

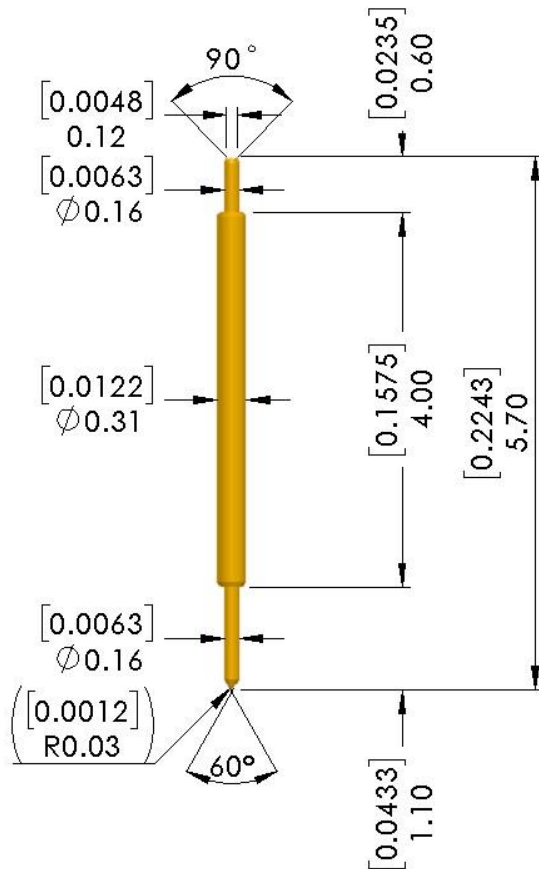


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DE1-031BF40-02C0

Device



L/B

Material & Finishes

- Device Side Plunger :SK4 alloy with Au plated
- L/B Side Plunger :BeCu alloy with Au plated
- Barrel :Phosphor Bronze alloy with Au plated
- Spring : Music Wire (SWP) with Au plated

Mechanical

- Full Travel : 1.00mm
- Recommended Travel : 0.65mm
- Spring Force : 25g $\pm 20\%$ at 0.65mm
- Durability : 200K cycles (minimum)
- Operating Temp. : -15°C~125°C

Electrical Analysis Tools

- Agilent Network Analyzer E5071C
- Tektronix DSA8200
- HFSS, ADS, Q3D, Designer

Electrical Characteristics

- Current Rating : 1A Continuous
- Contact Resistance : <175m Ω (AVG)
- Characteristic Impedance : 40.68 Ω
- Insertion Loss: -1dB@10.42GHz
- Return Loss: -20dB@2.76GHz
- Time Delay: 29.25psec
- Loop Inductance: 1.19nH
- Capacitance: 0.72pF

