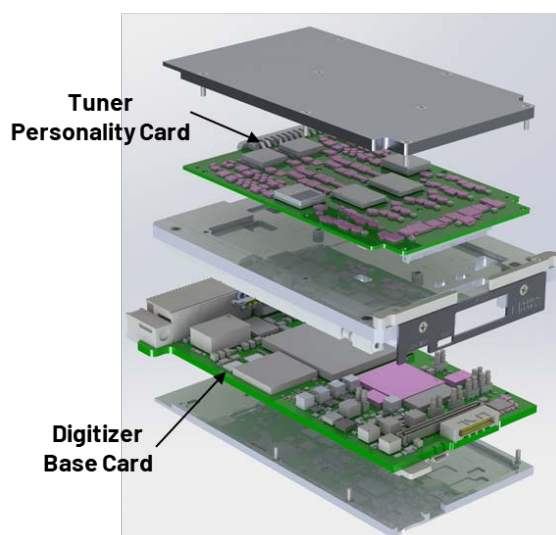




Features

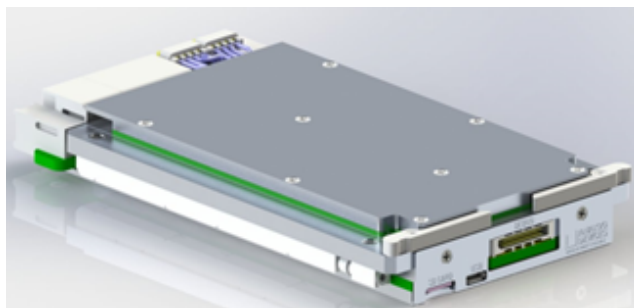
- ✓ **Four Transmit (Tx) Channels**
 - Up to 28GSPS DACs
- ✓ **Four Receive (Rx) Channels**
 - Up to 20GSPS ADCs
- ✓ **Swappable RF Tuner Personality Cards**
 - 0.1-20GHz Tuning
 - Multiple Tuner Options
 - Phase and Hop Coherency
- ✓ **Memory Options**
 - 8 GB DDR4 Data Memory
 - 4 GB DDR4 Processing Memory
 - 270 Mb Ultra RAM

3U VPX



- ✓ **RF/Microwave Tuner Personality Card and Digitizer Base Card located in the 1" pitch chassis**

Analog Devices' ADSY1100-series is a family of wideband multichannel RF digitizers in a 3UVPX SOSA®-aligned format. The system is built around ADI's next generation "Apollo" MXFE™ product ([AD9084](#)) featuring DAC sample rates up to 28 GSPS and ADC sample rates up to 20 GSPS in a 4Tx / 4Rx configuration.

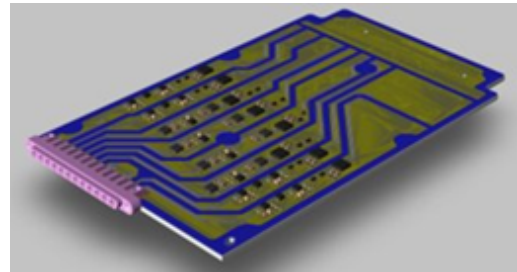


RF/Microwave Tuner Personality Cards

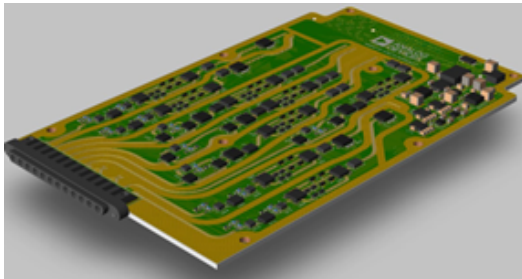
Tuner cards are swappable for a common base card



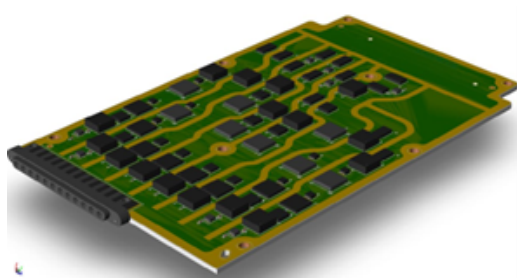
Passthru Tuner, 1st and/or 2nd Nyquist for Direct-Sampling



0.01-8.5GHz 1st Nyquist Tuner for Direct-Sampling



0.1-18GHz 1st and/or 2nd Nyquist Tuner for Direct-Sampling



0.1-20GHz, 1st Nyquist Tuner with Integrated Up-/Down-Conversion

FUNCTIONAL BLOCK DIAGRAM

