

MITS Termini

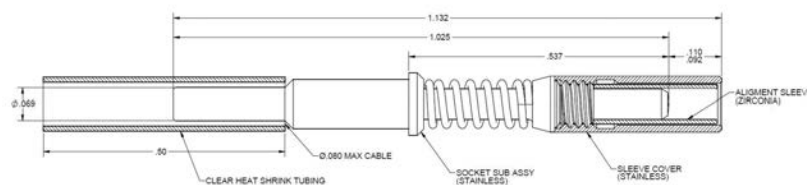
Fiber Optic Termini



Amphenol Fiber Systems International (AFSI) manufactures a complete line of next generation fiber optic termini that are used in a wide variety of connectors for harsh environment applications.

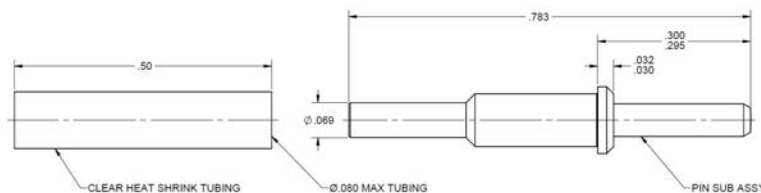
Styled after the MIL Spec 29504/04 & 05 termini and strong enough for all of your industrial needs, the MITS termini is well equipped to handle your harsh environment needs at a cost-effective price.

Socket Assembly:



Dimensions are in inches.

PIN Assembly:



Dimensions are in inches.

Amphenol Fiber Systems International, Inc. | 1300 Central Expressway N, Suite 100 Allen, TX 75013

Phone: (214) 547-2400 | Email: sales@fibersystems.com | Website: www.fibersystems.com

Amphenol Fiber Systems International (AFSI), a division of Amphenol Military & Aerospace Operations (AMAO), is the largest manufacturer of harsh environment fiber optic cable assemblies & connectors in the world. Visit AMAO at amphenolmao.com.

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Amphenol FSI

Features:

- Intermateable with M29504/04 and /05
- Precision fiber optic ceramic ferrules
- Low insertion loss and back reflection
- Pre-radius ferrule design
- Precision "press fit" stainless steel design
- Accurate ferrule alignment system
- Size 16 design (MIL-DTL-38999 compatible)

Benefits:

- Solid reliable connectivity through a wide range of harsh environmental conditions
- Compatible with all qualified MIL-DTL-38999, Series III connectors
- Fast termination and polish time
- Reliable, repeatable and durable connections
- Easy to clean

Applications:

- Harsh environment
- Land tactical applications
- Shipboard

MITS Socket Ordering Part Number:

C29L1055

MITS Pin Ordering Part Number:

C29K1055

Specifications:

Specification	Measurement/Detail
Operating Temperature	-45°C to +85°C
Back Reflection	Better than -40dB - PC Polish Better than -50dB - enhanced PC Polish
Temperature Life	TIA455.4 for duration of 1,000 hours at 165°C
Insertion Loss	0.45dB typical (0.75dB max.)
Vibration	MIL-STD-1678-3 Measurement 3201, test conditions C, 5.3.a (60 G at ambient temp. only)
Mechanical Shock	MIL-DTL-901, grade A, type B, class I TIA-455-14, test condition D (300 G half-shine)
Mating Durability	500 Cycles
Cable Retention Force	25lbs (dependent on cable construction)

