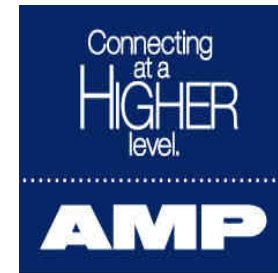


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Presented to SPI-3 Subcommittee

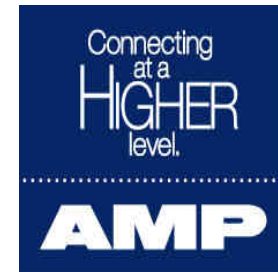
On: November 3, 1998

By: Hank Herrmann

Patent Applied for on this Contact

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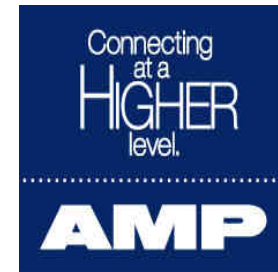


The Problem:

When a new drive is hot-plugged into an operating drive array that uses *Low Voltage Differential (LVD)* family logic, some receivers may detect errors.

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ACCOMPLISHMENTS:

Identified and Quantified the error condition.

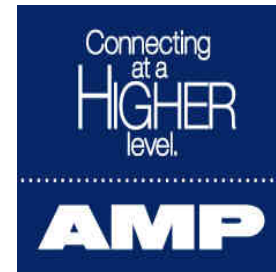
Designed a Contact that can eliminate the errors.

Proven the Dual Conductivity Contact (DCC) concept.

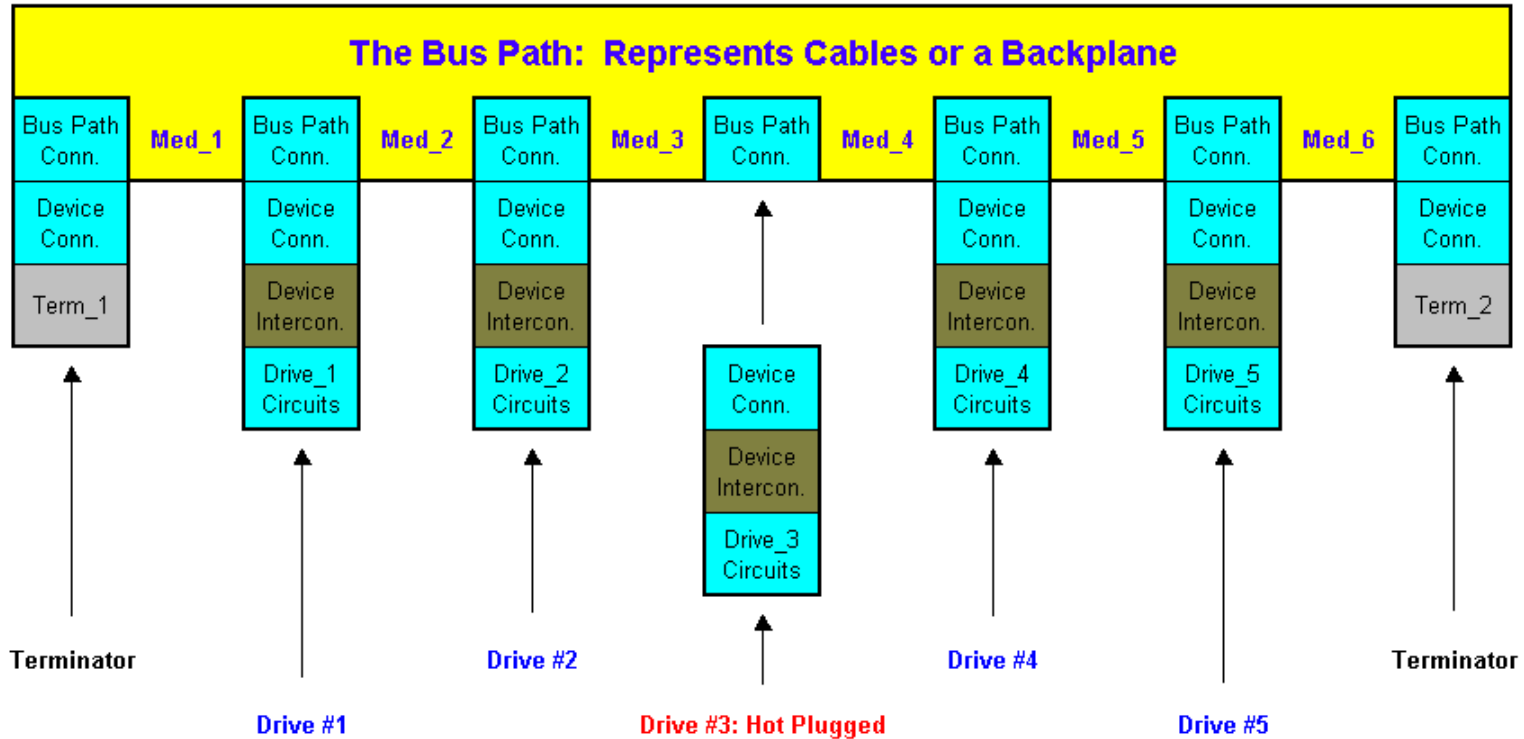
Produced a prototype DCC connector.

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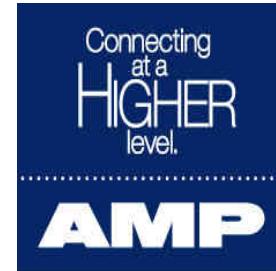


