

INCH POUND

MIL-DTL-32633

31 July 2019

DETAIL SPECIFICATION

CONNECTORS, FILTER, ELECTROMAGNETIC INTERFERENCE (EMI), GENERAL SPECIFICATION FOR

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers the general requirements for connectors that contain filters for the suppression of electromagnetic interference (EMI). Filter connectors furnished to the requirements of this specification contain capacitor arrays and ferrite beads as applicable for C, Pi, L-C, C-L, or T filter circuits.

1.2 Classification. Filter connectors mate with MIL-DTL-38999 connectors and are of the following series, class, temperature ranges, and contact styles, as specified.

1.2.1 Series. Filter connectors are series III, scoop-proof, triple start, self-locking, threaded coupling connectors, in accordance with MIL-DTL-38999.

1.2.2 Class. Filter connector class is in accordance with MIL-DTL-38999, series III.

1.2.3 Temperature ranges. The upper temperature is the maximum internal hotspot temperature resulting from any combination of electrical load and ambient conditions. The filter connector temperature range is in accordance with MIL-DTL-38999, as defined for series III connector and finish, but not to exceed +125 °C.

Comments, suggestions, or questions on this document should be addressed to: Naval Air Systems Command (Commander, Naval Air Warfare Center Aircraft Division Lakehurst, Code 4.1.2.2, Mail Stop 120-3, Route 547, Joint Base MDL, NJ 08733-5100 or emailed to michael.sikora@navy.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST online database at <https://assist.dla.mil>.