 및 유틸리티 산업의 발전을 도모하며 이분야의 선도기업으로 도약 할 것을 약속 드립니다.

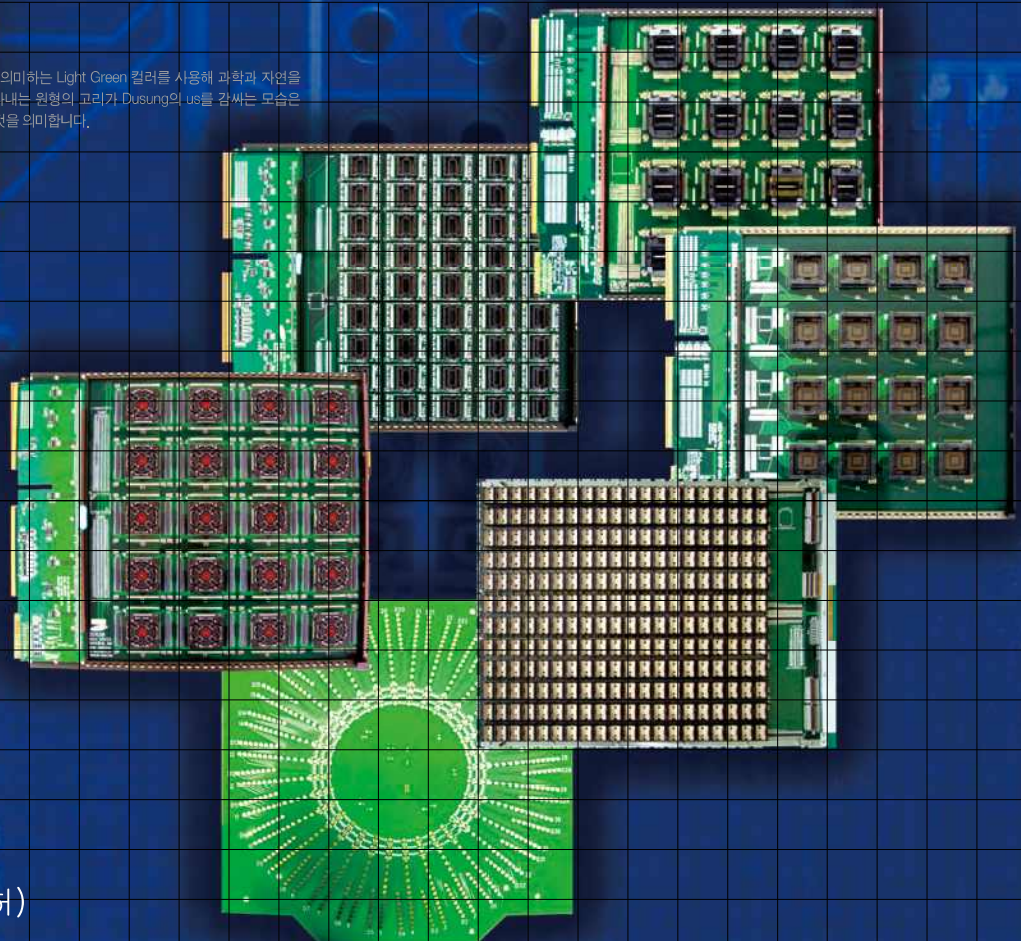
Dusung

technology

<http://www.du-sung.com>

의미

(주)두성기술 Co는 과학과 기술의 집약을 뜻하는 Blue 컬러와 자연을 의미하는 Light Green 컬러를 사용해 과학과 자연을 생각하는 (주)두성기술의 기업아래를 나타내고 있습니다. 지구를 나타내는 원형의 꼬리가 Dusung의 us를 감싸는 모습은 자연과 과학기술이 자연과 과학기술의 중심에 (주)두성기술이 있다는 것을 의미합니다.



■ 주요 핵심 가치

- 1)최고의 제품 지향
- 2)최고의 고객 서비스
- 3)지속적인 자기 계발
- 4)Team Work 실현
- 5)감성적 정직과 신뢰
- 6)정신적인 혁명(연신환허)

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OUR MISSION

DU-SUNG'S primary goal is to become a significant force in the semiconductor burn-in and testing market-place. We will do this by providing quality products through innovative design and quality customer support and service while maintaining a profitable organization.

So DU-SUNG should be grown to a great corporation and recognized as the world best corporation in the field.



OUR COMPANY

DU-SUNG TECHNIC CO., Ltd is a public held business founded in 1994 as a supplying Burn-In equipment and burn-in board for semiconductor industry. We are headquartered in Taejeon city, Korea, with experienced personnel located throughout the Korea to service our customers. Our point value and belief are as below

- | | |
|-------------------------|---------------|
| ◆ Best product | ◆ Team work |
| ◆ Best customer service | ◆ Best effort |
| ◆ Discovery of self | ◆ Honesty |

We have been a representative for Micro Control Company(www.microcontrol.com) in Korea for long time and sold/installed a lot of Micro control's burn-in systems, so we could have extended the market share to 90% in Korea.

- ◆ ABES-IVD logic burn-in system
- ◆ ABES-V logic & memory burn-in system
- ◆ HPB-5A high power burn-in system
- ◆ HPB-5B high power burn-in system
- ◆ HTRB & HTGB burn-in system



(ABES-V)



(HTRB)

Moreover We have manufactured several types burn-in board to meet to Micro Control systems and other style burn-in systems.

