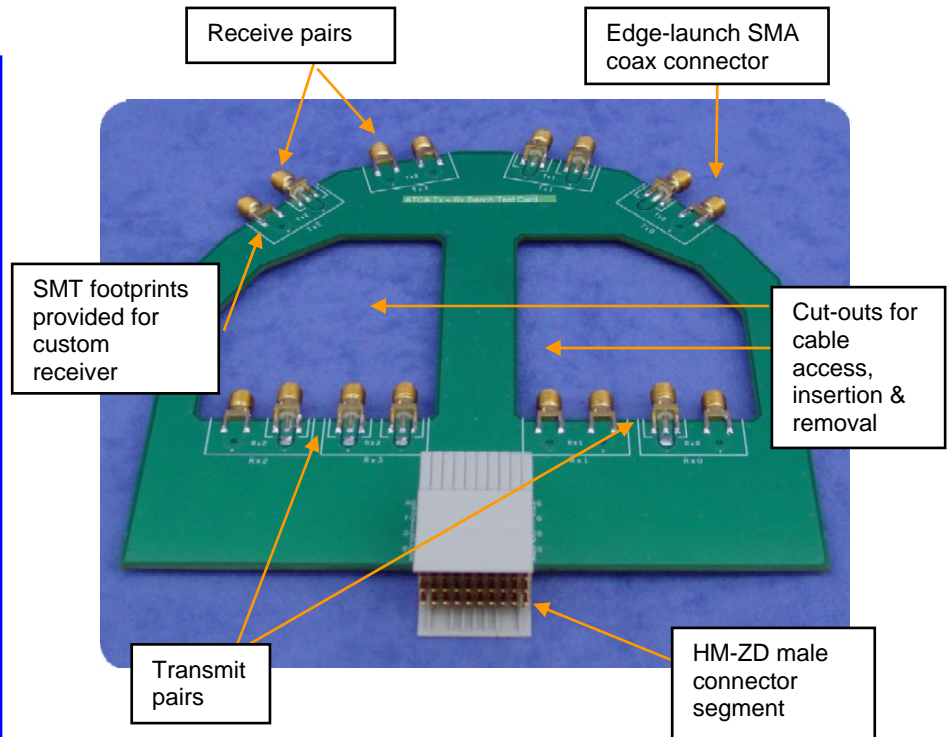


# AdvancedTCA Tx/Rx BenchBlade™

## Product Overview

The F9 Systems Tx/Rx BenchBlade test card offers the flexibility to verify the performance of AdvancedTCA fabric and base channels. The set of four (4) Transmit pairs and four (4) Receive pairs allows access to a full channel's eight (8) pairs for complete logic card characterization.

The card includes a HM-ZD Male connector segment for access to the Zone 2 connectors of a switch fabric or node card. Edge-launch SMA connectors are utilized for ease of test cable attachment. SMT pads are included on the Receive pairs.



## Tx/Rx BenchBlade Key Product Features

### Analysis Options:

- Eliminate the dependency on logic card availability for system evaluation
- Verify design compliance with ATCA
- Skew and connectivity (TDT)
- Signal Impedance (TDR)
- Sample SERDES signals across a backplane
- Investigate alternatives for design optimization
- Probe, observe and measure eye-openings
- Provides four (4) Transmit and four (4) Receive pairs to test a complete ATCA channel.
- Edge-launch SMAs for superior bandwidth and ease of test cable attachment.
- SMT pads provided on Receive channels.
- Cut-outs for cable access to Receive pairs and ease of card insertion and removal.
- Receive channels capable of utilizing high bandwidth coaxial blocking capacitors.
- Differential impedance of 100  $\Omega$  +/-5%.