

Thermal Profiling Systems – general information



An incorrect thermal profile in reflow or wave soldering processes is proven to cause failures in both electronic components and printed circuit board assemblies. The most effective way to assess the thermal shock to components and the PCB is to measure the actual on board temperatures as the assembly travels through the soldering machine.

In an industry that places ever-increasing demands on process quality and productivity, along with the emergence of lead free processes, thermal profiling has never been so critical! Circuitmaster Designs provides solutions to process problems with our comprehensive range of temperature profilers. Our range of equipment provides confidence and control over reflow and wave soldering processes.

Existing or new lead free thermal profiles can be rapidly captured and analysed using powerful software tools, allowing a reduction in rework cost, production costs and machine downtime as well as increased process traceability on all key process parameters.

A range of Thermal Profiler Data Logger Systems are available:

- 6-Channel thermal profiling data logger "PROfiler"
- 6-Channel thermal profiling data logger "RF PROfiler"
- 9-Channel thermal profiling data logger "Ultraslim"
- 12-Channel thermal profiling data logger "Ultraslim"
- 16-Channel thermal profiling data logger "Ultraslim"
- "PROwave" supported by 6-Channel thermal profiling data logger "RF PROfiler"
- "PROsentry" continuous monitoring system

For more information please contact our sales department.
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