For more information, please visit to our homepage (www.du-sung.com)

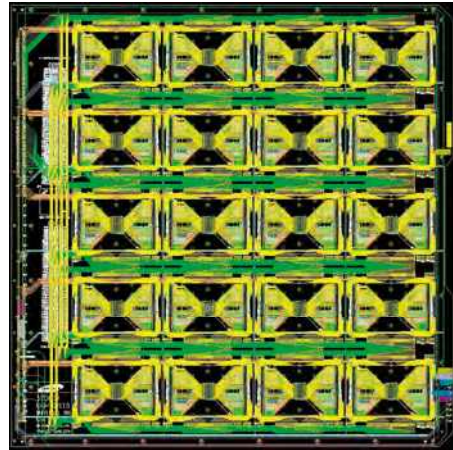
I N N O V A T I O N

BURN-IN BOARD

Extreme temperatures and continual handling quickly wear out poorly manufactured burn-in boards. A poorly manufactured board wastes your time and moneys, thus increasing your costs. We design and manufacture high-quality burn-in boards for new or existing burn-in/environmental systems. Each board is designed to fullfill your burn-in requirements and is constructed according to your specifications. Our boards are built to withstand extreme temperatures and continual handling.

◆ Burn-in board types

- MCC Logic & memory universal Burn-in board
- MCC Logic & memory dedicated Burn-in board
- MCC Logic & memory high speed Burn-in board
- MCC Logic & memory high voltage Burn-in board
- MCC Logic & memory high power Burn-in board
- HTRB & HTGB Burn-in board
- JEC 1300 memory Burn-in board
- JEC 1500 memory Burn-in board
- JEC 1600 memory Burn-in board
- JEC 1700 memory Burn-in board
- Fujita memory Burn-in board
- Other style Burn-in board available



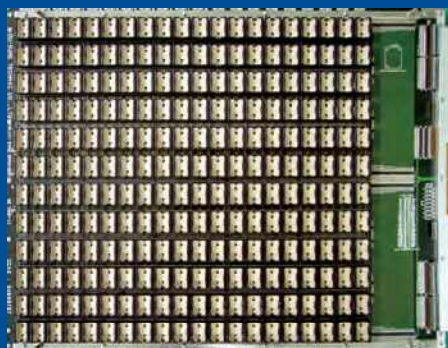
◆ Features

- TSOP, PGA, BGA, UBGA, LGA, and QFP sockets. or special design holders
- -55°C to +150°C temperature range
- Multi-layer boards of 4 to 16 planes
- Loader/unloader compatibility
- Dedicated and universal board designs
- Gold-plated connectors
- Tin-silver wave soldering



◆ Services

- Burn-in board design
- CAD layout
- DUT circuit modeling with simulation software
- Burn-in board prototyping
- Burn-in board assembly
- Burn-in board test
- HTRB & HTGB Board design



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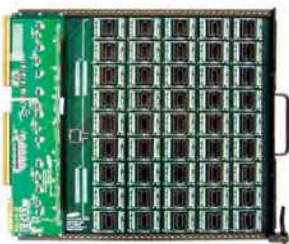
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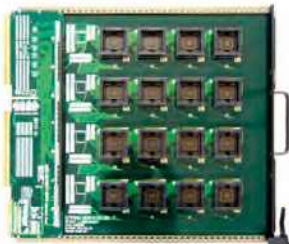
◆ Expertly Designed and Assembled

DU-SUNG burn-in boards are CAD-designed by our skilled engineers and drafters. CAD-designed burn-in boards mean lower costs and shorter lead times for the customer. Computer-generated artwork means a high degree of accuracy in the layout and design of our boards. Each burn-in board is assembled with high-quality materials, such as polyimide-glass laminate, gold-plated edge connectors and tin-lead conductors. You may also specify your choice of materials. A typical double of multi-layer burn-in board withstands temperatures up to +150°C, current handling to 20 amps and has a voltage drop of less than 0.1V across the board. Options available for your burn-in board design include resistor isolation in all socket pins and extensive socket selection.

PRODUCTS



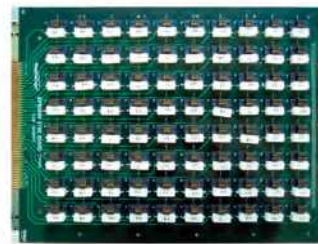
64CLCC HIGH-SPEED BOARD



627PBGA DEDICATED BOARD



436 TCP UNIVERSAL BOARD



HTRB BOARD

◆ Tested for Quality

Fully assembled boards are 100% continuity-tested to ensure that all signal lines are intact and resistive devices are within tolerance. Tolerance are $\pm 1\%$ for low-value (5–100 ohms) series termination resistors and $\pm 2\%$ for higher-value resistive resistors.

In addition, signal integrity is checked to ensure optimum rise times and minimal overshoot, and to ensure that signals adjacent to each other are not shorted. After continuity testing, DU-SUNG's standard burn-in boards are 100% functionally tested using devices appropriate for the board in a prescreen system.

Our burn-in boards are also run through a temperature cycle to eliminate problems that might develop when the board is heated.

All boards are functionally tested again, after the temperature cycle is complete.

◆ Burn-in Board Prototyping

To save your time and money, DU-SUNG offers a prototyping package for all new board designs.

This package ensures that the burn-in board specified will meet your requirements.

Quantity discounts add to the cost-effectiveness of purchasing your boards from DU-SUNG.

Maximize your burn-in efforts by choosing high-quality, long-lasting boards from an expert in the business.

OTHER PRODUCTS

- ◆ HiFix board for T5581/T5365
- ◆ Socket board for T5581/T5365
- ◆ Other style socket Board available
- ◆ HAST,85/85,ESD & LATCH-UP testing Board
- ◆ Burn-in Service
- ◆ HTRB & HTGB system & Board



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