



center conductor. To cover all commonly used MIL-STD and IEC connectors, a gage kit capable of measuring over ten variations

in interface dimensions is required. The A012E can measure all of these variations.

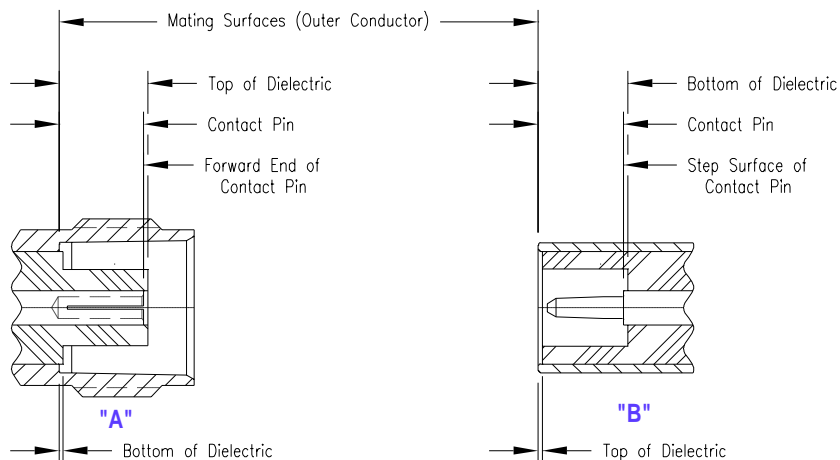


Figure 1 — Critical Pin and Dielectric Location of TNC Connectors



Figure 2 — Air Interface on Male Connector

A012E and E01 Uncertainty Data

Characteristics	Limits	Comments
Gage resolution	± 0.000020	1/5 Least dial graduation ¹
Gage calibration accuracy ⁵	± 0.000150	1 Least dial graduation ² plus 0.000050 measurement guardband
Gage repeatability	± 0.000020	1/5 Least dial graduation ²
Master accuracy	± 0.000250	0.00050 Range ³
Total Uncertainty ^{4,5}	RSS	± 0.000293 Root sum of the squares
	Worst Case	± 0.000440 Add resolution, repeat-ability, gage and master accuracy limits

Notes

- ¹ Per ASME B89.1.10M-2001, C5.1.2.
- ² Per ASME B89.1.10M-2001, Table 2.
- ³ Per manufacturer's specification.
- ⁴ Performance standards are in compliance with ANSI/NCSL Z540-1, MIL-STD-45662A and ISO 10012-1.
- ⁵ Applies over the operating range for connector gaging +0.003/-0.009" from master gage zero setting.