SCA-2 Server Drive Array System Model

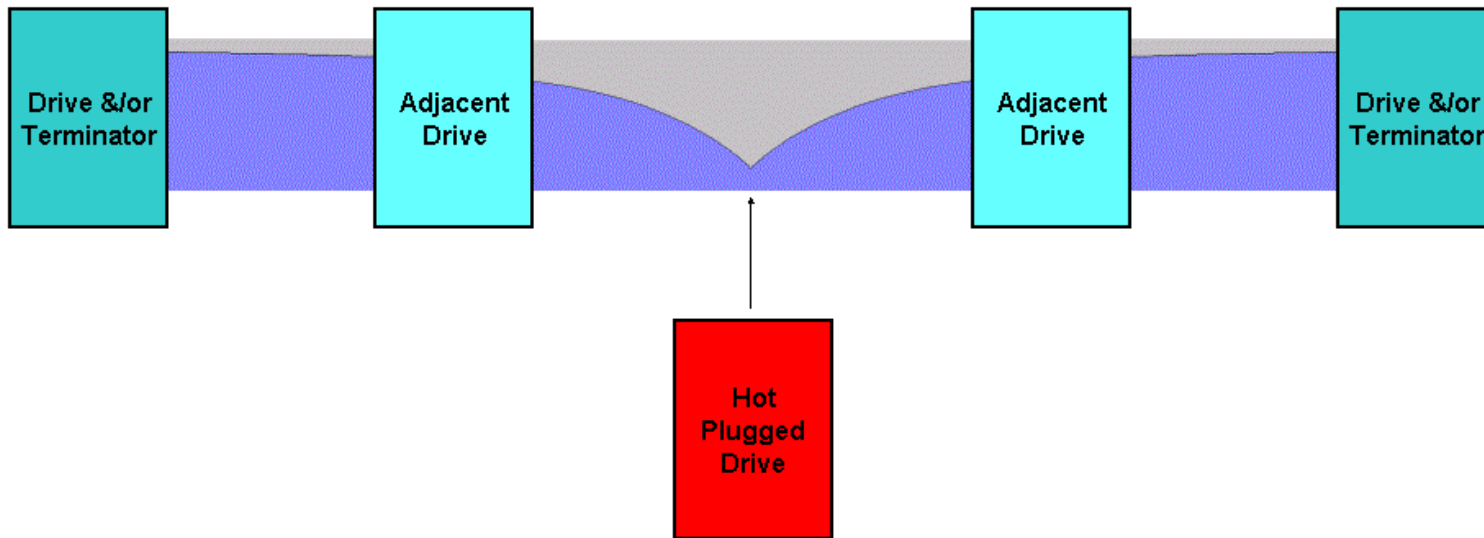


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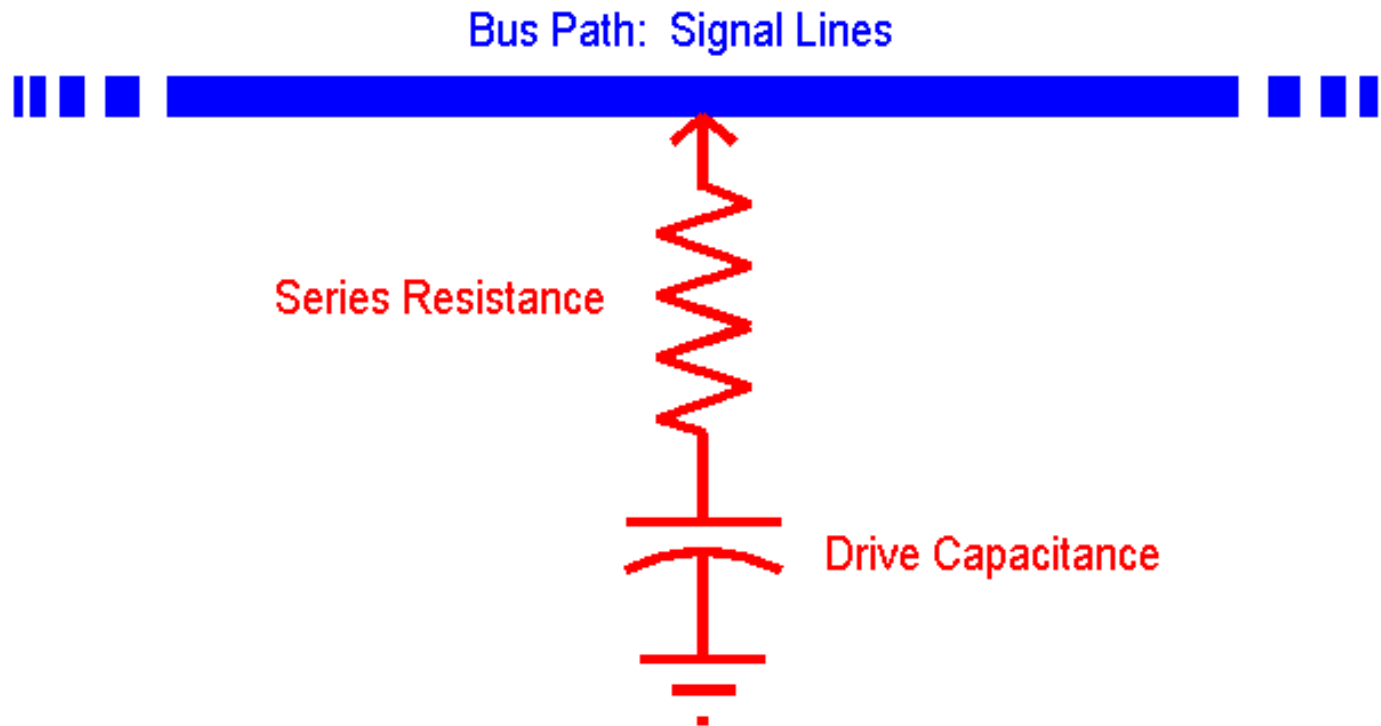
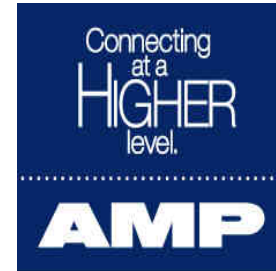


