

MIL-C-26482, Extended Shell



All extended shell connectors are manufactured by adding filters to a standard MIL qualified connector. The filtering is achieved by extending the connector with the use of a backshell and placing either planar or tubular capacitors in the backshell. Spectrum will always keep the extension to a minimum.

These miniature circular filtered connectors are designed to meet the applicable portions of MIL-C-83723 and are interchangeable with that specification.

Custom Designs

Due to the versatility provided with this product design, custom requirements can be readily accommodated. Consult Spectrum Control for your specific needs.

Materials and Finishes

Shell As noted in Ordering Information
 Backshell Copper Alloy, Nickel Plate
 Contacts Copper alloy, gold plate per MIL-G-45204

(For electrical specifications, see page 198.)

Ordering Information

Available connector styles and shell sizes for this MIL series are shown on the following pages. Refer to these pages and the information below to develop your connector part number.

Spectrum's Control Advantages

- **Retrofit existing connectors** - We can add filters to customer supplied connectors, saving time during prototype phase and expediting system evaluation.
- **Design flexibility and quality assurance** - We are vertically integrated with ceramic capacitors, enabling us to offer a broad selection of this critical component and ensuring design versatility and manufacturing control.
- **Prototypes** - Our EMI filtering expertise and large capacitor inventory allow us to quickly provide a working sample of your filtered connector.
- **Economy and turnaround** - Most components we utilize are standards, minimizing our tooling requirements and providing cost savings and a shorter lead time.
- **MIL and commercial applications** - Reduce program costs by utilizing our extended shell connectors for both MIL spec and commercial grade connectors.
- **Reduce testing and qualification** - Use of a QPL'd connector interface can expedite your approval process. In addition, we can filter any series of connectors . . . eliminating concerns over filter connector availability.

Filtered Connectors

