Kimball® Solutions

DESIGN ENGINEERING SERVICES

VALUE ANALYSIS/VALUE ENGINEERING (VAVE)

With decades of combined experience, the Kimball Solutions Design Engineering Services team delivers innovative solutions to enhance product performance and cost efficiency. Our Value Analysis/Value Engineering (VAVE) service identifies and eliminates high-cost areas, leveraging a structured framework and interdisciplinary expertise to drive value-added, cost-effective solutions.

COST REDUCTION CATEGORIES

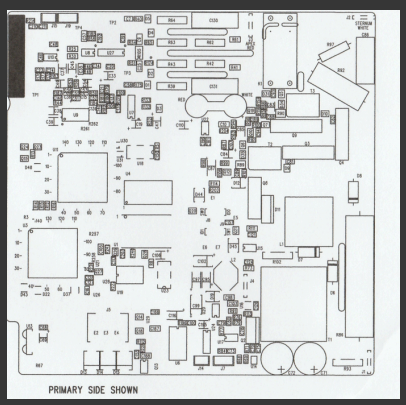
- Materials
- Assembly Process
- Electronic Design
- Mechanical Design
- Other

The heart of the service is the VA/VE framework with creative problem-solving that promotes the development of value-added cost-effective solutions by interdisciplinary teams. The goal is to reduce cost and complexity for our customers' programs.

VA/VE CASE STUDY

Kimball Solutions refreshed a 20-year-old medical PCB design, ensuring compliance and cost efficiency. We conducted RoHS, REACH, and lifecycle assessments, performed Valor and DFX reviews, and collaborated with design partners for research and layout updates. Supply chain validation and customer alignment guided the redesign, leading to a successful prototype, pilot, and regulatory testing.

The result: A fully compliant PCB with significant cost savings.



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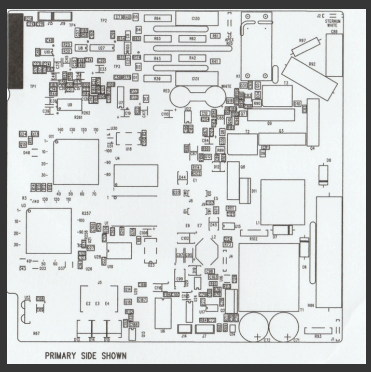

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