



Field Triage System™

Rapid Failed-Device Screening in the Field

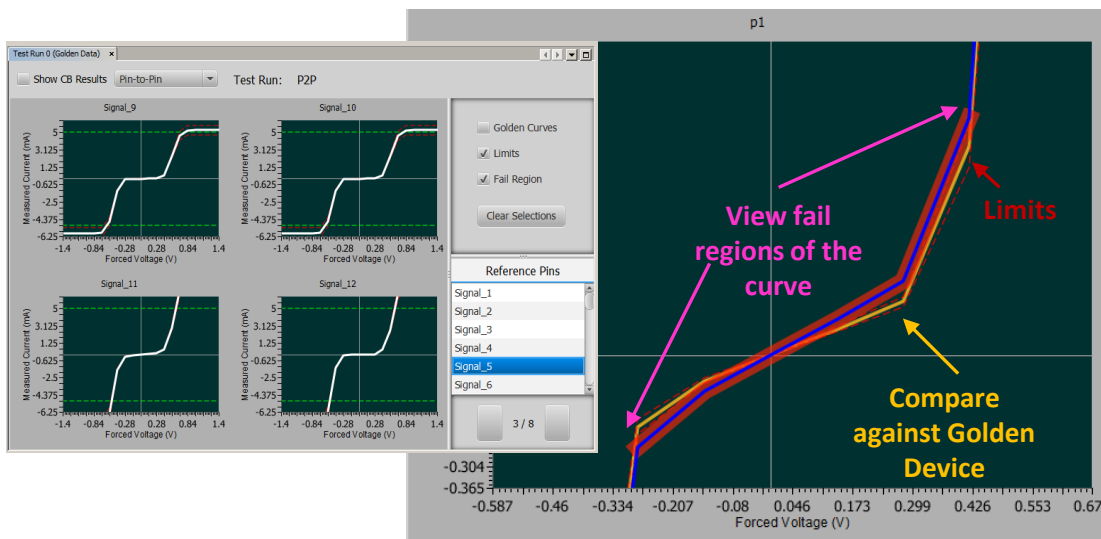
Teseda Field Triage System™ Highlights:

- ◆ Portable lightweight diagnostic system for screening failed devices in remote field locations
- ◆ Designed for remote customer quality engineers working with end-users
- ◆ Provides rapid screening of potential RMAs and reduced volume of field returns
- ◆ Fast and easy curve tracing of semiconductor devices with comparison to Golden Device
- ◆ Data is stored and displayed graphically for each individual DUT pin
- ◆ Automatic report generation for rapid and clear communication internally and with end customers



Key Benefits:

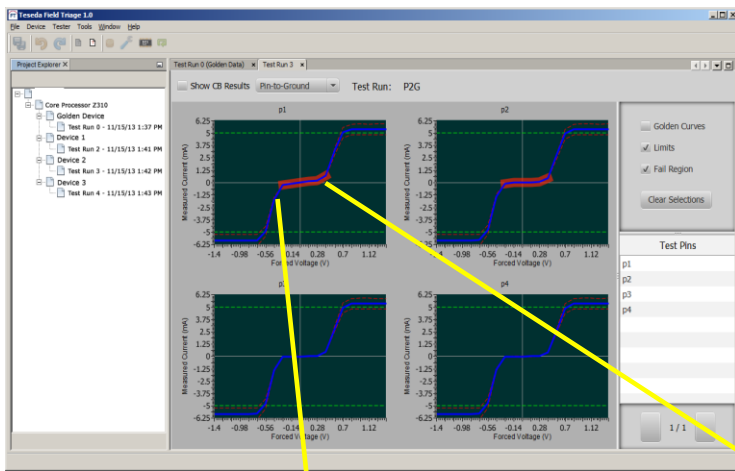
- Simple DC failures can be triaged in field locations without having to be returned to the factory
- Automatic report generation offers rapid and clear communication of results and data to the factory and end customer
- Dramatically improves customer response time and visibility to results
- Provides initial quality feedback to the factory
- Eliminate false alarms, differentiate use versus quality issues
- Immediate response time on RMAs, offload screening from factory FA



