

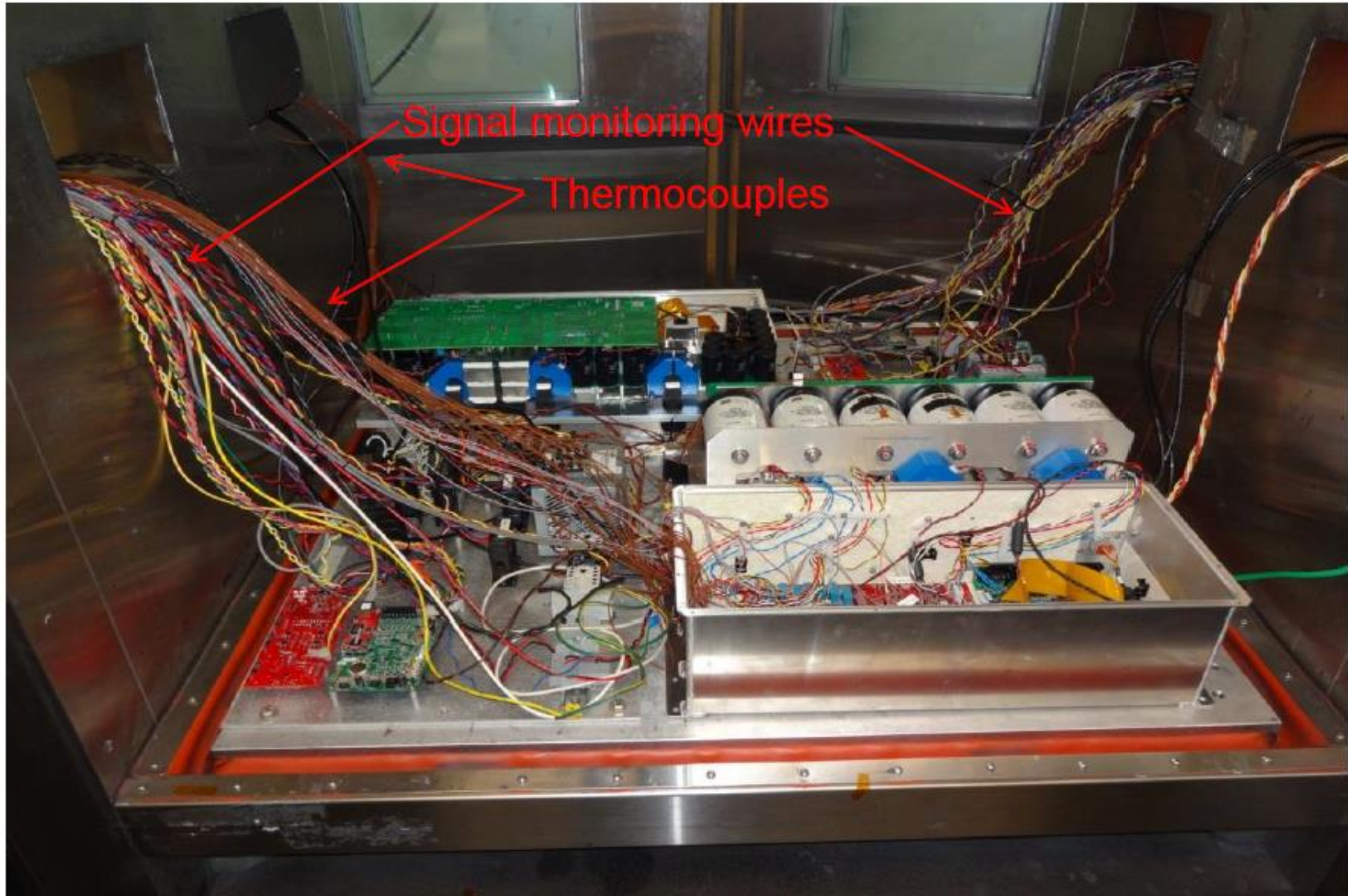


**Electron**  
Test Equipment

Example of  
Highly Accelerated Life Test &  
