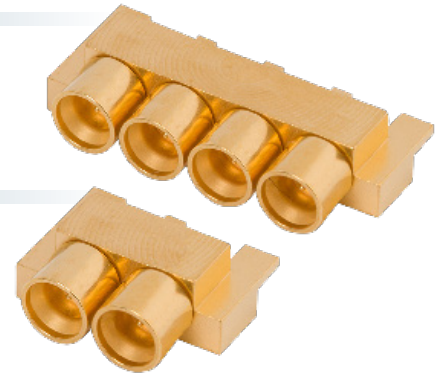


SMPM-XT Interconnects



Features & Benefits

- Up to 4x as tolerant for axial misalignment than standard SMPM
- Affordable and simple alternative to Spring Bullets
- Tighter pitch than SMPM Spring Bullets
- Uses proven SMPM interfaces
- No sacrifice in durability

Applications

- High-density, small form factor systems
- Complex board stacks with multiple simultaneous mates
- Large-scale blind-mate arrays

Bridging the Gap

When applications demand extra axial tolerance, the SMPM-XT Interconnect offers a smart alternative to spring-bullet designs. It delivers increased mating tolerance and reliable performance without the added cost or mechanical complexity. Best of all, the SMPM-XT bullet maintains full compatibility with standard SMPM male connectors.

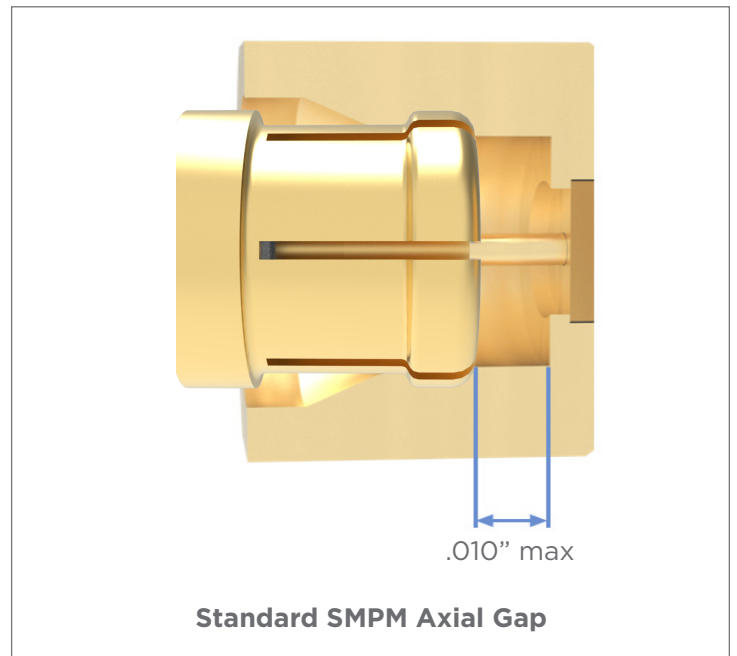
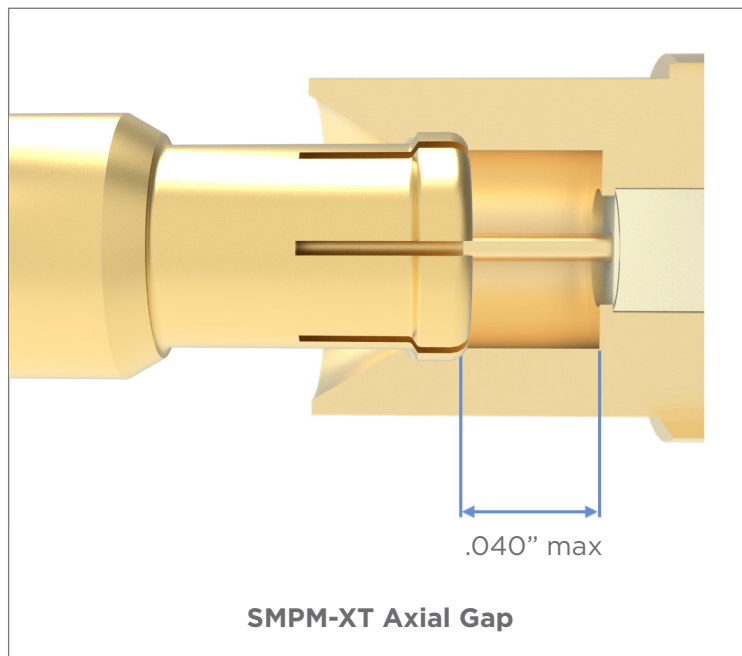
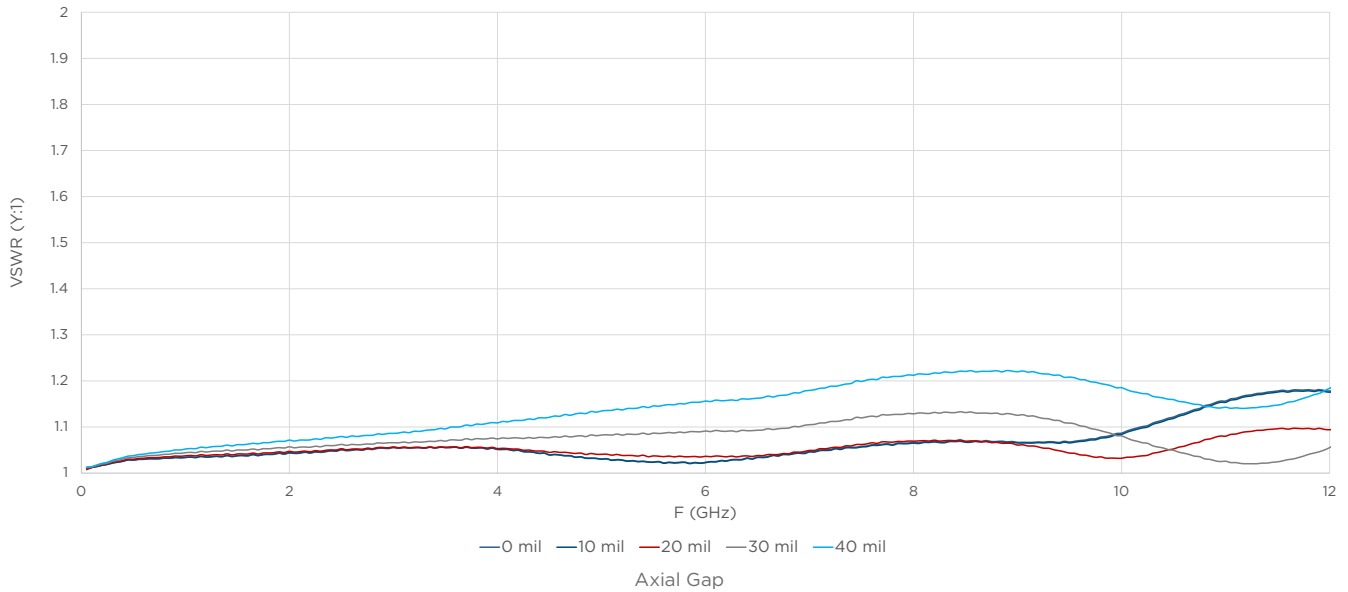