Test in the Field, Offload Factory Screening, Eliminate False Alarms

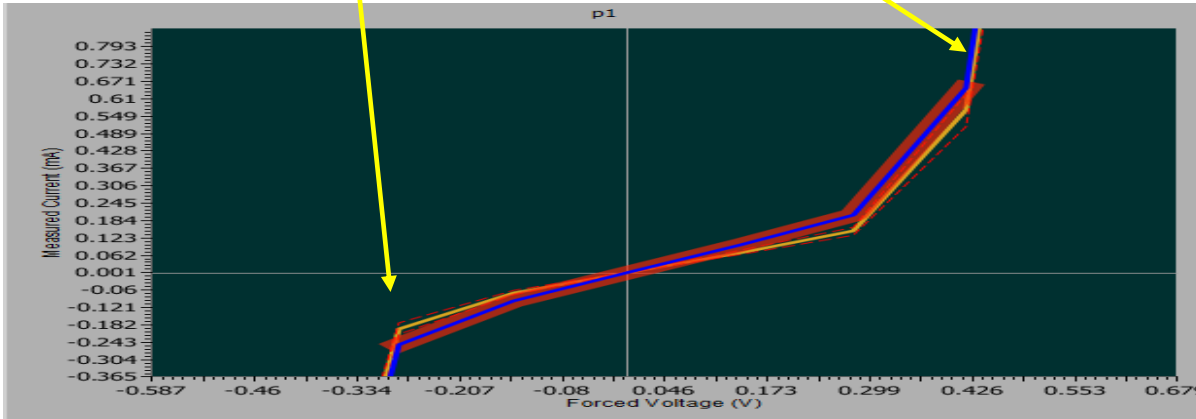
The **Teseda Field Triage System™** operates interactively on **Teseda Diagnostic Hardware™** for immediate response to failing devices in the field. Once a product is in the field or at the customer site, only the devices with the highest quality are intended to be used. However, performance problems do arise which need to be addressed fast with accurate determination that there is an issue.

The end customers of newly built systems want to verify that all the components are of a consistent quality and that they were not damaged during shipment or assembly. These are all potential applications for I/O curve tracing which can provide both a qualitative visual representation and a quantitative measured performance. The **Teseda Field Triage System™** was developed for the front line testing of devices in the field for all these reasons. Response to the customer is now immediate. Eliminate false alarms by differentiation of use versus a real quality issue. Measurement data curves are saved electronically, eliminating manual data recording errors, for documentation and later recall for further analysis.



Teseda Field Triage System™

- Easy and intuitive user interface drives and controls the **Teseda Diagnostic Test Hardware**
- Curve generation settings for quick view (21 measurement points) and high resolution view (51 measurement points)
- All-pins-grounded curve reference to Golden Device
- Performs curve trace on power supply pins
- Observe the overlaid curves of failing pins to Golden Device
- Retain results for multiple devices
- Use existing Teseda test fixtures or **Field Triage Mother Board**



View curves of all pins, select and zoom on details of any pin



Field Triage Mother Board

- High performance mother board designed for the **Teseda Field Triage System™** with all 512 channels routed to a 625 ZIF PGA socket
- ZIF PGA socket with easy insertion and release allows the use of small daughter cards for quick curve tracing
- All power supplies routed to headers for biased curve tracing
- Socket Pin to Tester Channel assignment is visible in the top silkscreen
- Board Dimensions: 15" x 10"
- Teseda Part Number: FTMB.550.FIX
- DTS Part Number: D10-100431-A (www.Dynamic-Test.com)



Diagnostic Test Hardware™

- 512 I/O, 100MHz, 64Mb pattern depth
- Internal Parametric Measurement Board
- Light weight and portable hardware
- 4.0" (10.16cm) H X 15.5" (39.37cm) W X 14.5" (36.83cm) D
- Weight: 13.5 lbs (6.13 kg)

PC Requirements (PC not included)

- Microsoft Windows XP Pro / Windows 7
- Linux
- 2 GHz (minimum)
- 3 GB RAM (minimum)
- 40 GB available disk space
- 10/100 Base-T Ethernet



Teseda Corporation
6915 SW Macadam Ave Suite 245
Portland, Oregon 97219

866 837 3321
503 223 3315
503 223 3316 fax
www.teseda.com