Finding Failure Points

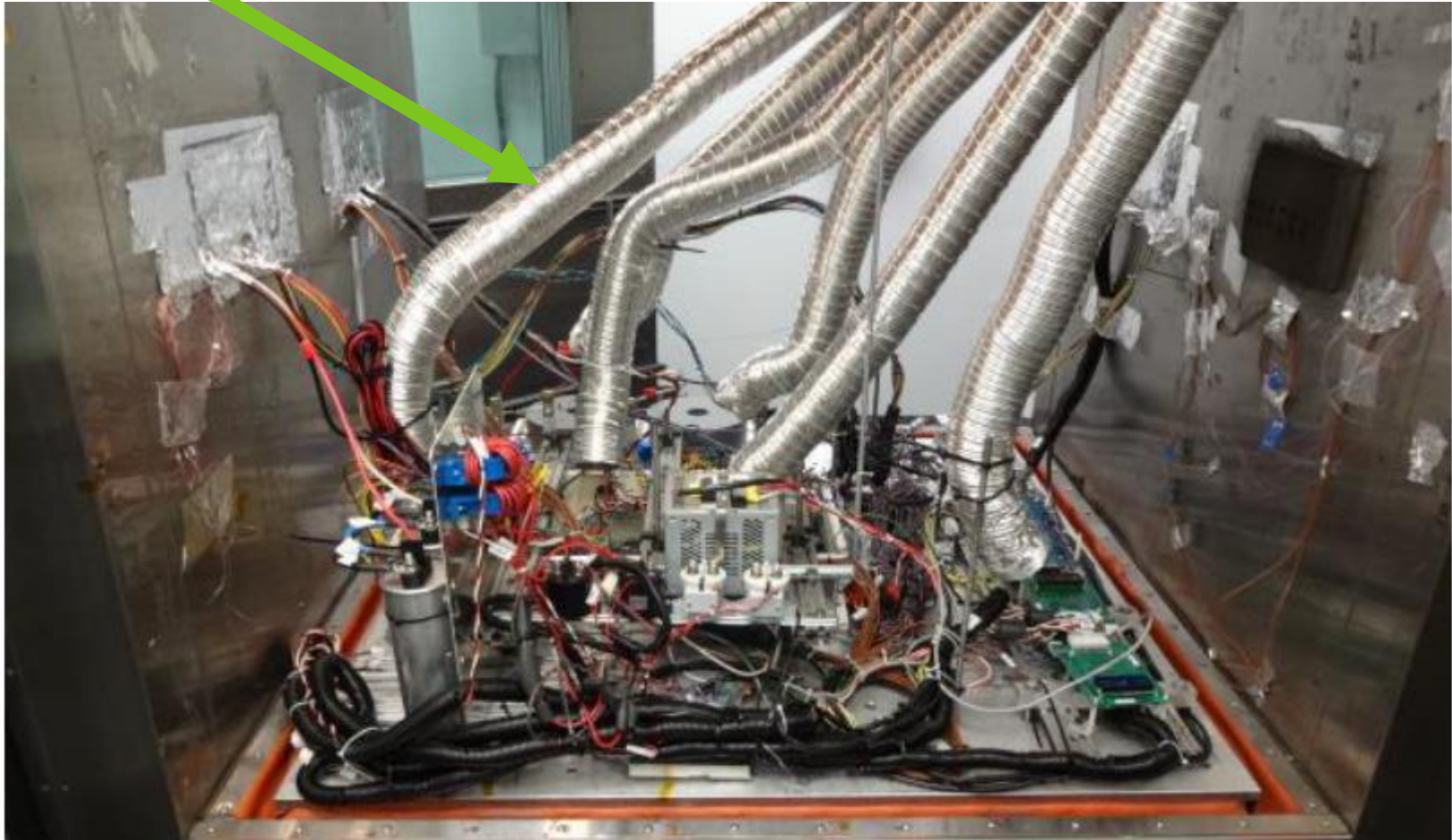
[www.electrontest.com](http://www.electrontest.com)

