



Amphe-BTS

BACKGROUND

With the rapid development of communication technology, the next generation of base stations are no-compromise. They are an energy efficient compact site solution that can support GSM/EDGE, WCDMA/HSPA, and LTE standards in a single package.

PROBLEM

Because a connector will be used in a multi-standard base station, the power interconnect solution needs to fulfill the strictest requirements:

- High reliability, must have a 50 year lifespan
- EMI resistant
- Corrosion resistance according to ISO 21207 Method B 5 cycles
- Fire resistant to UL94-V0
- Small in size, for easy field installation

SOLUTION

AIO has developed the Amphe-BTS to meet the requirements set forth for the next generation of base stations.

It's a circular connector based on MIL-C-26482 series 2 with clip retention contacts. The bayonet locking mechanism, guarantees strong vibration and shock resistance. The Amphe-BTS provides 360 degree EMI shielding with grounding fingers. The special tin-nickel shell plating meets corrosion requirements. Contacts are terminated by screws for field installability.

In addition to our standard 2-way 48V DC power Amphe-BTS, Amphenol has introduced a 48V DC 2-way reverse gender and a 3-way 400VDC/250V AC connector. Contact Amphenol for more product details.