



## Engineered Cost Savings Success Story

### \$24,000 Program Savings Elimination of Two-Part Spring-Screw Assembly

**Problem:** Our customer was using an old design for an electronic application which used a two-part Spring-Screw Assembly. Our engineering team went to work to design a spring that would replace the two-part design for ease of assembly with the hope of providing a cost savings at the same time.

**Method:** Perfection engineers brainstormed alternatives to come up with an engineered solution to solve the customers' problem. Through analysis of the assembly requirements and method, we prototyped new parts and tested a revised assembly procedure in our own Assembly Department on "Simulated mock-ups". We were able to use our engineering and assembly expertise to find a solution, reduce tact time, and provide a better method to the customer.

**Solution:** The final result was a simple, and effective single-end extension spring. This eliminated the cost of the screw, the labor to install it, and reduced the assembly time for our customers' product.

**Benefit:** Not only was a cost savings achieved, but the assembly became a simple operation with a lower chance of rejects though simplicity of design in their application. This simple solution saved the customer an estimated \$24,000.

**Result:** We received praise from our customer for a job well done! When we can put our expertise to work for our customers, ultimately we both win. We call it, "The Perfection Advantage".

*Original Design*

*Perfection Solution*