## Example Setup of Monitoring The System

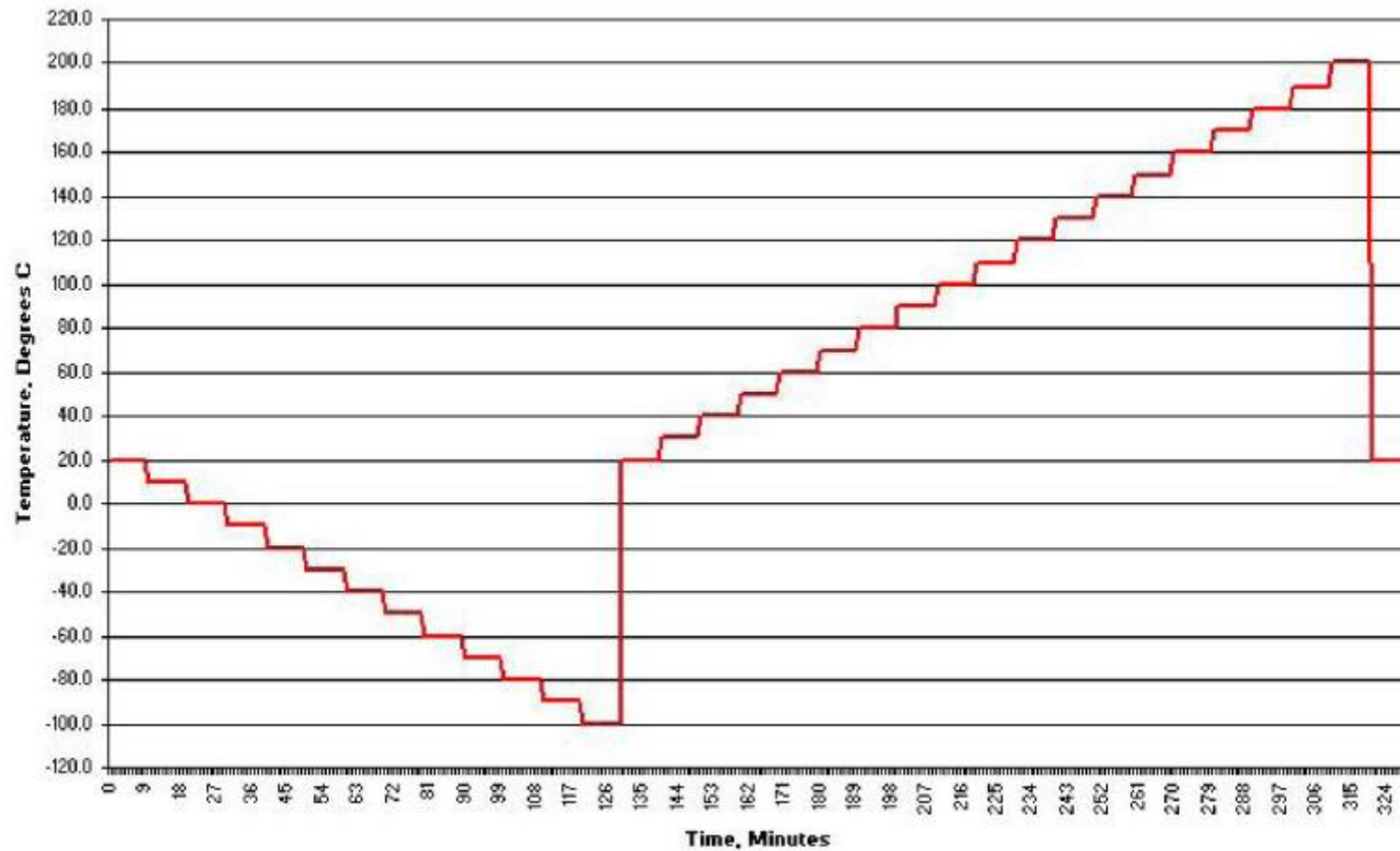




