



Multi-Cavity Shields Overview

As the complexity of a board's layout increases so does the need to maintain space, weight and cost control. To satisfy these demanding requirements, Leader Tech offers a cost-effective, multi-cavity version of its standard CBS product line.

Our proprietary multi-cavity manufacturing process gives engineers the flexibility to isolate multiple board-level components using the same shield. The near-custom product uses "off-the-shelf" components to create multiple internal cavities that share connecting walls and a single cover. This allows for a significant reduction in shield weight and allocated board space while maintaining tight cost controls.

In addition to unmatched performance, Leader Tech Multi-Cavity CBS shields also help reduce your final assembly cost and time-to-market. Our shields arrive ready to install for both through-hole and surface mount applications.

Features/Benefits:

- Proven multi-cavity performance
- Minimal NRE
- Short lead time
- Nearly unlimited perimeter sizes
- Surface mount or through-hole design
- Mounting pins at .25", .50" or 1.0" spacing
- Shape possibilities- rectangle, "T", "L", "Z"
- Strong cover retention using patented Leader Tech retention "fingers"
- E-Z pull tabs for removal of cover and access to components
- Multiple level shields
- Welded partitions optional
- Semi-custom shield using standard off-the-shelf features
- Wide range of optional features based on CBS fences
- Reduced cost alternative vs. machined housings
- Consult factory for complete design assistance and engineering support

Multi-Cavity Specs

Material Options

- Alloy 770
- Phosphorous bronze
- Pre-tin plated steel

Plating Options

- Bright tin
- Matte tin
- Tin lead (not RoHS compliant)
- Nickel

Height Options

- .13" to 2.0"