Bus Path (Media) Showing Energy Depletion on a Signal Line



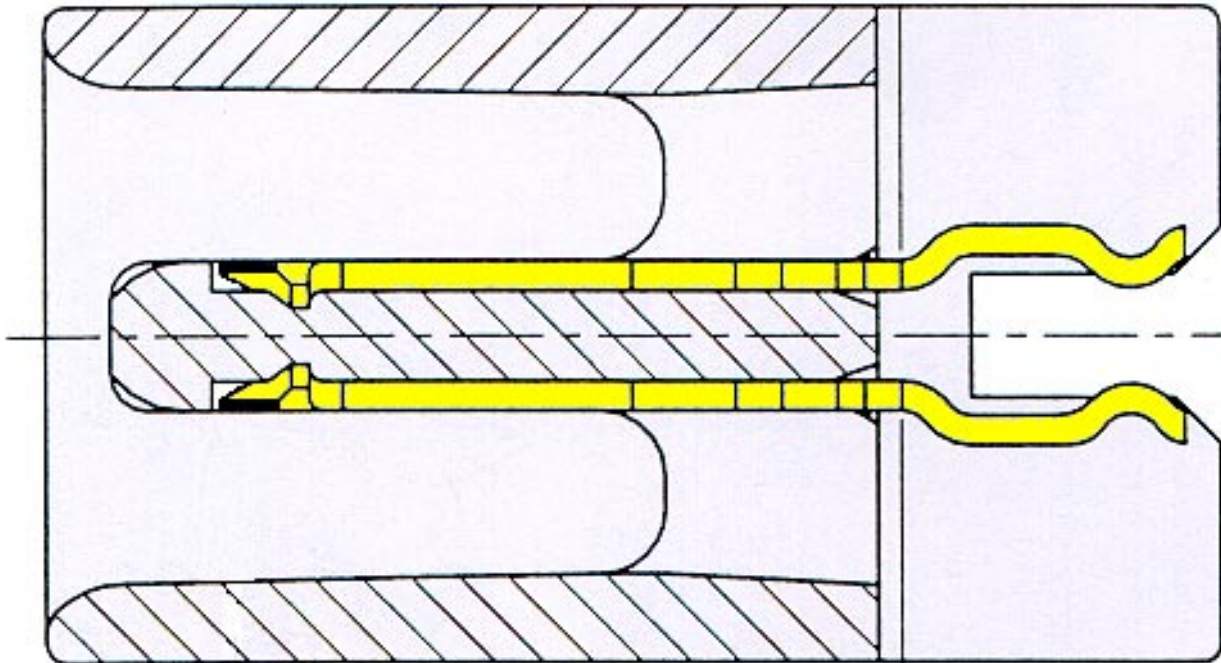
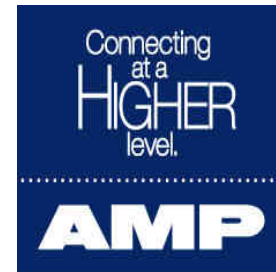
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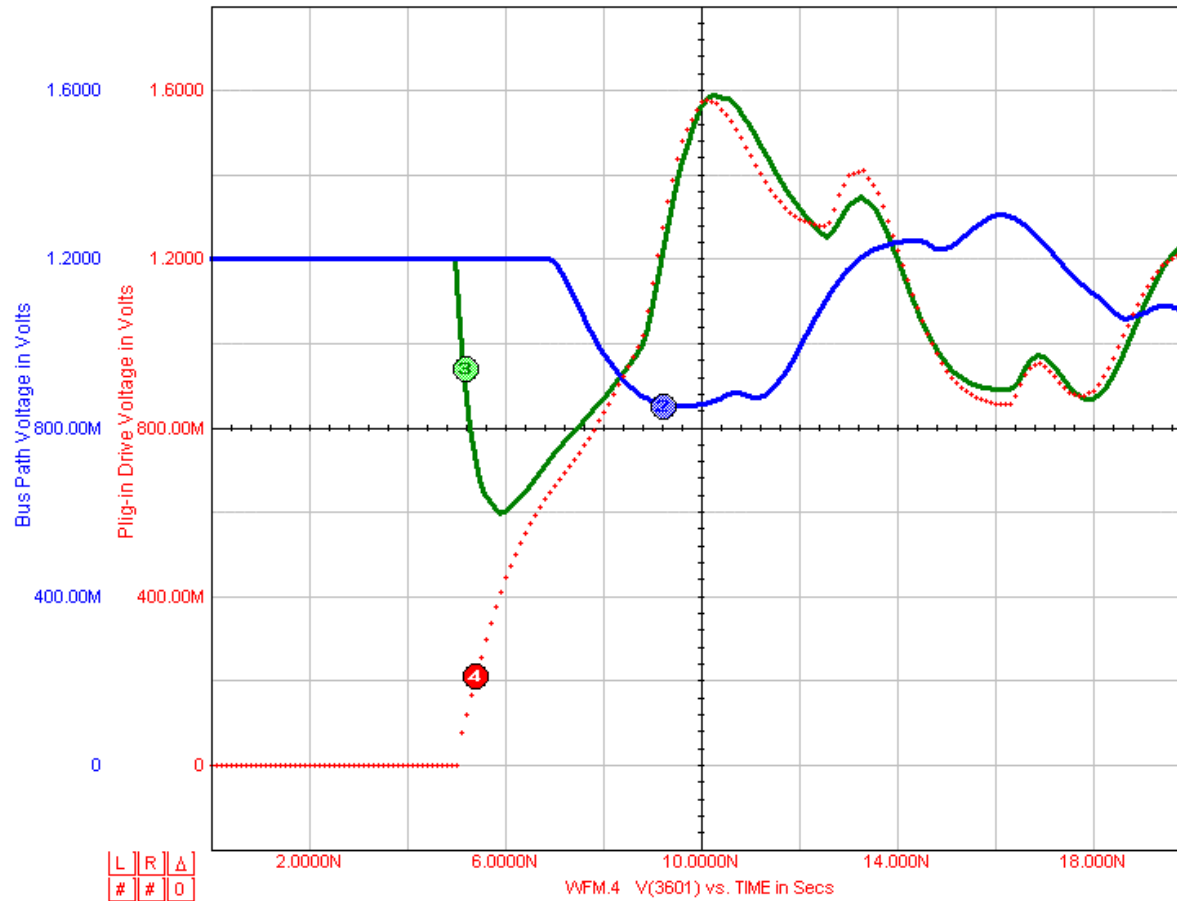
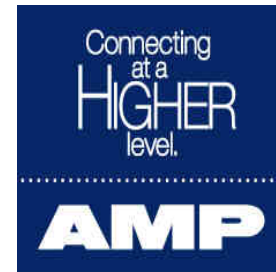
