

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.

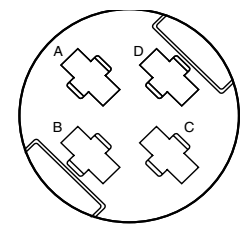
The features of the MT cylindrical connector include:

- 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



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. Connector Type	2. Connector Class	3. Terminus Style	4. Shell Finish	5. Shell Style	6. Shell Size- Insert Arrangement	7. 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