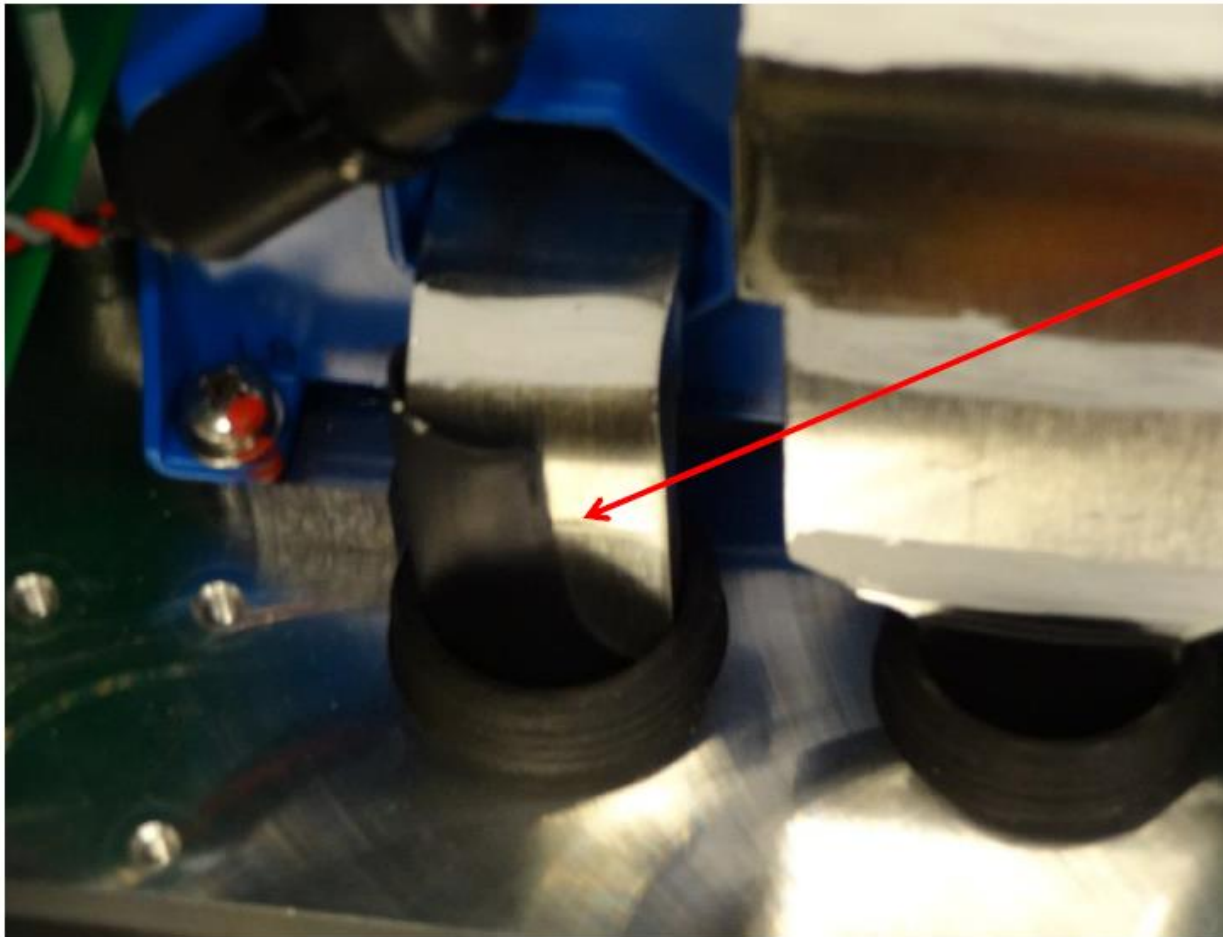
## Example of Adding Heat & Cooling Ducts to Components



