



Omega C48 Series

Cylindrical Plug & Receptacle Connectors

The Cinch Advantage

The C48 (Omega) Series is a family of connectors qualified to MIL-C-26500. While maintaining the MIL-C-26500 mating interface, this product has also been expanded to include qualifications to numerous Boeing specifications to satisfy general purpose requirements and unique product challenges for shielding, environmental sealing, fluid resistance, and vibration. The expanded Cinch C48 product family offers numerous product options qualified to Boeing high performance requirements and product solutions developed for alternate termination styles/low-profile packaging.



Key Features

- Full performance in extreme environments
- Wide variety of configurations

Qualifications

- Mil-C-26500; USAF Specification
- BACC45; Boeing General Purpose Connector
- BACC63; Boeing High Performance Connector



Certified Quality Management System

- ISO9001
- AS9100
- Certificate of Compliance
- BQMS D6-82479 Approved



C48 Omega Product Parameters

| | |
|----------------------|--|
| Military Designation | MS24264 Square Flange Receptacle, MS24265 Single-Hole Mounting Receptacle, MS24266 Straight Plug |
| Boeing Designation | BACC45FS, BACC45FT, BACC45FM, BACC45FN, BACC63CB, BACC63CC, BACC63BP, BACC63BV, BACC63B |
| Shell Size | 8, 10, 12,14,16, 18, 20, 22, 24, 28 |
| Contact Style | Pin or Socket |
| Coupling Style | Bayonet or Threaded |



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Parts and Configurations

| Shell Size 8 | | Shell Size 10 | | | Shell Size 12 | |
|--|--|---|---|---|--------------------------------|-----------------------------------|
| | | | | | | |
| 2#20 contacts Insert 8-2(Y) | 3#20 contacts Insert 8-3(Y) | 2#20 contacts Insert 10-2(Y) | 2#16 contacts Insert 10-20 | 5#20 contacts Insert 10-5(Y) | 3#16 contacts Insert 12-3 | 12#20 contacts Insert 12-12(Y) |
| Shell Size 14 | | | | | Shell Size 16 | |
| | | | | | | |
| 2#16 contacts 1#2 shielded contact Insert 14-3 | 4#12 contacts Insert 14-4† | 7#16 contacts Insert 14-7 | 9#20 contacts 3#16 contact Insert 14-12(Y) | 15#20 contacts Insert 14-15(Y) | 10#16 contacts Insert 16-10 | 24#20 contacts Insert 16-24(Y) |
| Shell Size 18 | | | | | | |
| | | | | | | |
| 8#12 contacts Insert 18-8† | 10#16 contacts 1#2 shielded contact Insert 18-11 | 14#16 contacts Insert 18-14 | 31#20 contacts Insert 18-31(Y) | | | |
| Shell Size 20 | | | | | | |
| | | | | | | |
| 16#16 contacts Insert 20-16 | 19#20 contacts 6#12 contacts Insert 20-25†(Y) | 24#20 contacts 4#12 contacts Insert 20-28†(Y) | 37#20 contacts 2#16 contacts Insert 20-39†(Y) | 41#20 contacts Insert 20-41(Y) | | |
| Shell Size 22 | | | | | | |
| | | | | | | |
| 12#12 contacts Insert 22-12† | 19#16 contacts Insert 22-19 | 26#20 contacts 6#12 contacts Insert 22-32†(Y) | 55#20 contacts Insert 22-55(Y) | 27#20 contacts 12#16 contacts Insert 22-39(Y) | | |
| Shell Size 24 | | | | Shell Size 28 | | |
| | | | | | | |
| 23#20 contacts 20#16 contacts Insert 24-43(Y) | 2#12 contacts 55#20 contacts Insert 24-57†(Y) | 61#20 contacts Insert 24-61(Y) | 29#16 contacts Insert 24-29 | 30#16 contacts Insert 24-30 | 42#16 contacts Insert 28-42 | |



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