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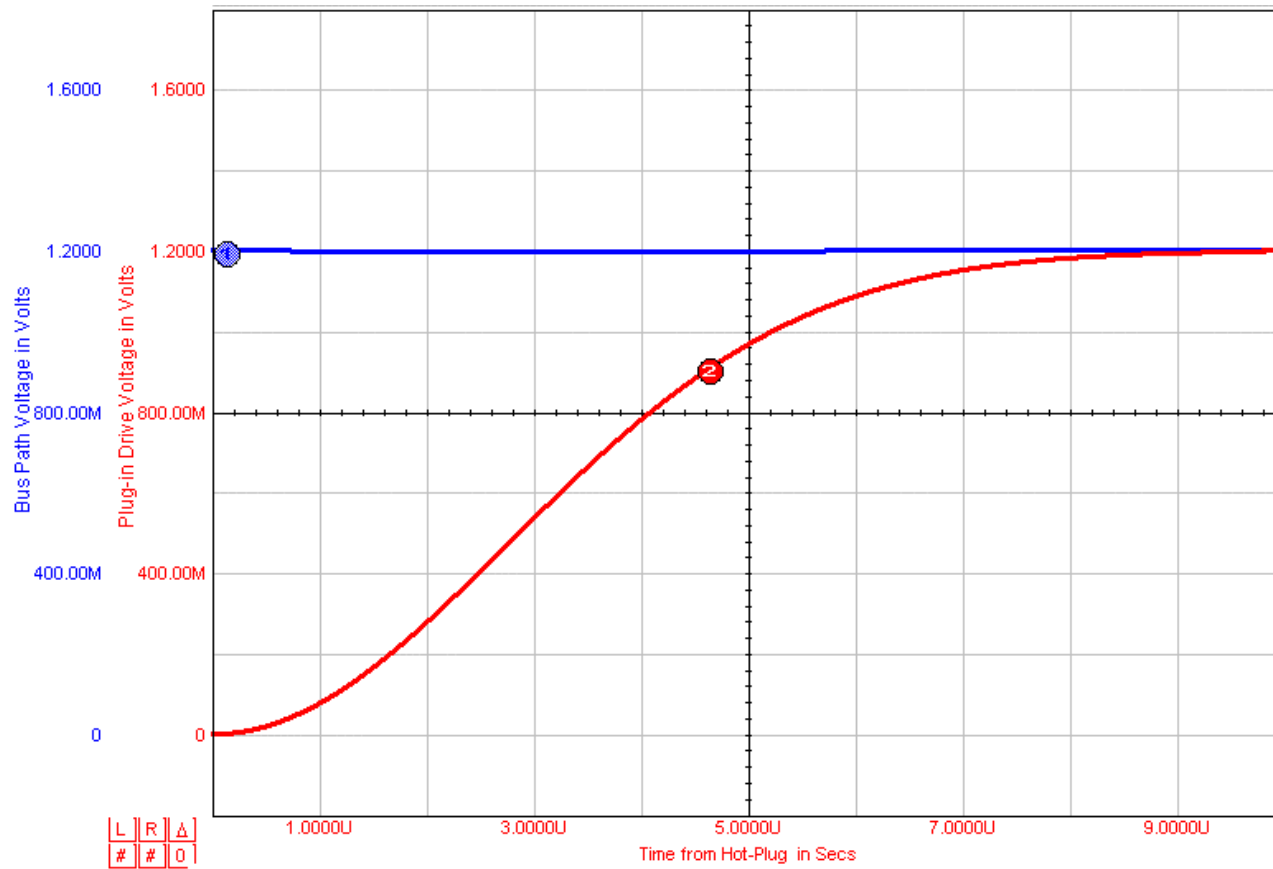
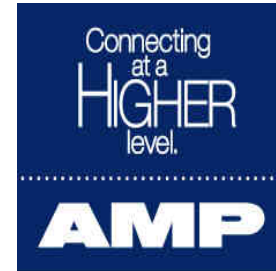
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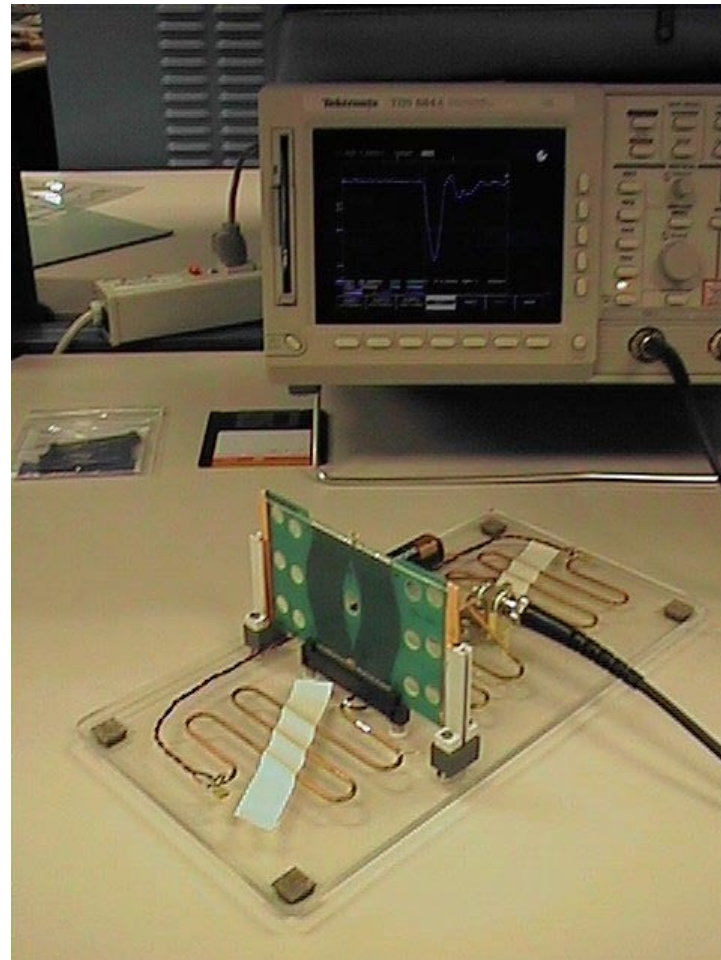
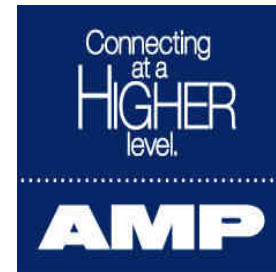
