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PRECISION 3.5mm (APC3.5) COAXIAL CONNECTORS

Interface Dimensions

Description

Precision 3.5mm (APC3.5) connectors are miniature, air-interface connectors for use up to 34 GHz. They feature extremely low VSWR and insertion loss, and are designed to non-destructively mate with standard SMA connectors.

These connectors generally have a bead support and comply with proposed USNC/IEC/SC46D - general precision connector instrument grade - GPC3.5B.

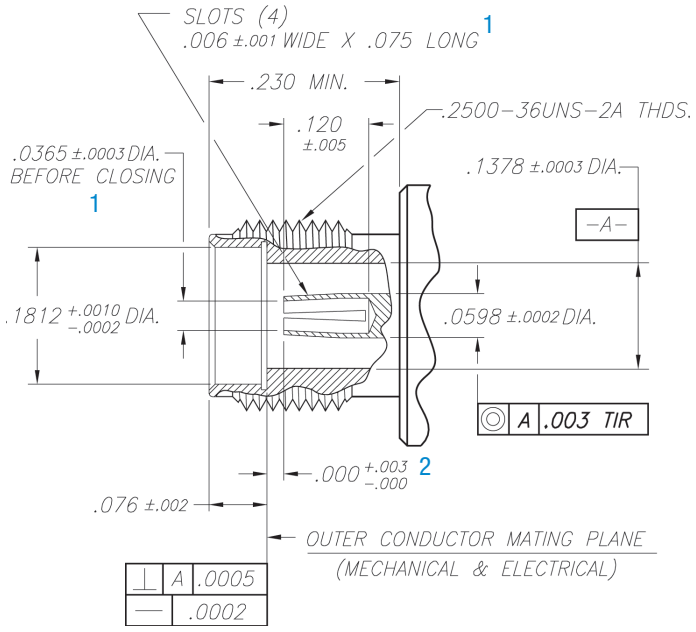


Figure 1: Female 3.5mm connector

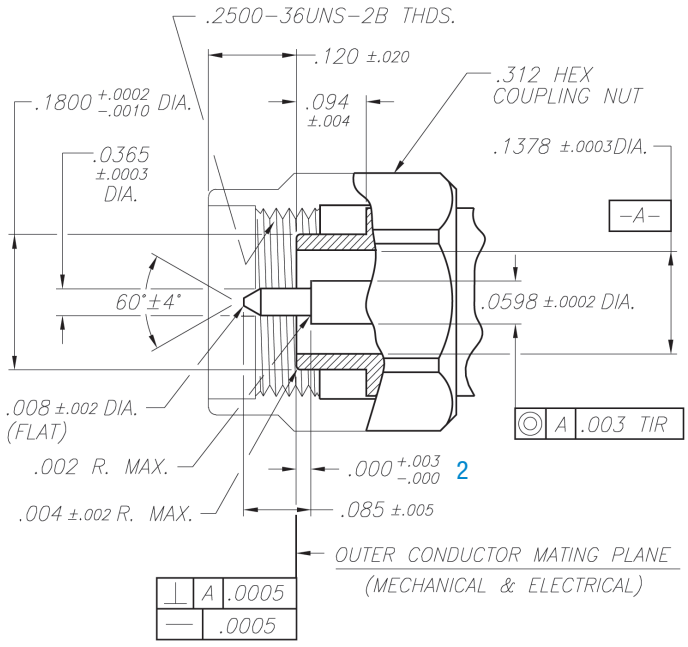


Figure 2: Male 3.5mm connector

1 The female center contact is designed to mate with a 0.0365 inch diameter, nominal, male contact pin. However, it is capable of making proper electrical contact with a 0.035 min. to 0.037 max. inch diameter male contact pin. Also, the diameter over the slots is larger to compensate for the slot reactance.

2 Maury Microwave Corporation Connector Gage Kit Models A034B, A034C, and A034E are designed to properly gage the contact pin location of these connectors.

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