Figure 1: Cross-section comparison of the maximum allowable gap between SMPM-XT and SMPM connectors.

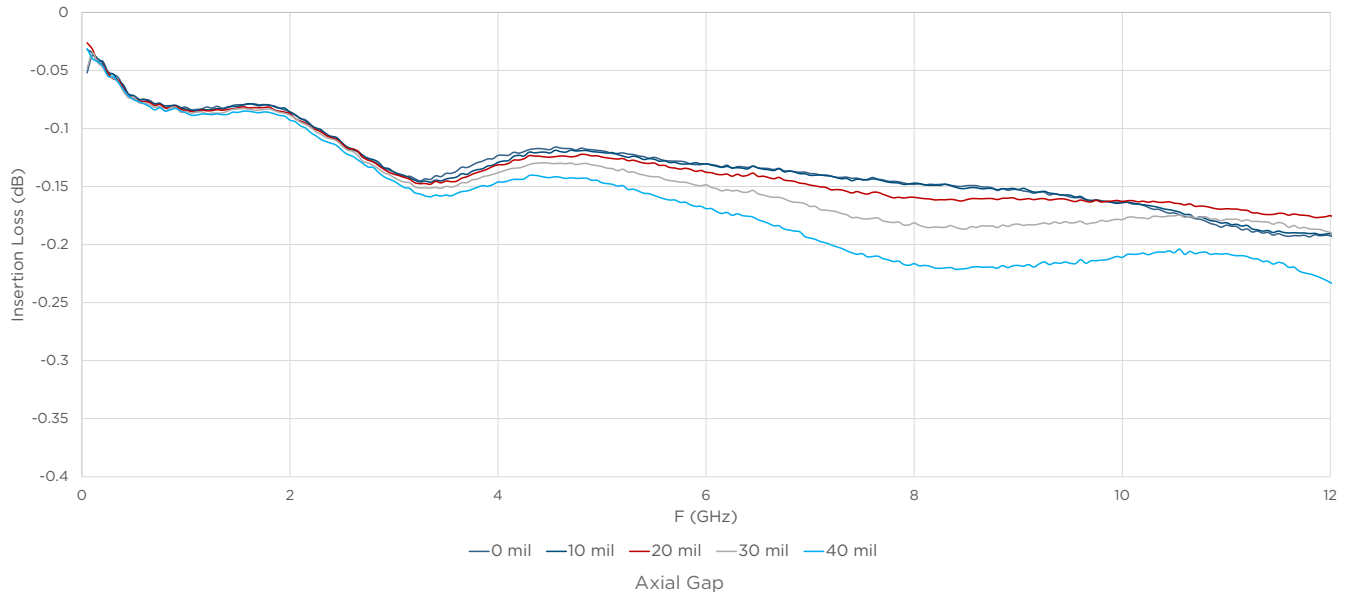
Performance Metrics and Alignment Data

The below plots show typical VSWR and IL variation from DC to 12 GHz for an SMPM-XT pair, with increasing gap at mating plane.

SMPM-XT Mated Pair VSWR Data - DC to 12 GHz



SMPM-XT Mated Pair IL Data - DC to 12 GHz



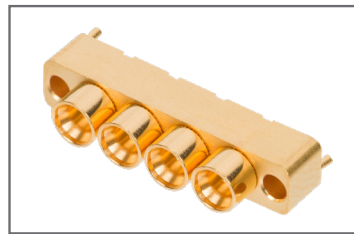
1132-6157

SMPM-XT Female to Female Bullet (OAL 0.330)



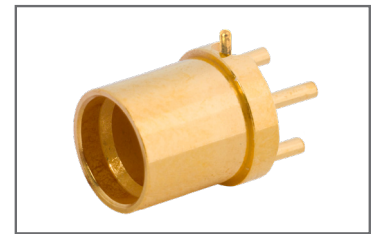
9311-60351

SMPM-XT Male PCB Edge Launch Connector, 2 Port, SB



9311-60348

SMPM-XT Male PCB Surface Mount Connector, 4 Port, SB



3211-60488

SMPM-XT Male PCB Surface Mount Connector, SB