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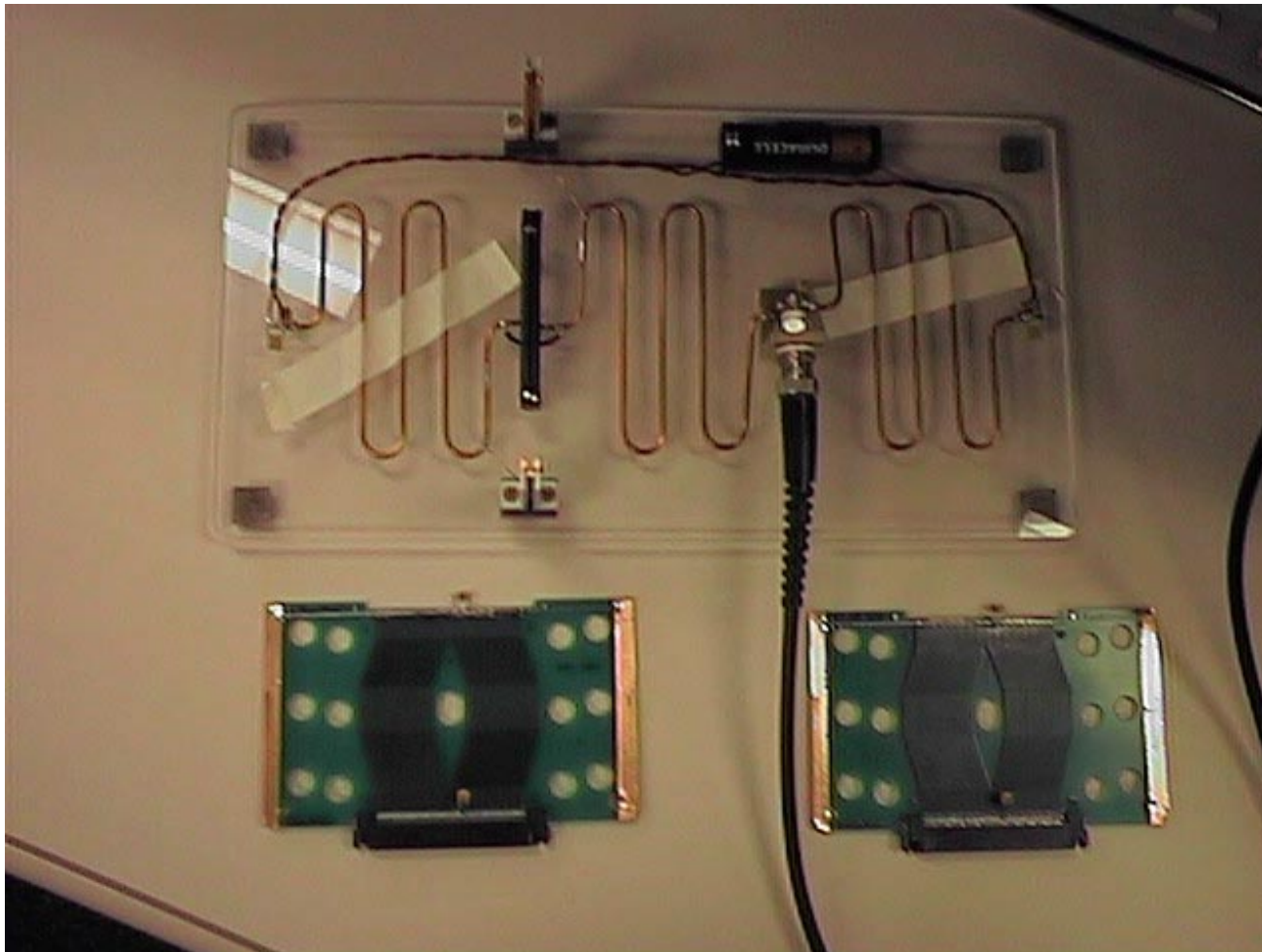
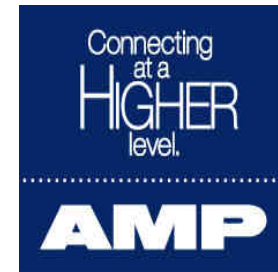
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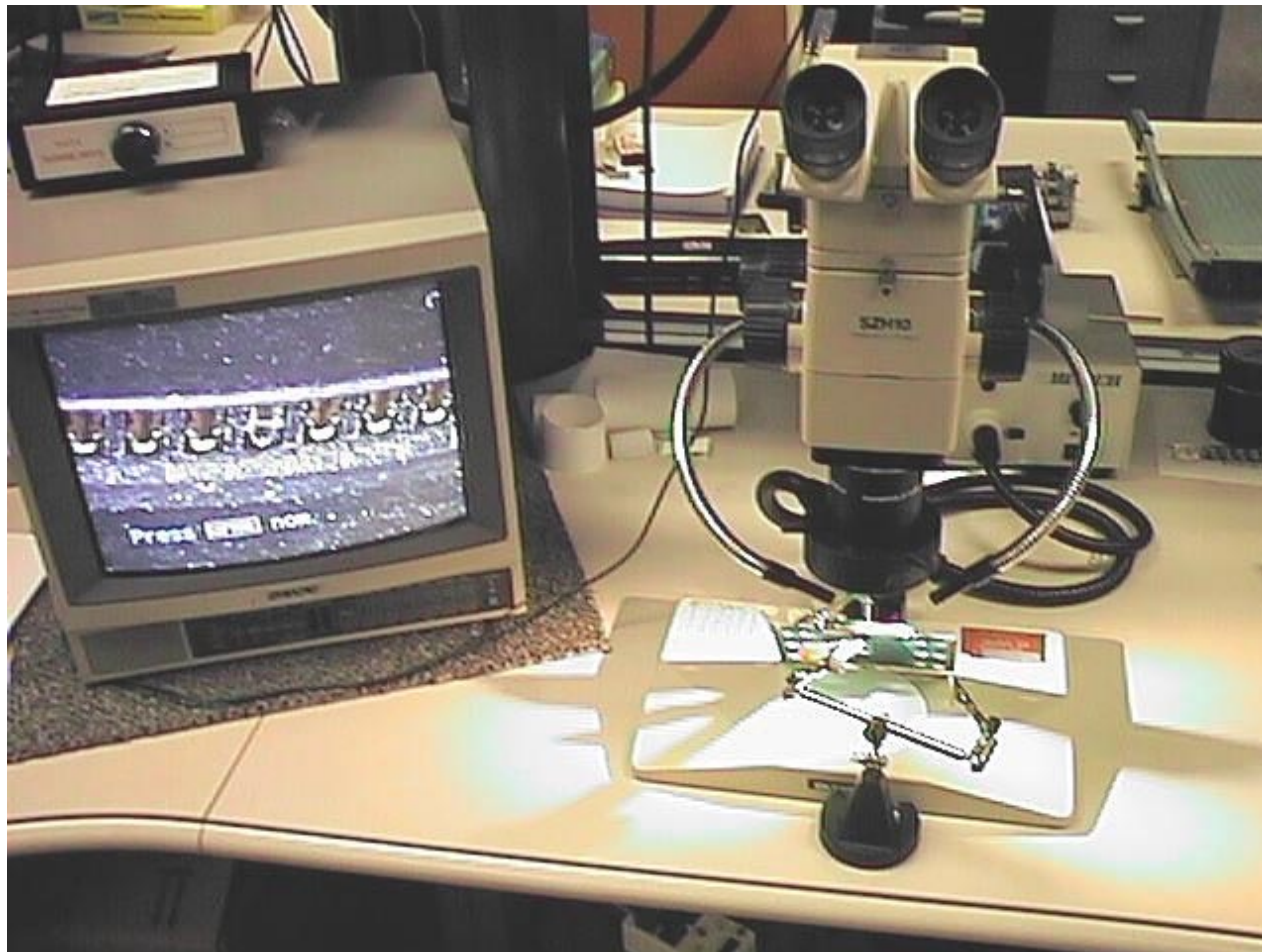
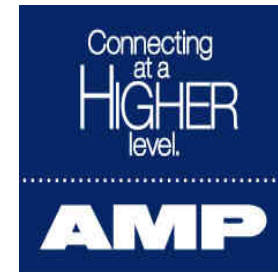
