

PCB Redesign Services

Redesign legacy circuit boards, lower cost, improve reliability, and reduce cost.

Overview

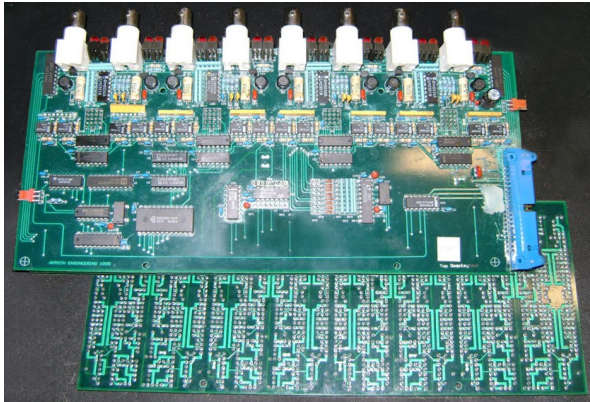
Many firms have products or equipment that have been on the market for years with printed circuit boards that were designed with technology that is now significantly outdated. Furthermore, some of the PCB's components are either now obsolete, are expensive due to the low usage, or are unreliable. Yet, these mature and well-established product lines continue to sell and are an excellent revenue-generator for these companies.

One of ACS's specialties is to redesign legacy PCB assemblies to address these very issues.

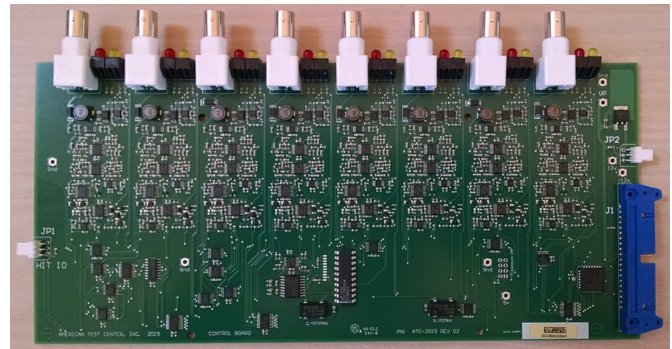
We understand that the project isn't just about physical substitution and change-over of components. It is about ensuring that the system will still perform and function the way it current does while implementing a modern design.

With our knowledge and experience in hardware and software design and electronics controls engineering, we understand how to reconfigure your existing PCB assembly, modify the schematic, change to different componentry, and institute needed software changes to have the performance of the system remain intact so your equipment operates just like your customers expect.

PCB Design - Before
2 boards



PCB Design - After
1 board



- **Reduce cost** by changing to more affordable and modern components, and smaller PCB (if acceptable)
- **Improve lead times** by converting to standard and easy-to-obtain components
- **Improve reliability** by converting to improved components, reduced component count, and less hand-soldered leaded components
- **Reduce overall size** if desired (less weight, lower cost, and less space)
- PCB board layout improvements
- Updated schematic
- Convert from leaded devices to surface mount
- Reduce component count
- Upgrade passive and active components

ACS is a product and technology development company with decades of experience in consumer, industrial, medical, military, and automotive industries providing electronic design and software solutions. Since 1983, ACS has provided electronic design services of a wide range of low voltage, low powered products for moderate and advanced designs.

The company also develops and manufactures its own propriety products that fall under its overall technology platform of wireless communication, remote monitoring, and wireless controlling of equipment and machinery.