

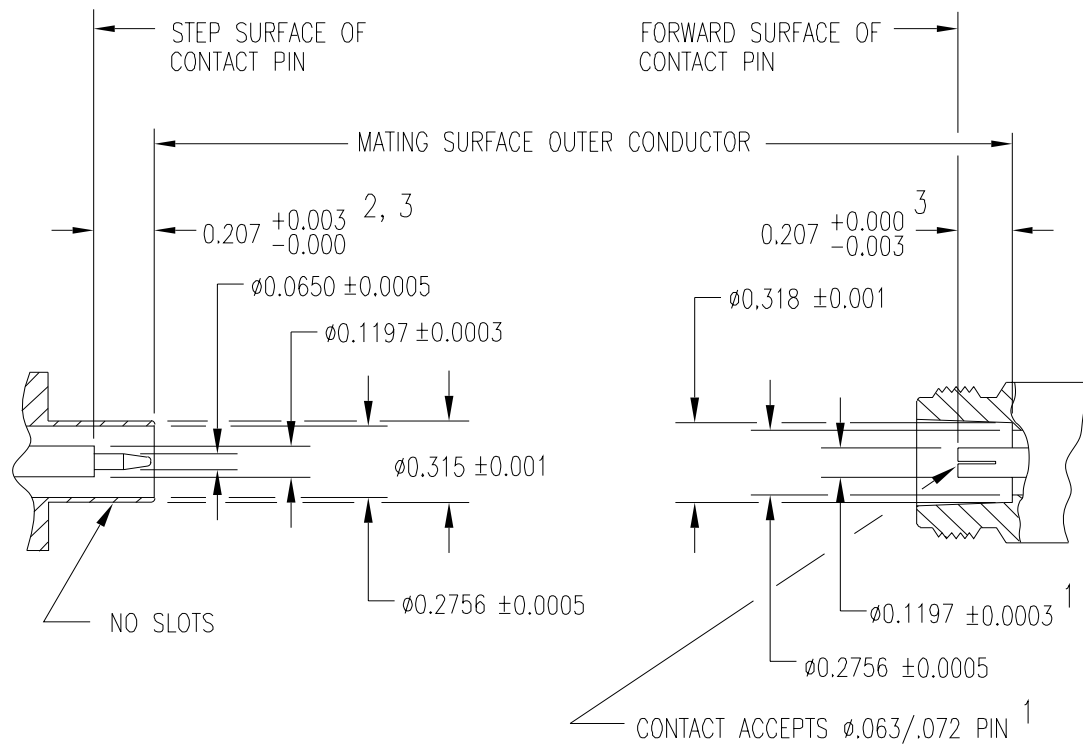
# PRECISION TYPE N CONNECTORS

## INTERFACE DIMENSIONS AND CRITICAL COAXIAL LINE PARAMETERS

### Description

The Maury type N connector is a precision design that exhibits extremely low VSWR and operates from DC to 18 GHz. The male connectors are provided with a 3/4 hex coupling nut so they can be properly torqued to 12 in/lb.

Connector bodies are made from stainless steel, and contacts are made from gold plated and heat treated beryllium copper contacts to insure long life and reliability.



**Figure 1: Interface Dimensions**

<sup>1</sup> The diameter over the slots shall be  $0.1197 \pm .001$  diameter with a  $0.065 \pm .00005$  diameter x .195 pin inserted in the contact.

<sup>2</sup> These connectors meet all applicable interface requirements of MIL-C-39012/1 and /2, except dimension flagged which is .210 minimum on MIL-C-39012/1. The connectors will mate properly with MIL-C-71, MIL-C-39012, MIL-T-81490 and most other semi-precision type N connectors presently in use.

<sup>3</sup> Inspect these dimensions with connector gage model A020A (push on) or A020D (thread on).