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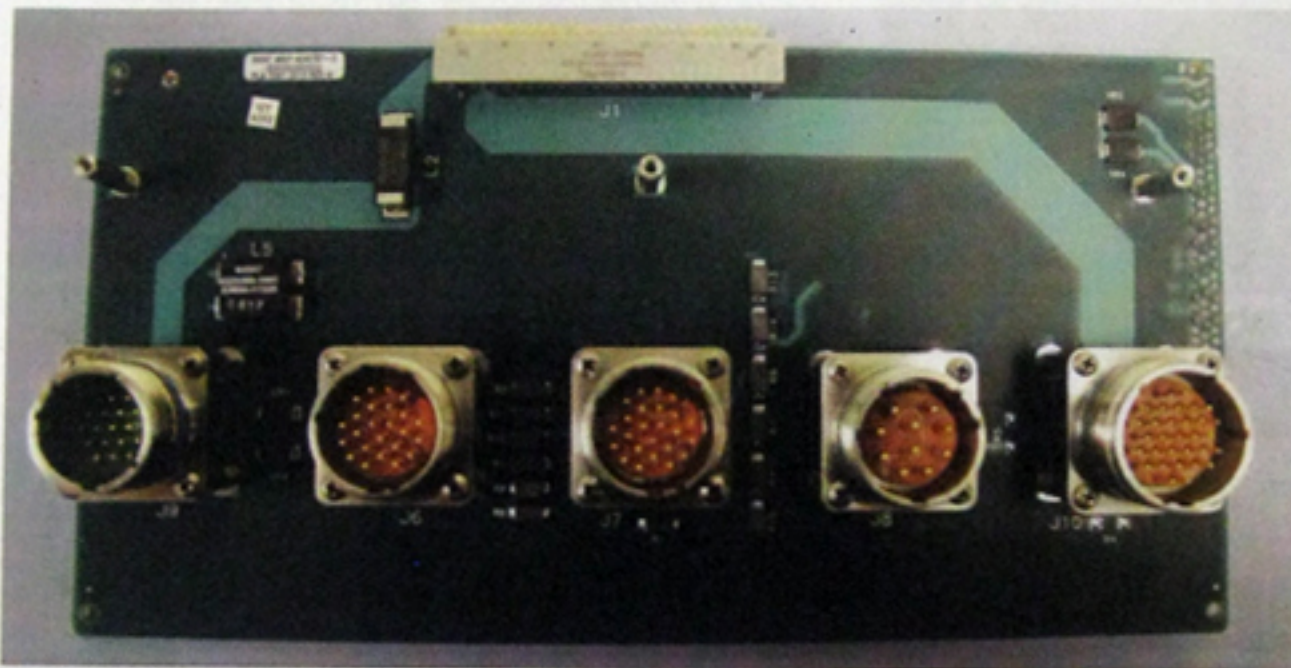
Connector Steam Cleaning Investigation

Project # 1008-82

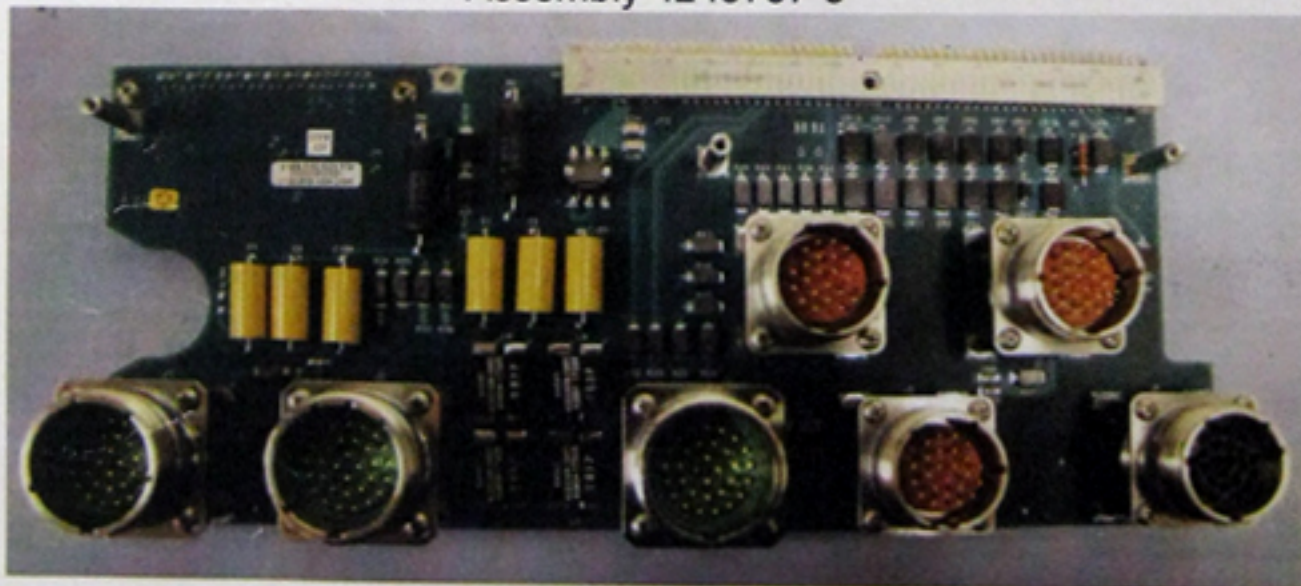
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PROJECT GOAL

The goal of this project is to assess the connector and then steam clean all connectors and test after cleaning is completed. All residues in this evaluation were characterized using Ion Chromatography per IPC TM 650 2.3.28 using the localized C3 extractor.



Assembly 4245787-3



Assembly 4246103-1

SAMPLE DESCRIPTION AND PROCESS HISTORY

Two 4245787-3 assemblies and two 4246103-1 assemblies were sent in for cleaning and evaluation inside the connector surfaces before and after cleaning.



V. Safety / Handling Instructions

Observe sample integrity precautions, 7.5.2-WI-001, and ESD precautions, 7.5.2-WI-002.

VI. Work Instructions

1. Equipment start up, PDQ Minimax 6 steamer and the Omega Meter 600R

a. Minimax 6 Steamer

- i. Turn on power switches,
- ii. Verify DI water is above $\frac{1}{4}$ bottle volume
- iii. Allow 10 minutes for steam to build up in steam chambers.
- iv. Verify ground connections

b. Omega Meter 600R

- i. Turn system on
- ii. Turn on Clean Fill
- iii. Verify the IPA concentration with hydrometer and thermometer. Input measurements into the Omega Meter and use if the IPA concentration is $75\% \pm 5\%$. If not adjust solution concentration by adding IPA or DI water.

- iv. This equipment will be used to rinse the connector ends of the assembly with the 75%/25% IPA/DI water solution.

