

# MARSH INSTRUMENTATION NEWSLETTER

Volume 2008 -02

## **Can't get Obsolete Electronic Assembly or P C Boards replaced or repaired anymore?**

**We can help!**

**Marsh Instrumentation Ltd.** is experienced in:

- Repair of obsolete and non-supported printed circuit boards.
- Reverse engineering of printed circuit boards and assemblies,
- Re-engineering of assemblies,
- Production of replacement electronic PCB assemblies and modules.
- We can copy the obsolete PCB and reproduce it for you.



Reverse Engineering is a general process of analyzing a product to determine how it was designed and how it operates. This information can be used for many purposes, as noted below:

- Manufacturer of product no longer exists or produces a product
- Manufacturer of product no longer support/services a product
- To update obsolete components to current technology –obsolete parts replacement
- Create better design

Benefits of reverse engineered replacement PCB:

- Plug-and –go your new replacement circuit board plugs right into your existing systems
- Repairable-Updated components make your replacement PC board easier to repair with widely available parts
- Upgradeable-we can add functionality, outputs, sensors, or change program slightly to broaden your processing capability
- Cost efficient –extends the working life of your existing machinery

Marsh Instrumentation has the experience, staffing and QA Certification to assist you in all your Repair, Replacement, Reverse Engineering, Prototype Development & PC Board Manufacturing requirements. Offering prompt turnaround, competitive pricing and extensive repair knowledge, Marsh can reduce your equipment costs, extend product life and improve up-time and reliability.

Samples of our work are enclosed. We look forward to assisting you with your requirements!

Learn more by visiting our website: [www.marshinst.com/electronic\\_depot.html](http://www.marshinst.com/electronic_depot.html) ,  
call 905-332-1172 or email: [electronicdepot@marshinst.com](mailto:electronicdepot@marshinst.com)

## MARSH INSTRUMENTATION

*Successfully Serving Ontario's Process, Power & Manufacturing Industries for over 20 Years.*



ISO 9001 -2000



ISO 17025:2005

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CSA Z299.2:1985



ISO 10012 -2003

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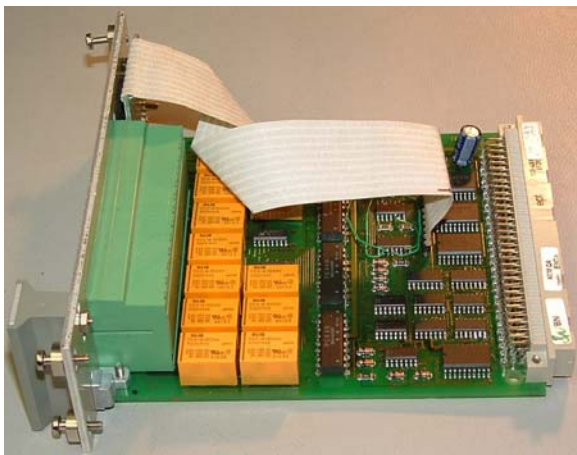
Original PCB



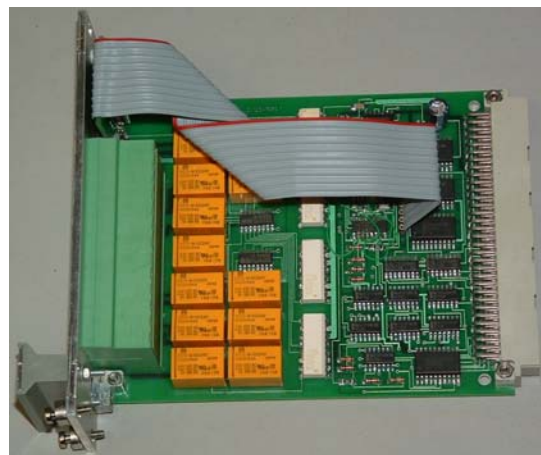
New PCB



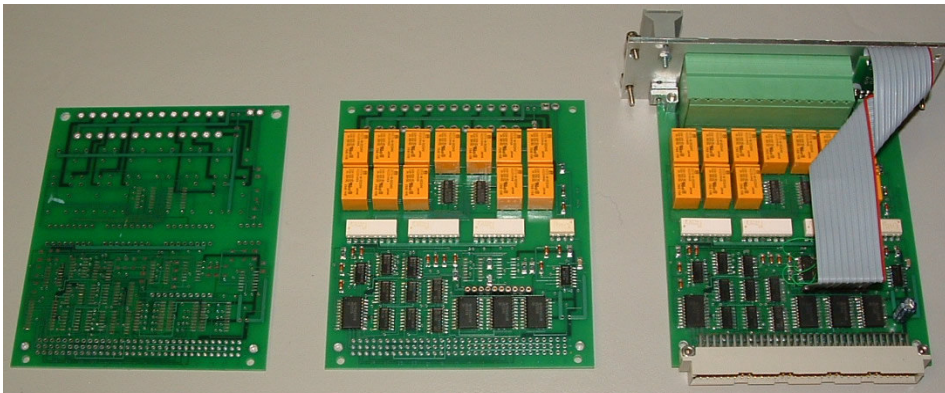
Original Assembly



New Assembly



Our Process



Learn more by visiting our website: [www.marshinst.com/electronic\\_depot.html](http://www.marshinst.com/electronic_depot.html) ,  
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