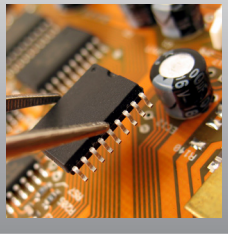
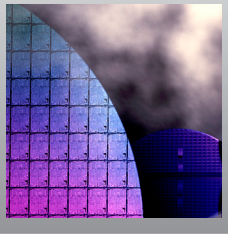
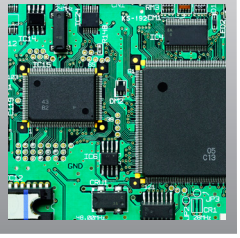
Semiconductor

SOLUTIONS SHOP

Custom Manifold Keeps Electronics Device Cool

Challenge:

A manufacturer of electronic equipment contacted Pneumadyne engineers to discuss the liquid cooling requirements of their device. A compact manifold was needed to distribute liquid throughout seven individual cooling channels within the system. A method of connecting to a temperature probe was also required for the feedback of information to a system controller.

Requirements;

- Eliminate potential leak points
- Small in size
- Provide a heat sensor port
- Compatible with cooling fluids

Solution:

Pneumadyne's engineers developed a compact, brass manifold to accommodate the application's size and media compatibility requirements. Each barb location contains an o-ring groove for a leak resistant connection.

- Silicone seals for high temperatures
- Female thread for thermo temperature probe
- Customer part number is engraved in the block
- O-rings located under the barb for leak resistance
- Single-barb design for a more permanent tubing installation

Benefits:

- **O-rings located under barbs for leak resistance**
- **High temp. silicone seals**
- **Female thread for thermo temperature probe**

Other Applications:

- **Fluid or Gas Distribution**
- **Test Equipment**
- **Fixtures**

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Contact Pneumadyne at 888-559-0177 or sales@pneumadyne.com