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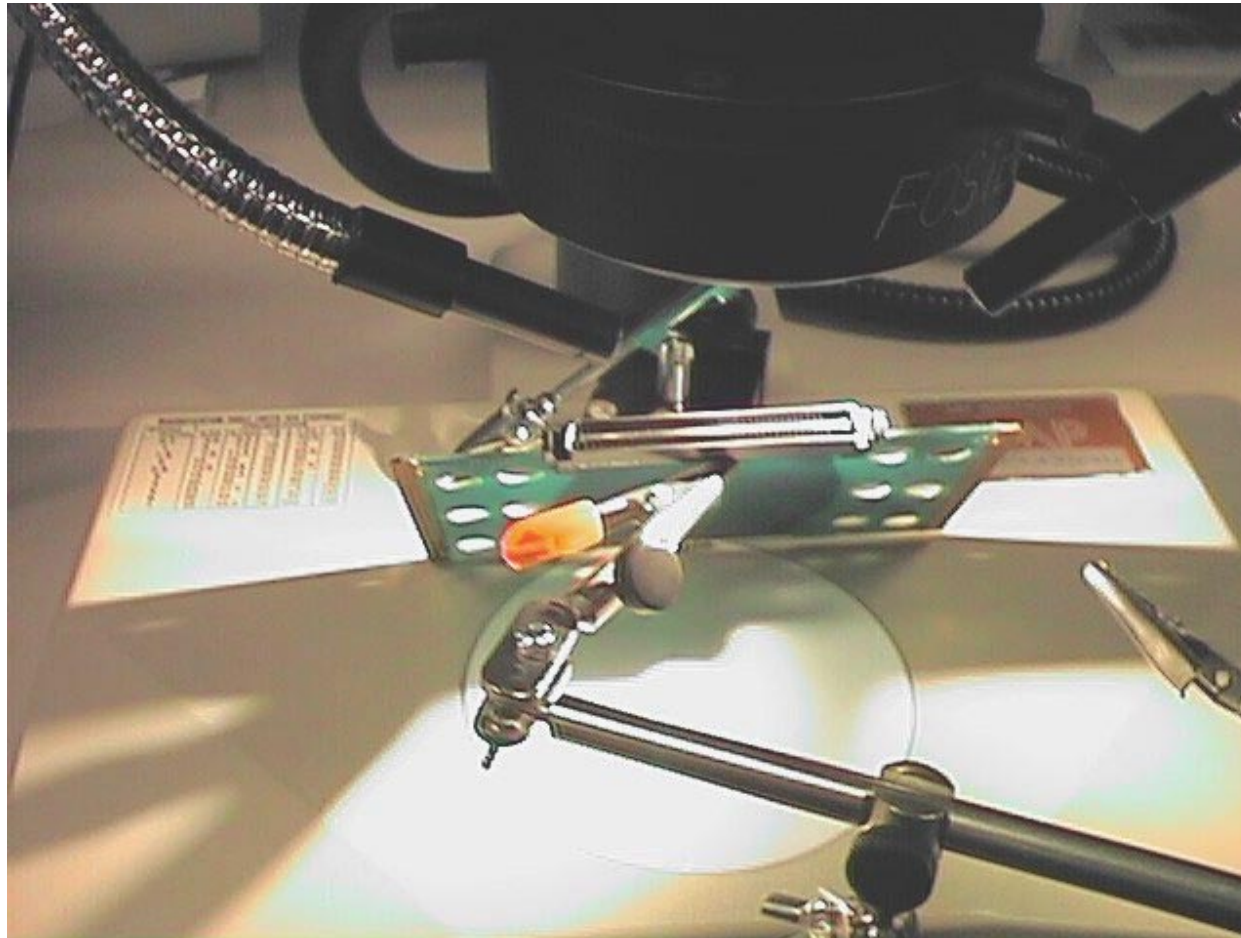
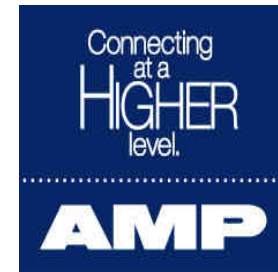
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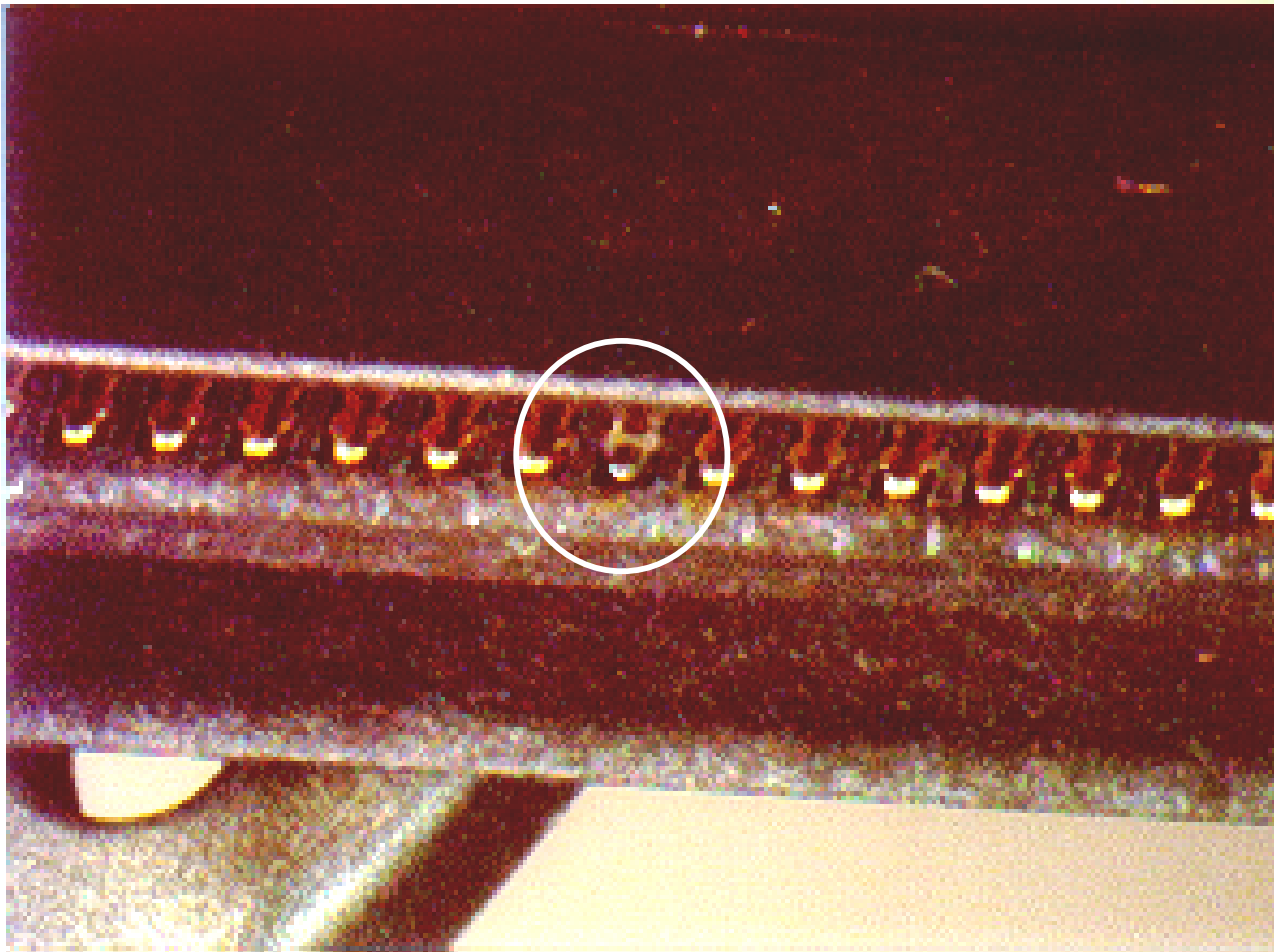
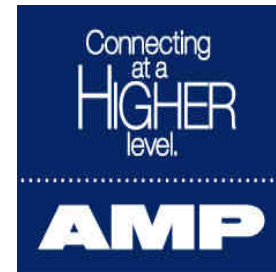