# Thermal Step Stress Test

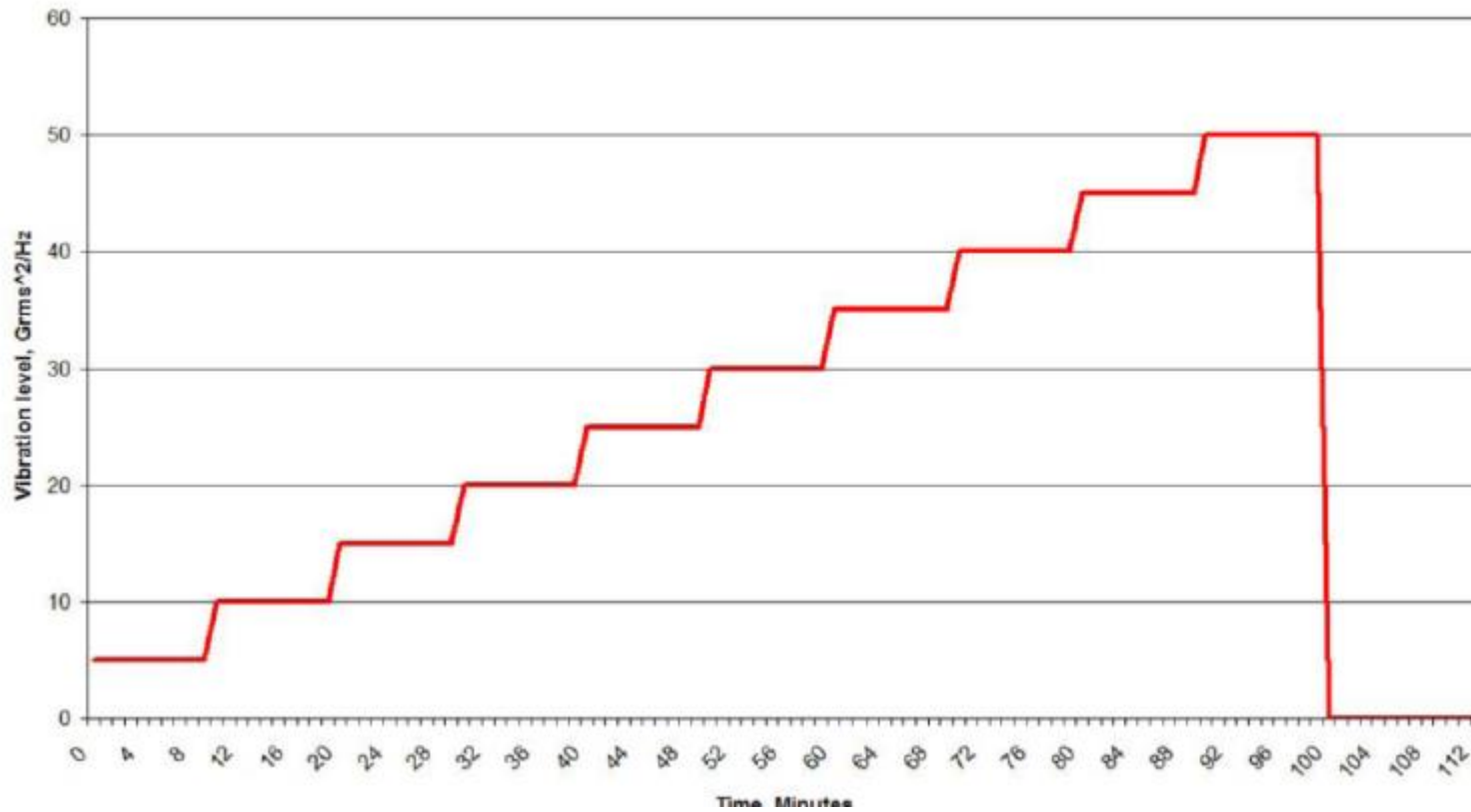


## Temperature Stress: Failure Results



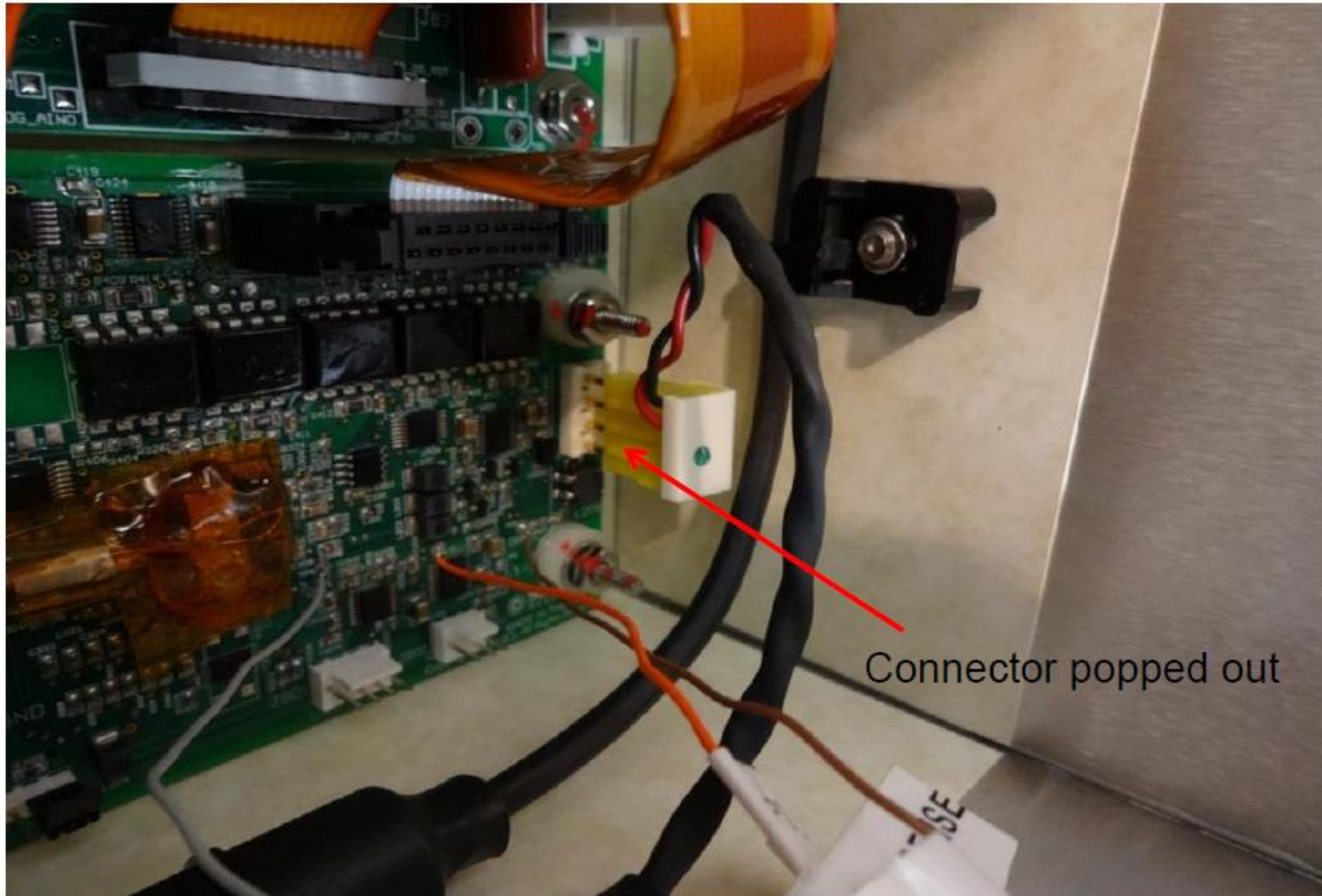
Insulator  
failure

## Vibration Step Test

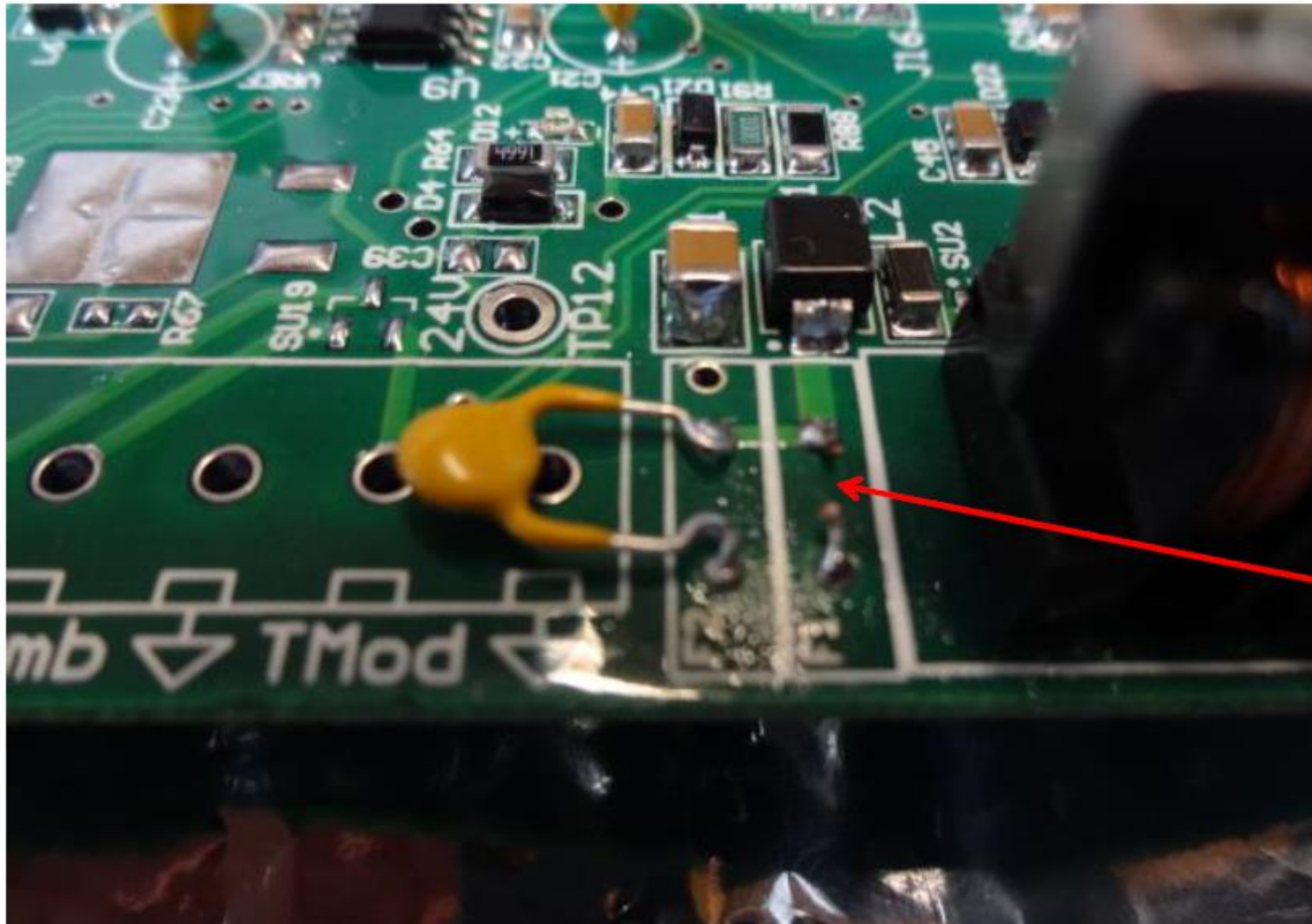




## Vibration Test: Failure Results



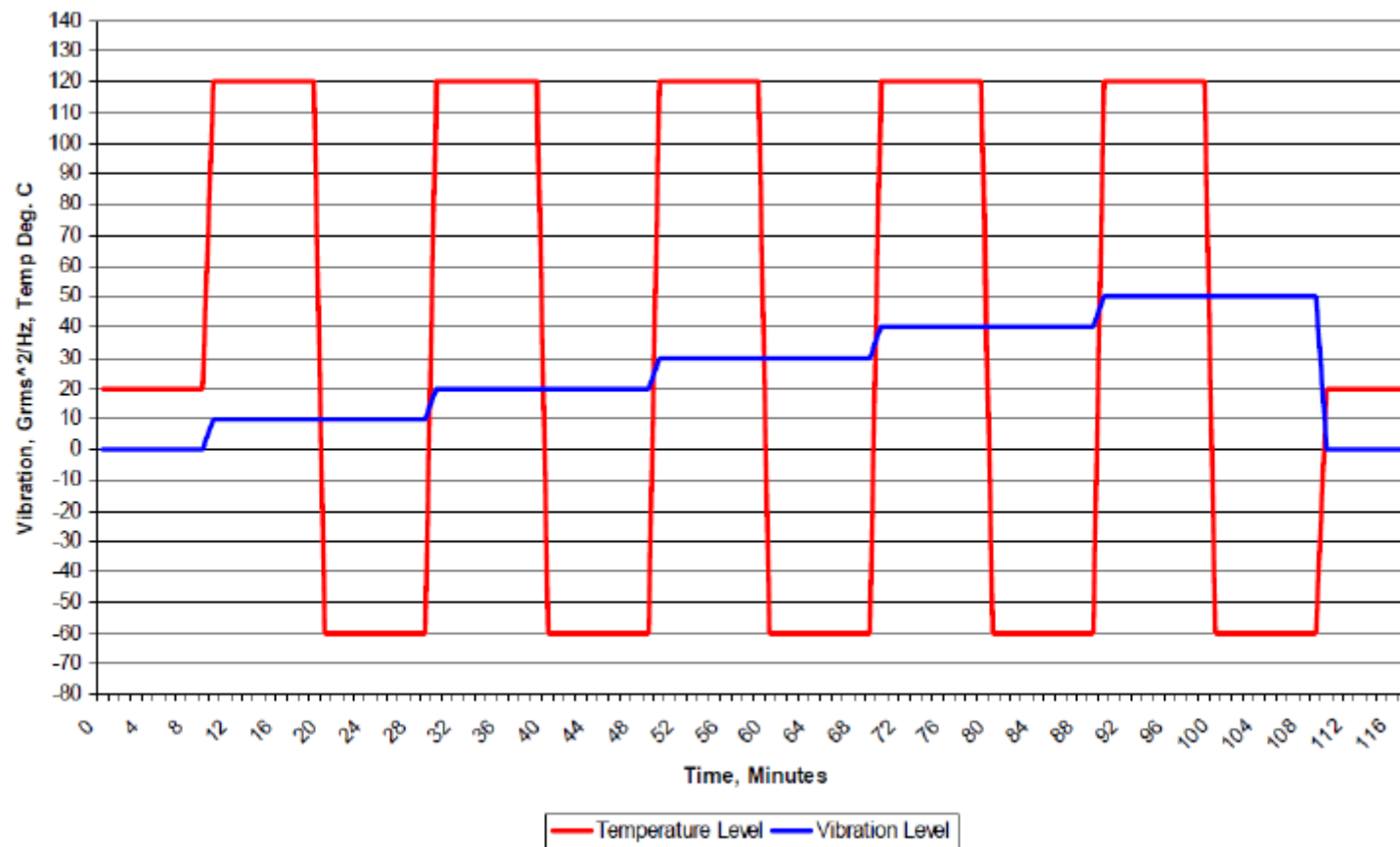
## Vibration Test: Failure Results



Component  
sheared off  
(need to add RTV)



## Combined Temperature & Vibration Step Test



## Combination Test: Failure Results

Cracked  
component



## How We Help With Your Reliability Needs

1. Electron Test Equipment Limited is located in Dublin, Ireland and we manufacture leading-edge **custom test equipment**. We have earned an excellent reputation for our quality and reliability.
2. We also provide **custom reliability testing services** to ensure your semiconductor and optoelectronic devices meet reliability, quality assurance, and compliance standards.
3. We offer full-service solutions for component and electronic assemblies used in industries such as telecom, medical, defense, automotive, and aerospace.

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