

# Abstracts

## Effects of pin depth in LCP 3.5 mm, 2.4 mm, and 1.0 mm connectors

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*B.B. Szendrenyi. "Effects of pin depth in LCP 3.5 mm, 2.4 mm, and 1.0 mm connectors." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1859-1862.*

A High Frequency Structure Simulator (HFSS) has been used to calculate the effect of pin depth (or pin gap) in popular coaxial connectors. The extremely low noise level (-100 dB) of the calculation is used to determine the low VSWR contribution of the recessed center conductor. This technique provides at least 20 dB lower level insight into the return loss values of pin depth over the data from vector network analyzer measurements.

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