



CASE STUDY

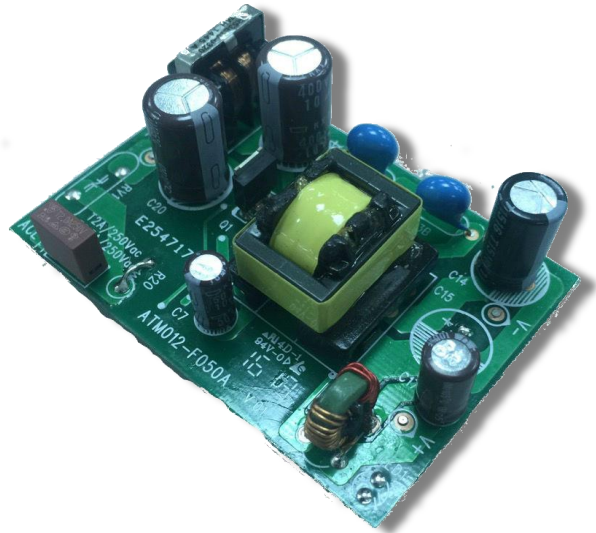
Product Redesign

Curtis Industries' **Tri-Mag Division** makes a variety of medical-grade power supplies, and sells them through its network of independent manufacturers' representatives.

The Problem

Recently, a customer came to Tri-Mag and expressed interest in a small form factor 5Vdc power supply.

The customer designs and builds single- and multi-zone controllers and panel meters. They manufacture custom products for OEMs and offer private labeling for large-volume users.



The Process

Tri-Mag recommended the DA12PM-050 (pictured at right) and DA24PM-050.

These PCB Mounted Medical Power Supplies are ideal when reliable power is required within a limited space.

The customer reviewed all the specifications, and then he called Tri-Mag.

Tri-Mag DA12PM Series Power Supply

Output:	3.3 – 24 Vdc
Leakage Current:	<100uA
2xMOPP	
12 Watts:	2.56" x 1.76" x .95"
24 Watts	2.75" x 1.89" x 1.02"

The Solution

The customer told Tri-Mag that the size and power specifications were acceptable, but since both power supplies were listed as “medical grade,” they were concerned about the price.

Tri-Mag quoted a price, and the customer expressed surprise at how competitive it was. They immediately ordered samples for evaluation.

The result: the customer was so pleased with the products’ performance, they redesigned their printed circuit boards for the Tri-Mag DA12 and DA24. This past May, they placed a large production order for the D12. An order for the D24 came a few weeks later.

The Company Behind the Product

Tri-Mag, LLC is a power components manufacturer founded in 1980 and based in Visalia, California. Its full line of power supplies and DC-DC converters are now a part of the Curtis Industries family of products, headquartered in Milwaukee, WI.

Tri-Mag manufactures a wide selection of standard power electronics and power systems along with custom design services.

Industrial applications include:

- High-efficiency LED lighting
- Industrial machinery
- Casinos and gaming
- Medical equipment

Curtis Industries provides innovative engineering solutions for a wide variety of industries. From plastic injection and transfer to molding and fabrication, the company provides an exceptional product on time, at affordable prices.

Both Curtis and Tri-Mag offer custom electrical components, built to your exact specifications. Every Curtis and Tri-Mag product meets all UL and CSA standards.



www.Tri-Mag.com

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