

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 I

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.

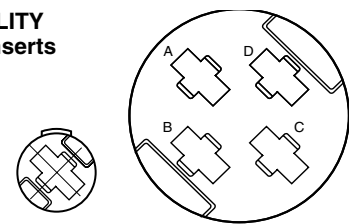
**The features of the MT cylindrical connector include:**

- 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**



**Insert Arrangement**

**11-1**

**21-4**

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
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**Step 2. Select a Connector Class**

	Designates
5	Aluminum
6	Composite
8	Stainless Steel

**Step 3. Terminus Style**

9	MT terminus - Flat ribbon cable
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**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