

BARCUDA

Embedded JTAG programming, board test and functional test

- structural and functional test
- high speed programming of electronic assemblies
- handling up to 32 assemblies simultaneously
- fast project change in a few minutes
- flexible MES connection



Technical specifications

Applications

- medium and large production volumes
- testing and programming
- mixed signal boards
- JTAG/Boundary Scan
- parallel panel test

Analog test

- optional extension with analog measurement card
- analog voltage measurement and stimuli
- time evaluation of analog signals and voltages
- signal analysis within mixed signal test

Mechanics

- solid industrial rack
- VPC G12 fixture interface
- interchangeable cassette for bed of nail adapter
- 19" slot for integration of other devices

Functional test

- evaluation of external interfaces
- functional test of application
- calibration of assembly



Digital test

- infrastructure and interconnection test
- RAM and cluster test
- optional extension with hybrid I/O channels
- signal generator and frequency measurement

General parameters

dimensions (H x W x D)	approx. 2000 mm x 600 mm x 800 mm
weight	approx. 200 kg
input voltage	230 V AC / 50 – 60 Hz
power	approx. 2.300 VA
environment	10 °C – 40 °C
pneumatic	optional

Control and mechanics

interface	VPC G12 receiver
adaption	exchange cassettes
contacts	up to 2300 interface contacts
press down	manually

Technical specifications

Hardware

- industrial computer with RAID backup
- LAN switch for hardware control
- HW/SW integrated 19" power supply
- power management for all boards in panel use
- SCANFLEX hardware at Virginia Panel (VPC) interface

Programming

- NOR/NAND Flash programming
- MCU internal programming
- PLD/CPLD programming
- JTAG/Non-JTAG programming
- bad block handling
- programming of dynamic production data, e.g. serial numbers, MAC addresses or data codes

Characteristics

- fast structure test, programming and functional verification in the panel
- user interaction (e.g. start, stop, traffic light etc.) with flexible HMI
- support of all embedded technologies
- global system and application support

Software

- SYSTEM CASCON™ as basis for test development
- intuitive handling with Tester Link Software (TLS)
- online PASS/FAIL statistics during production
- optional module integration such as barcode scanners, MES connection etc.



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