

TestStation™ LH ZTS 121 Solution

Transfer Legacy Z18XX Fixtures & Programs to the Current TestStation Platform

TESTSTATION

Legacy Z18XX to TestStation LH

The TestStation LH ZTS 121 solution allows manufacturers to smoothly transfer legacy Z18XX programs and fixtures to the latest TestStation LH platform.

This solution is designed to help manufacturers preserve their investment in the discontinued Z18XX test system and fixtures, lower their long term support costs, and experience the benefits of the latest in-circuit test technologies that is part of Teradyne's industry leading and award-winning TestStation product family.



Many Successful Conversions!

The TestStation LH ZTS 121 solution consists of a specially configured TestStation LH system with 1024 or 2048 pins (non-multiplexed pure-pin or analog-only pin boards), a specially designed 1024 or 2048 pin Z18XX-to-TSLH fixture adapter that adapts the Z18XX fixture receiver to the TestStation LH receiver interface, and the ZTS translation software that converts Z18XX program files to TestStation program files.

The ZTS solution has been successfully deployed at numerous manufacturing sites to upgrade Z18XX programs for the TestStation LH 121 system. Typical results for a single board was a less than 2 hour program conversion time, less than 5% of components required debug after conversion, and the test throughput was 30-60% faster compared to a typical Z18XX system (one manufacturer was able to replace 3 Z18XX test systems with a single TestStation LH 121 system).

Access the Latest Technology Features

Manufacturers will realize additional benefits from the TestStation LH 121 ZTS solution such as more reliable and accurate analog test measurements, access to the latest generation of Framescan and Boundary Scan test technologies for higher defect coverage, and utilization of the industry's leading digital in-circuit pin with Teradyne's UltraPin II and SafeTest Protection Technologies.

The TestStation LH hardware and software features are scalable so manufacturers can purchase what they need today and easily add additional capabilities later.

FEATURES

- Reuse existing Z18XX Test Fixtures
- Up to 60% faster throughput than Z18XX System
- Typical conversion time less than two hours
- High fault coverage
- Supports multi-plexed & pure pin configurations
- Supports analog only, full digital or mixed pin board types
- Vectorless test, boundary scan and functional test capabilities
- Latest Windows operating system

BENEFITS

- Lower fixture & support costs
- Faster throughput and conversion
- Typical conversion time less than two hours
- More reliable and accurate analog test measurements
- Preserve existing test investment

TERADYNE

TestStation LH ZTS 121 Solution

Comprehensive Fault Detection

All of the powerful test features that make TestStation the industry's most capable in-circuit test solution are available on the TestStation LH including SafeTest protection technologies, UltraPin II driver/sensors, and Framescan FX vectorless test techniques.

Unpowered test capabilities include shorts, vectorless opens, and analog value testing. Powered-up test capabilities include digital device vector testing, reduced access boundary scan testing, high speed FLASH and ISP device programming, frequency and time event measurements, synchronized mixed signal device testing, and functional cluster testing. These tests can be automatically generated using Teradyne's automatic test generation software or manually created using a simple, but powerful test programming language.

System Specifications

- Requires the purchase of the TestStation LH ZTS 121 adapter and conversion software
- High performance analog instrumentation and 8 channel measurement matrix
- All pins utilize parallel drive and sense capability
- High performance digital vector testing
- Standard vacuum interface
- Fixture ID and fixture down switch left/right

Hardware Options	<ul style="list-style-type: none">• 8 high voltage relay drivers (60V @500mA)• 4 low voltage relay drivers (25V @200mA)• 13 TTL drivers and 16 TTL sensors• Requires the choice of an analog only or hybrid non-multiplexed system:<ul style="list-style-type: none">- TSLH 121 (all real pins - max pin count 2048 pins per model)or - A mixture of 121 and analog only pin boards
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System Requirements	<ul style="list-style-type: none">• AC Power<ul style="list-style-type: none">- EUR. 230V/16A - Single Phase- NAM. 220V/16A - 2 Phase• Compressed Air (optional)• Vacuum (optional)• Compact Footprint: 66" x 33.25" x 44.5"
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System Software	<ul style="list-style-type: none">• Windows 7® Support• Test/Debug System Software• Flash ISP• Throughput Optimizer• SafeTest Protection Technologies• Automatic Test Generation Software• Panel Test Software• Variant Handling Software• Full Framescan support
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Power Supply Options

- Flexible Power Supply Package
- Programmable Supplies Designed for Use in Series or Parallel for Higher Voltages or Higher Currents
- Full Z18XX power supply mapping

Choose up to 4 of the following:

Programmable	Alliance 2G; 0-7V @ 15A
Programmable	Alliance 2G; 0-20V @ 8A
Programmable	Alliance 2G; 0-60V @ 2.5A
Fixed	Alliance 2G; +5V @ 6A,



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