



# 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                                                                              |

# Parts and Configurations

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