

**Ordering Information for Fiber Optic Pins**

Amphenol Part Number	Fiber Size† Core/Cladding	A Dia. Ref. (Microns)	Ferrule Hole Tolerance	Reference Only M29504/4-XXXX
CF-198142-125	9/125	125	+1,-0	M201504/4-4300*
CF-198142-25A	9/125	125.5	+1,-0	M29504/4-4208*
CF-198142-126	9/125	126	+1,-0	M29504/4-4209*
CF-198036-010	50/125 & 62.5/125	127	+2,-0	Superseded by MIL-PRF
CF-198142-010	50/125 & 62.5/125	127	+2,-0	M29504/4-4040*
CF-198036-017	100/140	145	+3,-0	Superseded by MIL-PRF
CF-198142-017	100/140	145	+3,-0	M29504/4-4044*
CF-198036-29A	100/140/172 (Polyimide)	173	+1,-0	Superseded by MIL-PRF
CF-198142-29A	100/140/172 (Polyimide)	173	+1,-0	M29504/4-4293*
CF-198036-053	200/230	236	+4,-0	Superseded by MIL-PRF
CF-198142-053	200/230	236	+4,-0	M29504/4-4214*

**Ordering Information for Fiber Optic Sockets**

Amphenol Part Number	Fiber Size† Core/Cladding	A Dia. Ref. (Microns)	Ferrule Hole Tolerance	Alignment Sleeve**	Reference Only M29504/5-XXXX
CF-198143-125	9/125	125	+1,-0	C	M29504/5-4309*
CF-198143-25A	9/125	125.5	+1,-0	C	M29504/4-4237*
CF-198143-126	9/125	126	+1,-0	C	M29504/5-4238*
CF-198035-010	50/125 & 62.5/125	127	+2,-0	M	Superseded by MIL-PRF
CF-198143-010	50/125 & 62.5/125	127	+2,-0	C	M29504/5-4046*
CF-198035-017	100/140	145	+3,-0	M	Superseded by MIL-PRF
CF-198143-017	100/140	145	+3,-0	C	M29504/5-4050*
CF-198035-29A	100/140/172 (Polyimide)	173	+1,-0	M	Superseded by MIL-PRF
CF-198143-29A	100/140/172 (Polyimide)	173	+1,-0	C	M29504/5-4296*
CF-198035-053	200/230	236	+4,-0	M	Superseded by MIL-PRF
CF-198143-053	200/230	236	+4,-0	C	M29504/5-4243*

\* Consult Amphenol Aerospace for qualification status.

† Additional fiber optic termini sizes available upon request; consult Amphenol Aerospace for availability.

\*\* C = Ceramic  
M = Metal



**Multi-mode Size 16 Fiber Optic Termini**

Designed for use in the size 16 contact cavities of Multi-channel MIL-DTL-38999 Series III Connectors and CF38999 Fiber Optic Connectors



**Single Mode Size 16 Fiber Optic Termini**

Designed for use in the size 16 contact cavities of Amphenol CF38999 Fiber Optic Connectors

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

# MIL-PRF-29504 Type Termini

## Size 16, Pin and Socket Features

### Amphenol® Multi-mode, Size 16 Termini Features:

- Designed for use in size 16 cavities of MIL-DTL-38999 Series III and Amphenol CF38999 connectors
- Precision ceramic ferrules which precisely position the fiber within the termini.
- Available with metal or ceramic alignment sleeves
- Stainless steel termini bodies and springs.
- Allows for multiple fiber accommodations

### Amphenol® Single mode, Size 16 Termini Features:

- Precision ceramic alignment sleeves ensure accurate fiber to fiber alignment.
- Socket has threaded protective shroud with anti-rotation key, manufactured from rugged PEEK™
- Designed with similar high performance components as the size 16 multi-mode termini
- Maintains fiber optic/electrical hybrid capabilities

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

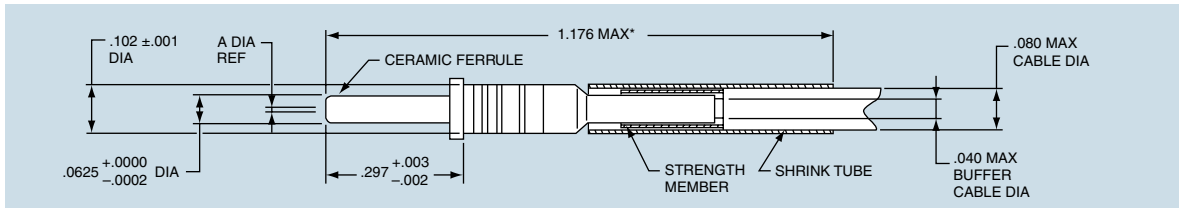
5015  
Crimp Rear  
Release  
Matrix

22992  
Class 1

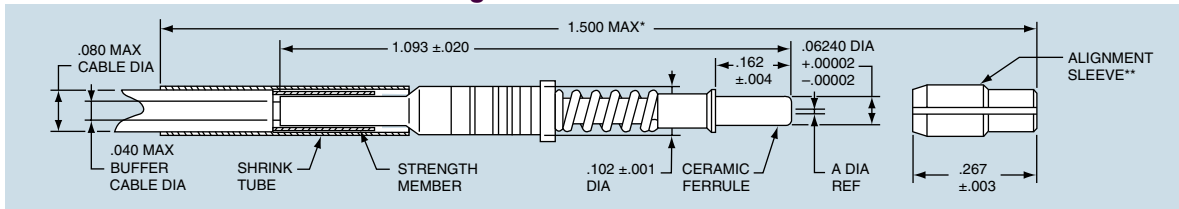
Back-  
Shells

Options  
Others

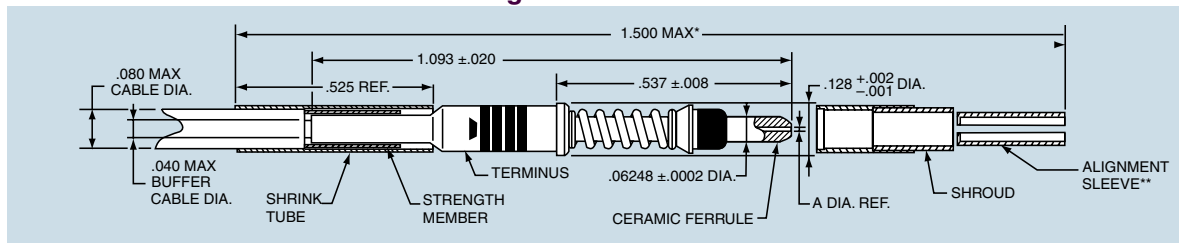
### Size 16 Pin Termini



### Size 16 Socket Termini with Metal Alignment Sleeve



### Size 16 Socket Termini with Ceramic Alignment Sleeve



\* Indicated dimension when fully assembled.

\*\* Alignment sleeve shipped unassembled.  
All dimensions for reference only.