



RETRONIX - IONIC TESTING

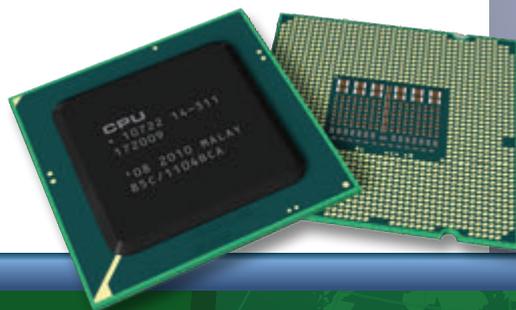
Retronix are considered one of the industry leaders in IC Tests to check faulty, fake or damaged components.

Retronix has several high reliability customers operating in Defence, Aerospace sectors and we are a preferred, trusted service provider to check the authenticity of components before they get into their supply chain and applied on the critical systems.

As part of our commitment to further enhance and offer a complete IC Test solution; Retronix introduces the

IONIC TEST SERVICE

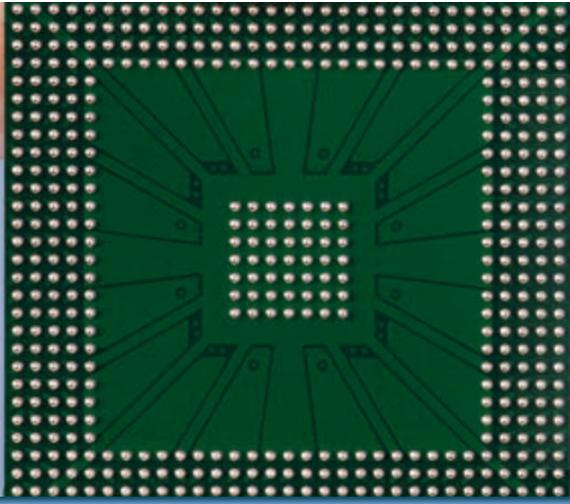
Retronix- IONIC Tester meets the requirements of all international and military specifications (details overleaf)



FOR MORE INFORMATION PLEASE CONTACT US:

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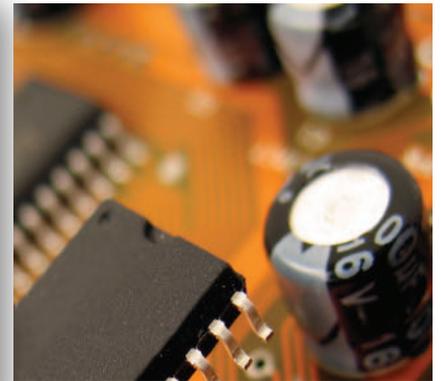
RETRONIX
CONSISTENCY | INNOVATION | QUALITY | PRECISION

What is an IONIC Test? Why is it required?

IONIC TEST - Ionic contamination testing is required as ionic residues remaining from both the PCB manufacturing and the soldering process may affect the reliability of the finished assembly. In humid environments ionic contaminants can lead to problems such as shorting by electrolytic dendrite growth, corrosion that erodes the conductors etc.

It is therefore important to monitor the level of ionic contamination which is a good indicator of the cleanliness and thereby the expected reliability of the assembly.

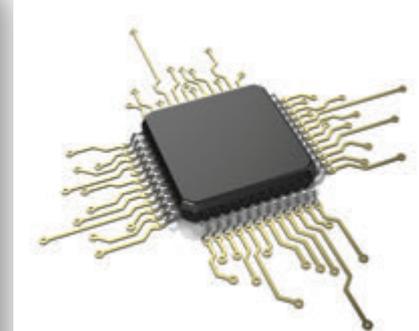
Contact us for more information.



Retronix IONIC Test features

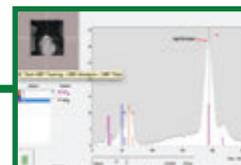
- 1) Ionic contamination is measured by immersing a sample in a test solution to dissolve the contaminants.
- 2) The dissolved ionic substances cause a change in conductivity of the test solution; this change is precisely measured and converted into a contamination value expressed as $\mu\text{g}/\text{cm}^2$ NaCl equivalence.

Retronix will provide a full report which will detail the contamination value, the type of device and the sample size.



Retronix meets all international and military specifications

IPC-J-STD 001E & IPC-TM-650
MIL-STD 2000
MIL-P-28809
DEF standard 00-10/3
IEC specifications



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