

# TYPE N CONNECTOR GAGE KIT

## Features

- Direct Reading
- Self Checking
- Accurate
- Easy To Use



## Description

The model A007A connector gage kit is designed to measure the center contact pin location from the outer conductor mating surface of type N female and male connectors per MIL-C-39012 class 2. Refer to dimensions A and B in [figure 1](#).

This gage kit provides a fast and accurate means for checking connectors for compliance to applicable interface specifications. Since it is basically a comparator, it can be used to check a variety of nominal dimensions. The indicator is zeroed by means of a master gage with the appropriate nominal dimensions; then, it is engaged to the connector being tested. The resultant reading is the actual deviation from the nominal dimension. The accuracy of the measurement is the tolerance of the master gage nominal dimension itself. This kit consists of a dial indicator assembly graduated in 0.001 increments, interchangeable female and male measurement bushings and a master gage supplied in a wood instrument case (size — 5.0 L x 3.0 W x 3.5 D)

with complete operating instructions. All gage parts and the master gage are made from stainless steel for long wearing characteristics.

This gage is very useful in a variety of applications such as: production checkout, incoming inspection, quality control, and in the laboratory.

**Table 1**

Gage Kit Model	Master Gage Dimensions*		Military Specification
	Female	Male	
A007A	0.207 <sup>+0.000</sup> <sub>-.001</sub>	0.210 <sup>+0.001</sup> <sub>-.000</sub>	MIL-C-39012 Class 2

\*Refer to data sheet [2Y-003](#) for additional master gages available.



## Dimensions

Figure 1 — Contact Pin Location Dimensions

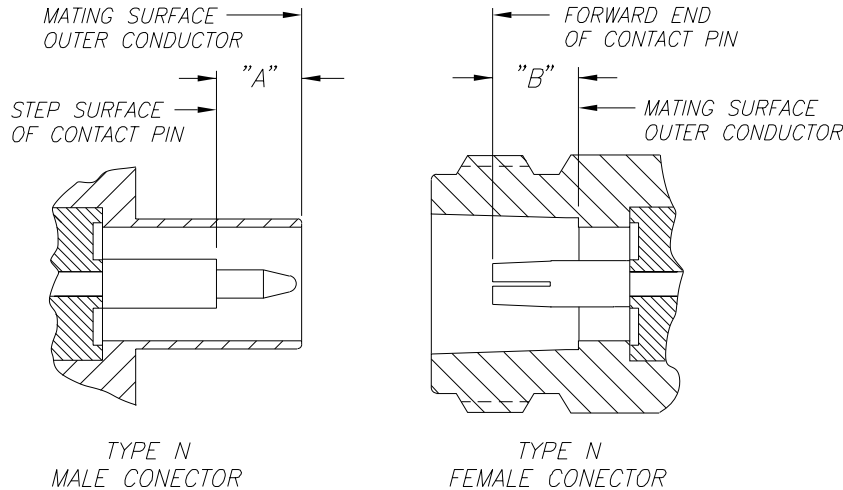


Table 2

Contact Pin Locations for Commonly Used Type N Connectors

Item	Specification	A	B	Center Contact Gap			Comments
				Minimum	Nominal	Maximum	
A	Red dot 5E-049	0.207 <sup>+0.003</sup> <sub>-0.000</sub>	0.207 <sup>+0.000</sup> <sub>-0.003</sub>	0.000	0.000	0.006	Maury precision type N connector <a href="#">1</a>
B	---	0.207 <sup>+0.010</sup> <sub>-0.000</sub>	0.207 <sup>+0.000</sup> <sub>-0.010</sub>	0.000	0.000	0.020	<a href="#">2</a>
C	MIL-C-39012 Class 1	0.208 <sup>+0.003</sup> <sub>-0.000</sub>	0.207 <sup>+0.000</sup> <sub>-0.003</sub>	0.001	0.001	0.007	MIL-C-39012C standard test connector
*D	MIL-C-39012 Class 2	0.210 <sup>+0.020</sup> <sub>-0.000</sub>	0.207 <sup>+0.000</sup> <sub>-0.020</sub>	0.003	0.003	0.040	Type N general specification <a href="#">3</a>
E	White dot	0.2070 <sup>+0.0005</sup> <sub>-0.0000</sub>	0.2070 <sup>+0.0000</sup> <sub>-0.0005</sub>	0.0000	0.0000	0.0010	Maury high precision type N connector

\*The A007A kit is designed to measure this specification.

- [1](#) Precision connector compatible with most precision type N connectors in use today.
- [2](#) Maury general purpose type N connector per MIL-C-39012C except dimension A is reduced and the tolerances are tighter.

- [3](#) Maury recommends that for better quality the following tolerances be used:

$$A = 0.210^{+0.010}_{-0.000} \quad B = 0.207^{+0.000}_{-0.010}$$