



Impellimax can design and build your whole DC subassembly as a turn-key drop-in solution. We optimize the use of space by dealing in whatever mix of technologies is best for the job.

The unit shown above combines:

- a dual-output low-speed PIN switch driver
- a dual-output high-speed PIN switch driver
- a 75 MHz IF amplifier/attenuator
- a detector diode bias circuit and threshold comparator
- and copious LC filtering on +5, +15, and -15V supplies.

The backside is all groundplane for greatest signal sensitivity and low noise floor, and numerous vias maintain low impedance on critical supplies throughout the board.

This subassembly was designed, built, and tested by Impellimax, working with our customer's mechanical and electrical requirements.

At first, our customer feared that there would be no way to fit everything in the small space available. By having complete and seamless control over the layout process, though, we were able to fit the proverbial "ten pounds" in the area available. The hybrid portion of the assembly was designed for best fit, in terms of pin-out and function, into the PC board.

Although in most cases it is simpler to use standard or semi-standard Impellimax drivers, our capabilities in turn-key design can pull some impressive results out of what otherwise might be impossible situations.

Switch Drivers

Linearizers

Special Assemblies

Sensor Products

Software

Services

Facilities

Press Release

Miscellaneous