

38999
III
HD
Dualok
II
I
SJT
Accessories
Aquacon
Herm/Seal
PCB

HIGH SPEED
Fiber Optics
Contacts
Connectors
Cables

EMI Filter
Transient

26482
Matrix 2

83723 III
Matrix | Pyle

26500
Pyle

5015
Crimp Rear Release
Matrix

22992
Class 1

Back-
Shells

Options
Others

Amphenol offers a multi-channel circular connector with high density MT fiber optics. This connector uses MT ferrules described on page 205.

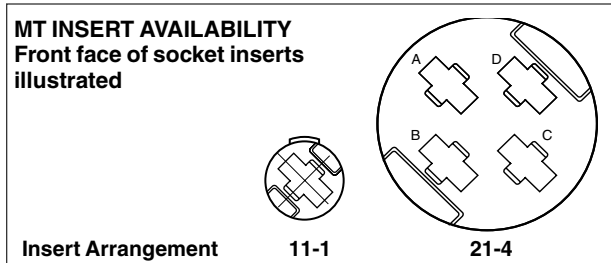
The features of the MT cylindrical connector include:

- High fiber density in a relatively small circular connector package with all the advantages of the MIL-DTL-38999 Series III connector
- Three levels of alignment provide for precision fiber to fiber interface:
- Shell-to-shell with keying to allow for alternate positions
- Insert plug to insert receptacle
- MT contact guide pins
- Ferrules are available in either 12-fiber or 24-fiber versions, in multi-mode PC, single mode PC, and single mode APC configurations
- 2 arrangements are available as shown at right, shell size 11 with one ferrule, and shell size 21 with four ferrules



MT38999 Connectors

**MT INSERT AVAILABILITY
Front face of socket inserts
illustrated**



Amphenol® MT38999 connectors for use with MT ferrule termini can be ordered by coded part number. Ordering procedure is illustrated by part number CF-699011-01P as shown below:

Easy Steps to build a part number... CF, Tri-Start Series III with Fiber Optics

| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
|----------------|-----------------|----------------|--------------|-------------|--------------------------------|-----------------------------------|
| Connector Type | Connector Class | Terminus Style | Shell Finish | Shell Style | Shell Size- Insert Arrangement | Insert Type & Key/Keyway Position |
| CF- | 6 | 9 | 9 | 0 | 11- 01 | P |

Step 1. Select a Connector Type

| | |
|-----|-------------------------------------|
| CF- | Multi-Channel Fiber Optic Connector |
|-----|-------------------------------------|

Step 2. Select a Connector Class

| | Designates |
|---|-----------------|
| 5 | Aluminum |
| 6 | Composite |
| 8 | Stainless Steel |

Step 3. Terminus Style

| | |
|---|---------------------------------|
| 9 | MT terminus - Flat ribbon cable |
|---|---------------------------------|

Step 4. Select a Shell Finish

| | Designates |
|---|--|
| 4 | Electroless nickel |
| 6 | Corrosion resistant stainless steel (connector class 8 only) |
| 9 | Olive drab cadmium |
| D | Durmalon™ * (Nickel-PTFE) |

* Durmalon is a trademark of Amphenol Aerospace. For more information on Durmalon go to page 5. Other finishes available; please contact Amphenol Aerospace for more information.

Step 5. Select a Shell Style

| | Designates |
|---|-----------------------|
| 0 | Wall mount receptacle |
| 1 | Line receptacle |
| 6 | Straight plug |
| 7 | Jam nut receptacle |

Step 6. Select a Shell Size - Insert Arrangement

| Shell Size - Insert Arrg. | Designates |
|---------------------------|-------------------------------|
| 11-01 | Shell size 11 - Single cavity |
| 21-04 | Shell size 21 - Four Cavity |

Step 7. Insert Type & Key/Keyway Position

Insert Type and Keyway Position
P designates pin insert
S designates socket insert
For keyway positioning, choose the alternate rotation suffix from the chart below.

ALTERNATE POSITION SUFFIX

| Alternate Position | Suffix Letter | |
|--------------------|---------------|---------|
| | Pins | Sockets |
| Normal | P | S |
| A | G | H |
| B | I | J |
| C | K | L |
| D | M | N |
| E | R | T |