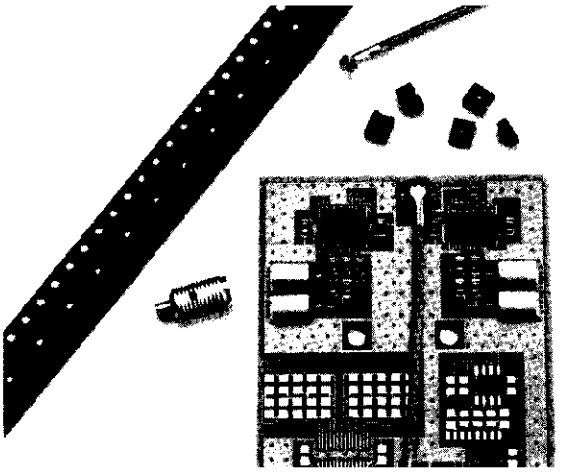
OSMT Interconnect System
Surface Mount Coaxial Connectors

Features
- Occupies less (PCB) real-estate than conventional through hole connectors
- 4.2 [.165] fully mated height off PCB
- Performance through 6GHz
- Tape & reel packaging available

Applications
- Telecommunications
- GPS
- Consumer & automotive electronics



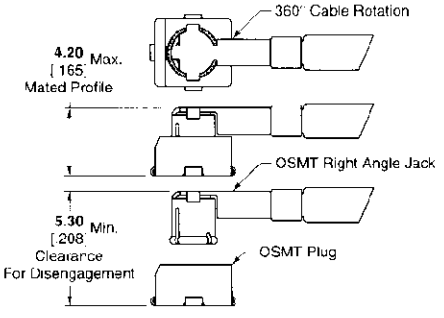
The OSMT Interconnect System is designed to meet the growing demand for surface mount RF connector technology. The OSMT occupies less printed circuit board (PCB) real estate than conventional through hole coaxial connectors. An innovative microstrip mounting pattern and plug receptacle design ensure reliable grounding and PCB retention characteristics. The OSMT Interconnect System also allows closer PCB pitch/spacing, standing a mere 4.2 [.165] (fully mated height) off the board. A new higher cable retention plug receptacle has been added to the OSMT product family. This new design addresses applications where force is applied to the mated connector interface as a result of cable flexure between boards or around other PCB components.

The OSMT Interconnect System consistently achieves broad band electrical performance through 6 GHz with a maximum VSWR of 1.20:1 at 2 GHz and 1.40:1 at 6 GHz. This broad band performance establishes a reliable interface that can be utilized for future system upgrades without concerns for performance degradation.

The OSMT plug receptacle is designed for high volume assembly using surface mount technology and is available in tape and reel packaging for automated pick and place board assembly. The mating cable jack is available terminated to a specially designed coax cable as either a pigtail, jumper or standard interseries connector assembly.

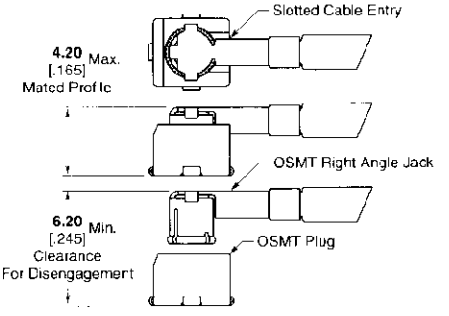
Specially designed engage/disengage tooling is available to ensure proper alignment of the OSMT interface during assembly. The higher retention plug receptacle can be hand engaged as a result of a unique lead-in chamfer design which also aligns the contacts prior to mating to ensure mechanical integrity. Interface durability is rated at 100 mating cycles.

The OSMT Interconnect System is ideal for surface mount applications in telecommunictions, GPS, consumer and automotive electronics. The OSMT provides versatile RF solutions for next generation interconnect needs.



M/A-COM Model Number	Part No.
2367-0000-54	1251802-1

High Retention Design



M/A-COM Model Number	Part No.
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