SENTRY – Counterfeit IC Detector

Sentry is a simple yet powerful instrument designed to ensure that your components are what they claim to be !
The detection of counterfeit or fake components has become a priority for all electronics manufacturers and component suppliers but also for any organisation that wishes to assure the quality of their products. Devices can be checked at entry level (goods inwards) or before they are placed / replaced on a board.
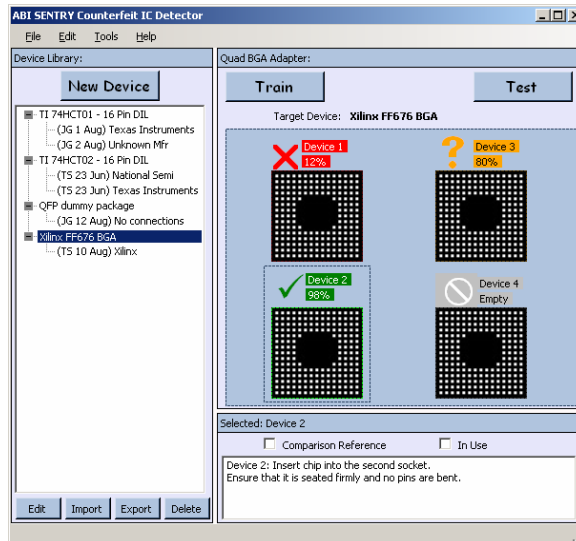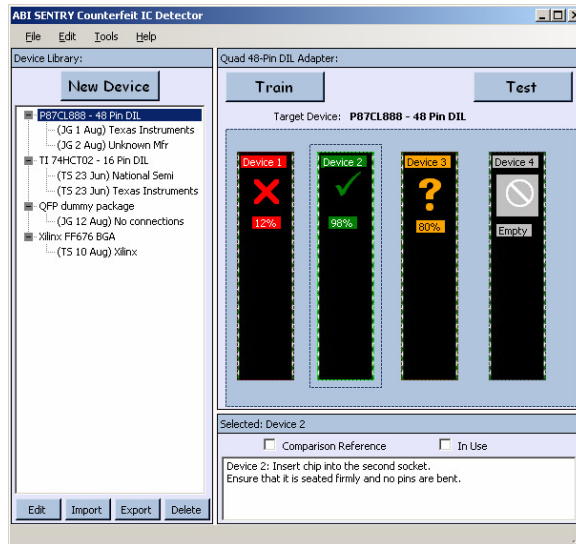
The most common counterfeiting problem is remarked product. The counterfeiter removes the reference from the package and puts on a new one – perhaps a different brand, speed or part number – and passes the semiconductor off to an unwary buyer. In some cases, such as an empty semiconductor package containing no chip inside, the system would fail before it left the factory. In cases where the wrong chip was inserted in systems that were designed for a chip of a different speed or warranted to operate at a wider temperature range, the failure may not occur until the system is deployed.

Sentry is a PC driven product which uses a complex *PinPrint Test Analysis* algorithm to check the validity of parts in seconds. The operation of the system is however straightforward as unqualified personnel can simply relate to the pass or fail results given. For further analysis and traceability, the Sentry software will produce a specialised report which can be sent back to the supplier or manufacturer.

Sentry improves quality by eliminating the costly return of inadequate goods and product re-work but also by increasing customer satisfaction – priceless !

Specifications:

- 128 channels (can be upgraded to 256 channels)
- For packages DIL, SOIC, PLCC, QFP, BGA
- Full library management
- PC Software included with high-speed USB 2.0 interface
- Automated operation under Windows XP or Vista
- Easy installation (up and running in minutes)
- Small footprint for portability
- No training required
- Power input 115/230 VAC 50/60 Hz

<u>"Sentry" Additional Optional extra</u>

Sentry 64 Channel Upgrade Modules for higher pin count devices

<u>Optional extra:</u>
- Please contact ABI Electronics at sales@abielectronics.co.uk for QFP and BGA solutions.