

# Black Nickel Zinc Filtered Circular Connectors

RoHS compliant replacement for cadmium plating on defense connectors



## Features

- Resistant to corrosion
- Becoming new standard in all commercial and defense applications
- Approved for MIL-DTL-38999 Series III and other standard MIL configurations
- Maintains the mechanical integrity of plated connectors and will not require new drawings, tooling, or gauges
- Cost-effective solution
- Custom designs available

## Applications

- Aerospace and defense
- Harsh environment vehicles
- Communications equipment
- Mass transit
- Power generation
- Industrial equipment including metering

API Technologies offers custom circular connectors in EMI filtered or unfiltered styles, including MIL-DTL-55116, -83723, -24308, -26482 and -5015. 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. Other filter circuits including transient protection are available.

Black Zinc Nickel finish is an RoHS-compliant, cost effective and sustainable plating alternative to Cadmium. It provides long-lasting corrosion resistance to exposed connector surfaces. It offers the same level of harsh environment protection, temperature ranges and electrical performance as Cadmium finishes, but without the toxicity and negative environmental impact.

In addition, we can accommodate your quick-turn schedule for prototyping by adding either planar or tubular capacitor filtering to the rear of a standard connector.

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