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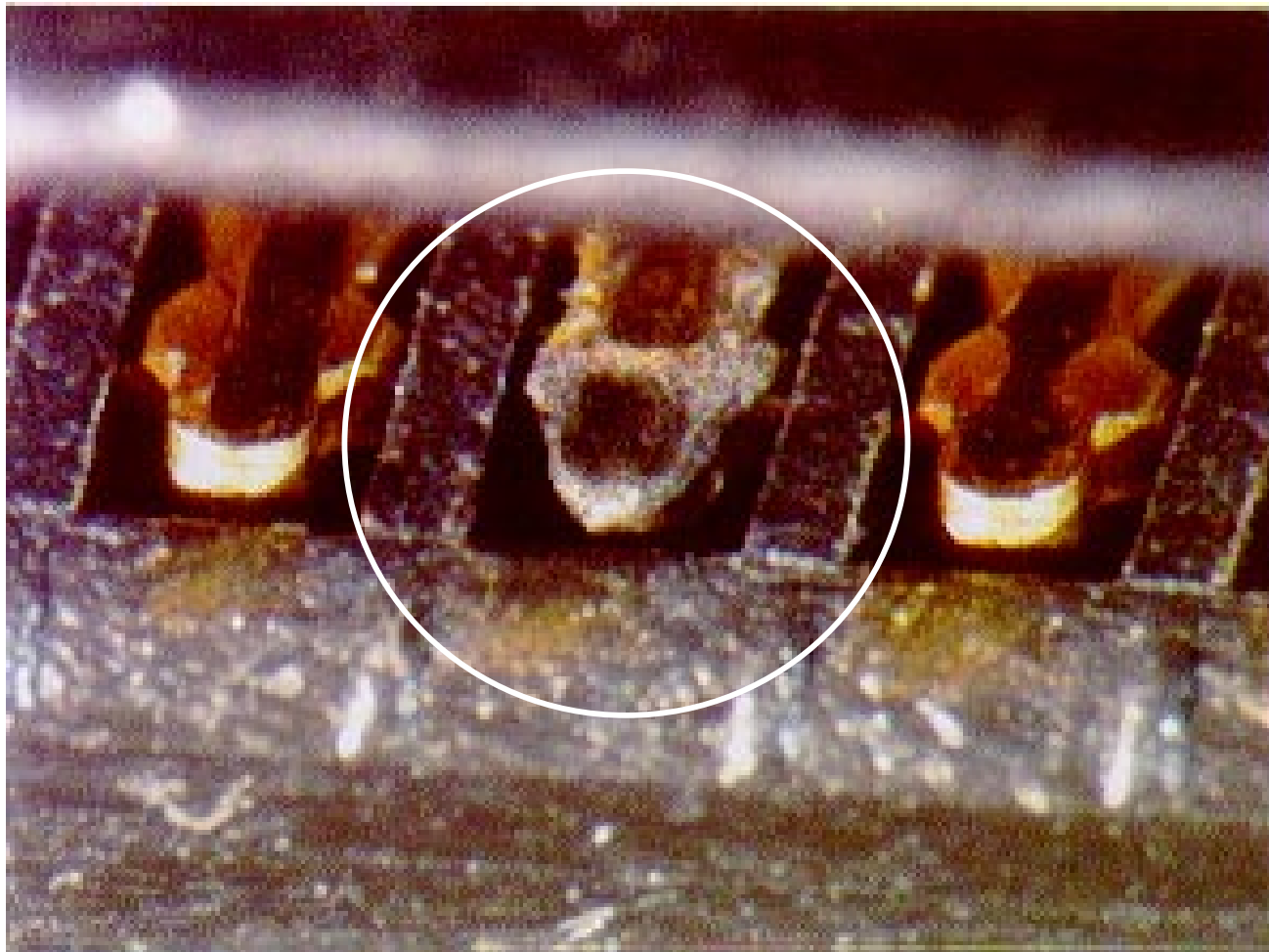
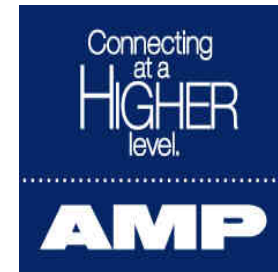
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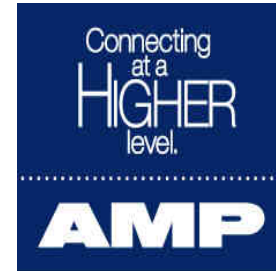
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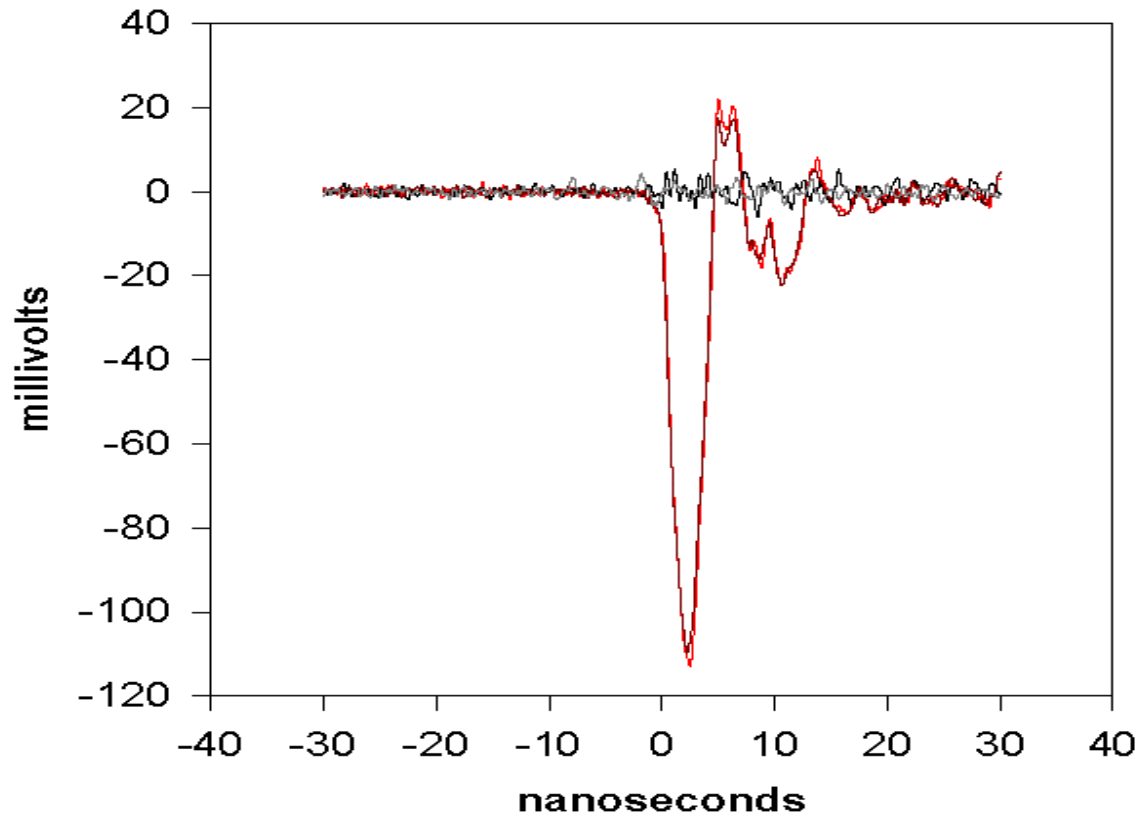