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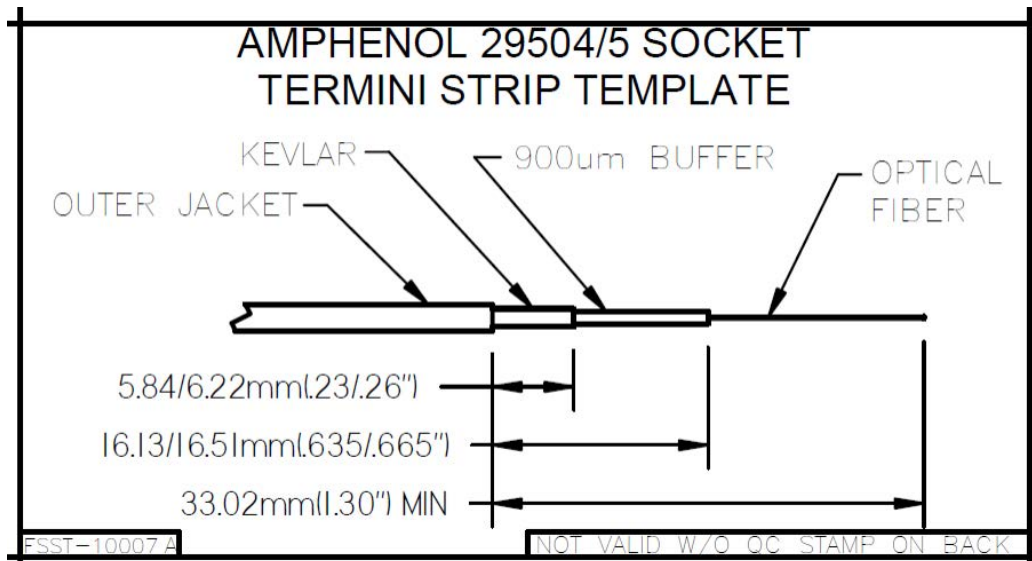
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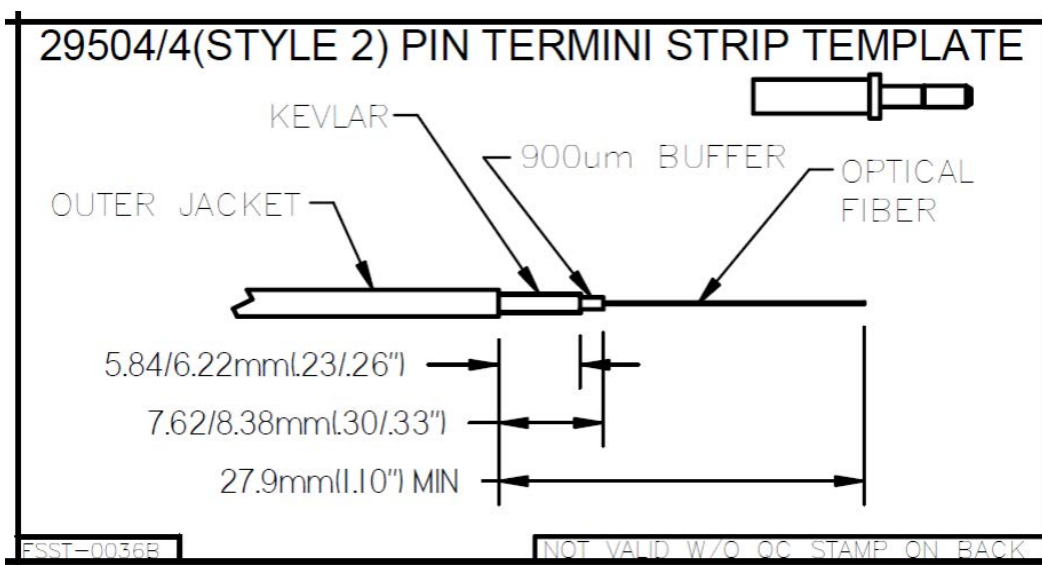
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Socket Strip Template:



PIN Strip Template:



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About the MITS Termini:

Amphenol Fiber Systems International's (AFSI) MITS fiber optic termini provide superior optical and mechanical performance. Designed to fit into MIL-DTL-38999 Series III, pin size 16 connectors, this low-cost, high-precision terminus family is ideal as a cost-effective harsh environment fiber optic interconnection option. Available for single mode and multimode applications, these termini conform to the rigorous conditions of the harsh environment world.

The termini utilize the highest quality zirconia ceramic ferrules and split alignment sleeves available. AFSI's tight-tolerance ferrules are optimized for low insertion loss, low back reflection and exceptional durability. All ferrules are available in standard and ultra polished end faces for those tight optical budget applications. In addition, epoxy removal and polishing times are minimized by the ferrule's pre-radius design feature.

The zirconia split alignment sleeve design ensures accurate physical contact, fiber-to-fiber alignment and guarantees the highest performing connector of its kind for use in a variety of demanding environmental conditions. The fiber optic termination system offers precise, superior and reliable connections over repeated connector mating cycles and through a wide range of harsh environmental conditions.



How to Order:

For more information on how to order or to obtain a price quote on our MITS termini or any of our other products, please call us at 800-472-4225. For international calls please dial 214-547-2400 or e-mail us at info@fibersystems.com.

About Amphenol Fiber Systems International:

Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports reliable and innovative fiber optic interconnect solutions that withstand the harsh environments of military, oil & gas, mining and broadcast applications. After more than two decades in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the TFOCA-II® connector, which AFSI developed and patented.

AFSI has delivered millions of fiber optic connectors in more than 34 countries. Whenever there is a need for superior, cost-effective fiber optic systems and products that will stand up to demanding operating environments, you can rely on AFSI for engineering know-how, top-quality products and expert technical support.

Visit www.fibersystems.com for more information.

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