

# Composite Shell Filtered Connectors

Rugged and durable for weight-sensitive applications



## Features

- Designed to displace traditional metal connector shells for substantial weight reduction
- Custom mechanical variations may be provided without usual tooling charges
- Circular connectors in MIL-38999 series III available EMI filtered or unfiltered
- Nickel and cadmium plating available
- Custom designs available

## Applications

- Commercial and defense aerospace
- Telecommunications and security
- Power supplies
- Electronic warfare
- Ground and air weapon systems
- Mining and oil exploration

For even greater design flexibility, API offers composite shell circular connectors. These composite connectors feature shells fabricated from high grade thermoplastic and are designed to replace traditional metal connector shells for substantial weight reduction. The composite shell maintains the form, fit and function of the original connector shell, making it ideal for applications where weight is a critical factor. A composite shell version of many API's circular connector designs are available.

Our filtered compact shell connectors provide an effective filtering device that reduces the amount of real estate required within a product enclosure. Using our expertise in EMI filter design and manufacturing, we offer planar-style filtered arrays, available in C and Pi circuits up to 200nF in most configurations.

API Technologies' filtered EMI connector offerings are fully vertically integrated and manufactured in the USA. Components including capacitors and shells are manufactured by API's State College, PA facility, providing our customers high quality parts at very competitive prices, with the industry's shortest lead times.