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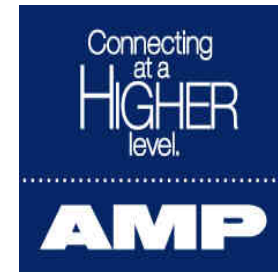


Standard Contact vs. Dual Conductivity Contact



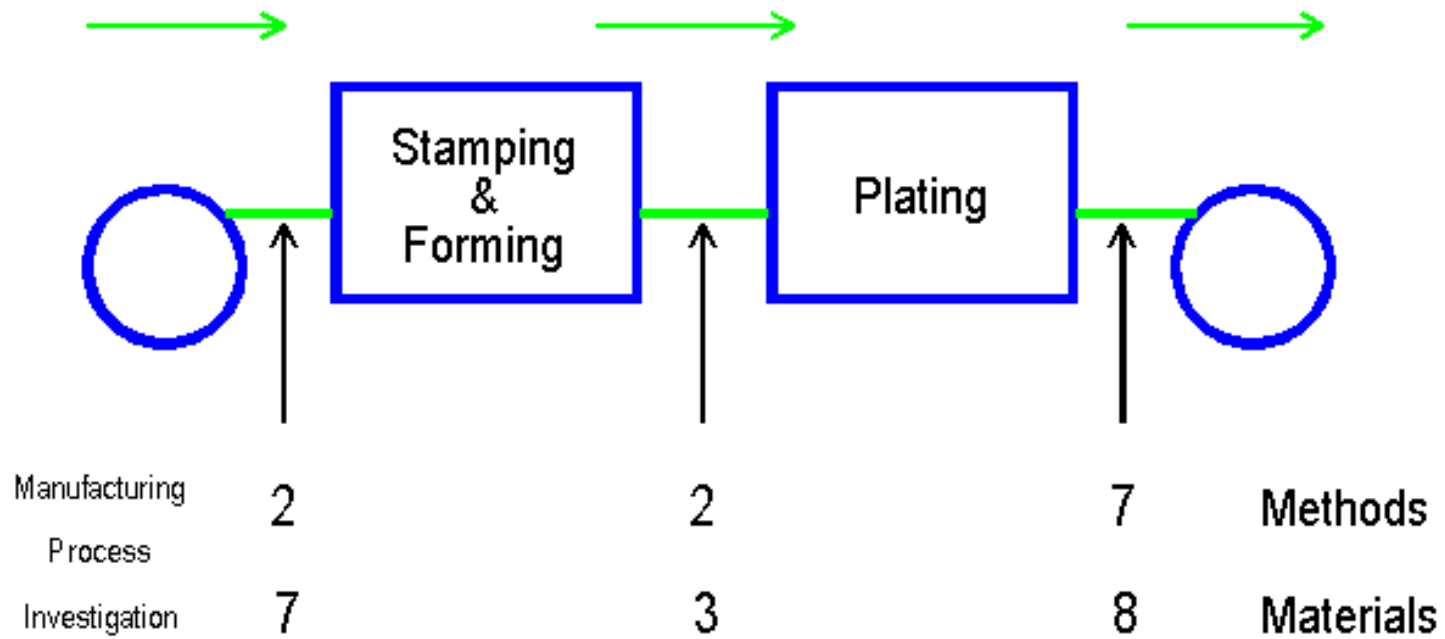
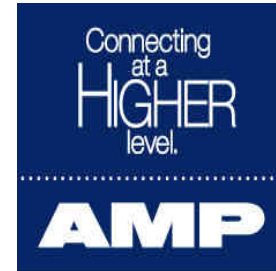
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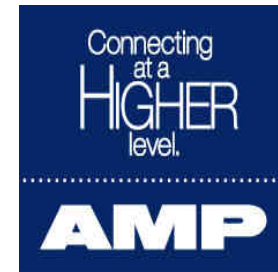
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MILESTONES:

- ✓ **Laboratory Demonstration Samples**
- ✓ **Prototype Contacts**
- ➔ **Pre-production Contacts (100's of Connectors)**
- ➔ **Full Production Contacts**