

INCH-POUND

MIL-PRF-29504/3B  
12 November 2002  
SUPERSEDING  
MIL-T-29504/3A  
19 December 1989

PERFORMANCE SPECIFICATION SHEET

TERMINI, FIBER OPTIC, CONNECTOR, REMOVABLE,  
ENVIRONMENT RESISTING, DUMMY TERMINUS,  
(FOR MIL-C-28876 AND MIL-C-83526 CONNECTORS)

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
shall consist of this specification and MIL-PRF-29504.

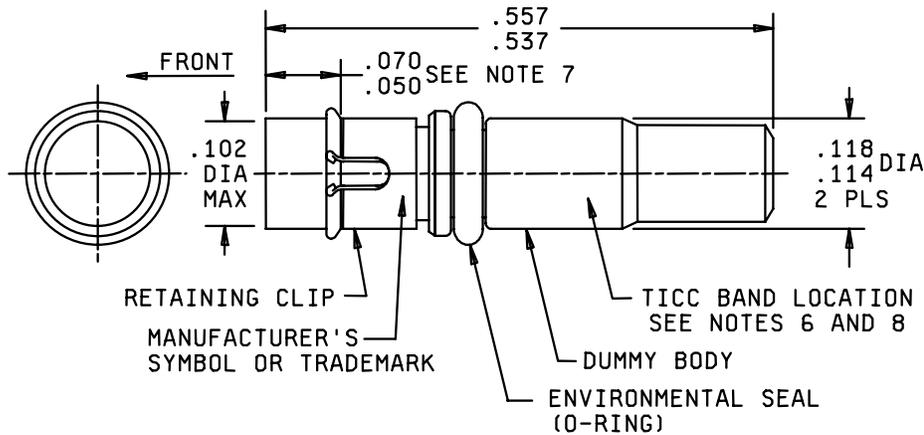


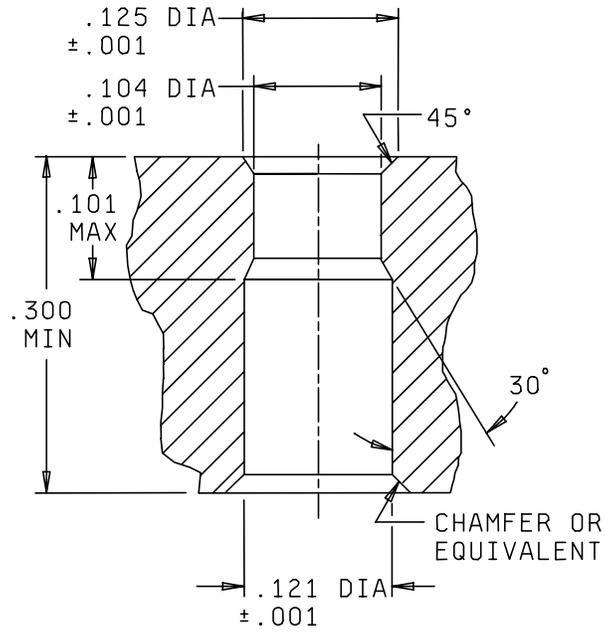
FIGURE 1. Dummy terminus

Inches	mm
.050	1.27
.070	1.78
.102	2.59
.114	2.90
.118	3.00
.537	13.64
.557	14.15

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. All diameters to be concentric within 0.002 inch (0.05 mm).
4. Dimensions apply to plated/finished part.
5. Dummy termini to be used to fill unused cavities.
6. The TICC bands shall be at the rear of the dummy terminus.
7. Dimensions to be measured with terminus installed in connector insert or equivalent gauge fixture.
8. The dimension shown is effective prior to the application of the TICC marking.

FIGURE 1. Dummy terminus - Continued.



Inches	mm
.001	0.03
.101	2.57
.104	2.64
.121	3.07
.125	3.18
.300	7.62

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. All diameters to be concentric within 0.002 inch (0.05 mm).
4. Dimensions apply after to plated/finished part.
5. Tolerance on all angles is  $\pm 1^\circ$ , unless otherwise noted.

FIGURE 2. Insert equivalent fixture for terminus measurement.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figures 1 and 2 and table II.

Weight: 1.0 gram maximum.

Adhesives: Not applicable.

Tools: See table I.

Insertion loss: Not applicable.

Optical discontinuity: Not applicable.

Circular runout: Not applicable.

Return loss: Not applicable.

Change in optical transmittance: Not applicable.

Terminus engagement and separation force: Not applicable.

Fiber pullout: Not applicable.

Cable pull out: Not applicable.

Environmental/mechanical: Termini shall be tested to the following MIL-PRF-28876 environmental and mechanical requirements. Change in optical transmittance and optical discontinuity requirements are not applicable.

- Impact
- Vibration
- Shock
- Thermal shock
- Temperature/humidity cycling
- Temperature cycling
- Temperature life
- Flammability
- Ozone exposure

Qualification connector: The qualification connector for this terminus shall be a qualified MIL-PRF-28876 connector.

Part or identifying number (PIN): See table II and 6.6 of MIL-PRF-29504.

M29504/3

-XXXX

Basic specification  
and specification  
sheet

TICC Code  
(see table I)

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Usage: Termini compliant with this specification sheet may be used in connectors other than MIL-PRF-28876 at the discretion of the acquiring activity.

Qualification by similarity: Manufacturers who are qualified under MIL-PRF-29504/14 or /15, and whose terminus passes Size, Weight, Identification marking, and Workmanship specified herein, are qualified under this specification sheet. This qualification by similarity is valid only if the same materials are used in the construction of this terminus as are used in the construction of the qualified /14 or /15 terminus.

TABLE I. Tools

Tool	Part number
Insertion tool	NAVSEA DWG 6872813-2 (NSN 5120-01-144-5338)
Removal tool	NAVSEA DWG 6872813-6 (NSN 5120-01-419-2942)

TABLE II. The PIN and supersession data.

TICC	PIN	Superseded PIN	Superseded manufacturer's PIN	CAGE
-4038	M29504/03-4038	M28876/18-16	1143274S	53669

Custodians:  
 Army - CR  
 Navy - SH  
 Air Force - 11  
 DLA - CC

Preparing activity:  
 Navy - SH

Agent:  
 DLA - CC

Review activities:  
 Navy - AS  
 Air Force - 03, 13, 19, 93, 99  
 NASA - NA  
 DIA - DI

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