



M29504/4 & 5

Multimode & Singlemode Termini

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### Key Features



- Manufactured to MIL-PRF-29504/4 and /5 specifications
- Multimode & Singlemode options
- Precision fibre optic ceramic ferrules
- Size 16 for MIL-DTL-38999 Series III
- Precision “press fit” stainless steel
- Low loss performance

These termini utilise the highest quality zirconia ceramic ferrules and split alignment sleeves available. The tight tolerance ferrules are optimised for low insertion loss and exceptional durability. Designed and manufactured to MIL-PRF-29504/4 and /5 specifications, ensuring 100% compatibility with MIL-DTL-38999 Series III connectors.

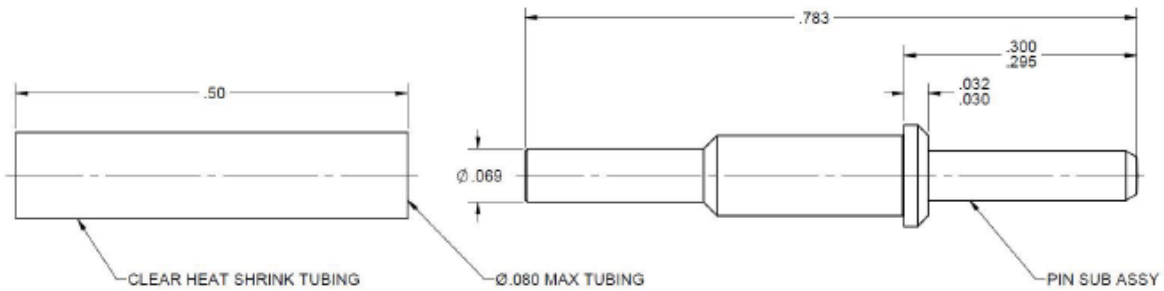
### Typical Markets / Applications

- Avionics
  - Commercial Aircraft
  - Military Deployable Systems
  - Shipboard
  - Harsh environments
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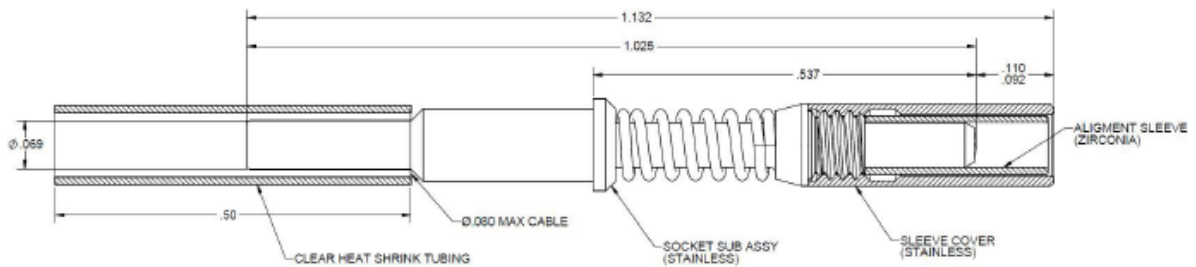
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#### Pin Termini



#### Socket Termini



#### Specifications

Specification	Measurement / Detail
<b>Operating Temperature</b>	-55°C to +165°C
<b>Temperature Life</b>	TIA455.4 for duration of 1,000 hrs at 165°C
<b>Insertion Loss</b>	0.45 typical (measured with 50/125 @1300nm)
<b>Vibration</b>	MIL-STD-1678-3 – 3201 test conditions C
<b>Mechanical Shock</b>	MIL-DTL-901, grade A. type B, class 1
<b>Mating Durability</b>	500 Cycles



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## Part Numbering

Pin Part Number	Ferrule ID	Mil Spec Ref
M29K1000	.127 + .002	M29504/4-4040
M29K1001	.126 + .002	M29504/4-4210
M29K2000	.126 + .001	M29504/4-4209
M29K5000	.156 + .003	M29504/4-4211
M29K5001	.157 + .003	M29504/4-4212
C29K8050	.283 + .003	M29504/4-4215

Socket Part Number	Ferrule ID	Mil Spec Ref
M29L1000	.127 + .002	M29504/5-4046
M29L1001	.126 + .002	M29504/5-4239
M29L2000	.126 + .001	M29504/5-4238
M29L5000	.156 + .003	M29504/5-4240
M29L5001	.157 + .003	M29504/5-4241
C29L8050	.283 + .003	M29504/5-4244