

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| CF-198036-010 | 50/125 & 62.5/125 | 127 | +2,-0 | Superseded by MIL-PRF |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| CF-198036-017 | 100/140 | 145 | +3,-0 | Superseded by MIL-PRF |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| CF-198036-29A | 100/140/172 (Polyimide) | 173 | +1,-0 | Superseded by MIL-PRF |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| CF-198036-053 | 200/230 | 236 | +4,-0 | Superseded by MIL-PRF |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| CF-198035-010 | 50/125 & 62.5/125 | 127 | +2,-0 | M | Superseded by MIL-PRF |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| CF-198035-017 | 100/140 | 145 | +3,-0 | M | Superseded by MIL-PRF |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| CF-198035-29A | 100/140/172 (Polyimide) | 173 | +1,-0 | M | Superseded by MIL-PRF |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| CF-198035-053 | 200/230 | 236 | +4,-0 | M | Superseded by MIL-PRF |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

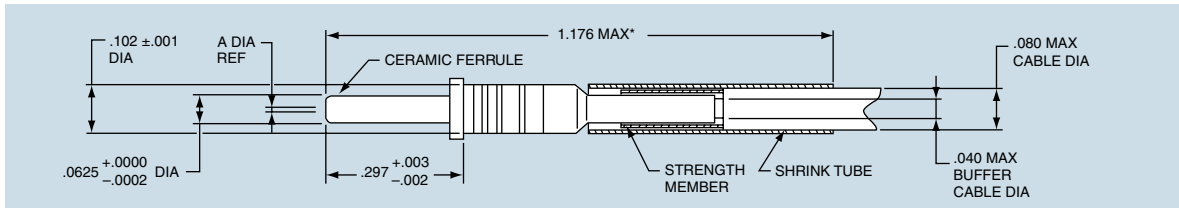
5015
Crimp Rear
Release
Matrix

22992
Class 1

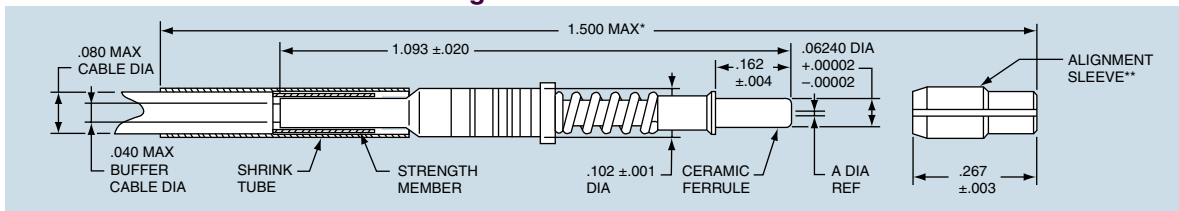
Back-
Shells

Options
Others

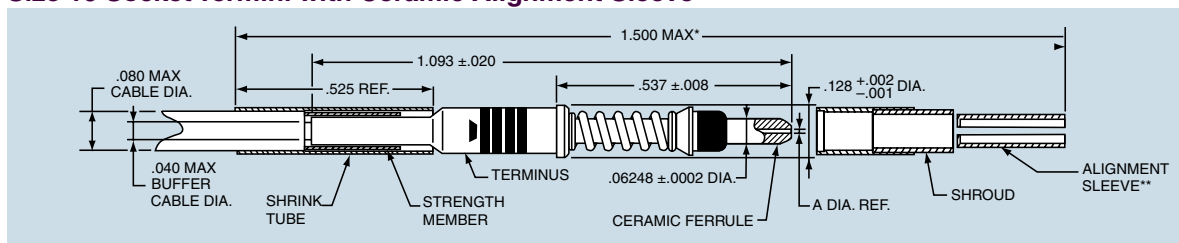
Size 16 Pin Termini



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.

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