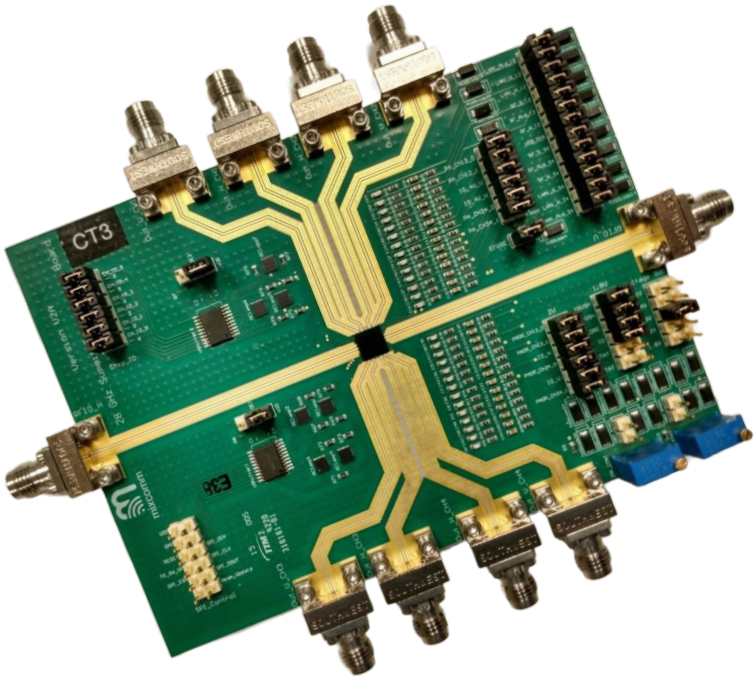
PRODUCT BRIEF - WIRELESS

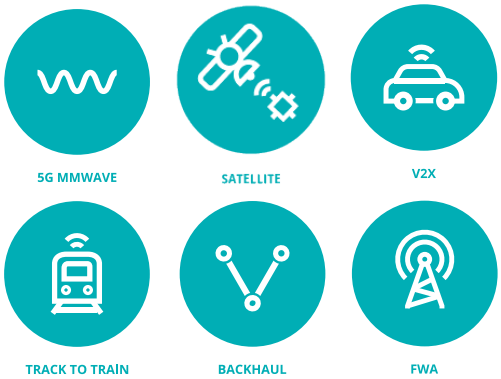
SUMMIT2629eEVB (26.5-29.5 GHz)

Speed up mmWave phased array antenna's development using our BFIC evaluation boards



SUMMIT2629eEVB is a connectorized evaluation board featuring the beam former IC SUMMIT2629e, which is a highly integrated beam-forming front end for use in 5G phased array antennas, covering FR2 band n257 from 26.5 to 29.5GHz.

The SUMMIT2629e allows for lower cost, more compact, and higher data rate 5G systems with exceptionally high linear output power, efficiency, and integration.



KEY FEATURES

- Four-Element Dual-Polarization (8 Total Channels)
- Full TX/RX TDD RF chains
- Ultra-low TX and RX Power Consumption
- High-Power Stacked SOI CMOS PAs
- Low-loss T/R switches for TDD applications
- Independent dual polarization beam directions
- Wide band receive and transmit antenna array optimized for operation in the n257 GHz band
- 1V, 1.8V, and 4V Power Supplies
- 125MHz SPI
- 2048-entry on-chip Beam Table Storage

The SUMMIT2629eEVB provides connectorized access to all RF ports of the IC, which includes the 4 antenna-side ports in each of the horizontal and vertical polarizations, and the common ports in each polarization (10 RF ports in total).

The evaluation board needs 4V, 1.8V and 1V DC power supplies and comes with a USB-to-SPI adaptor for easy programming of the IC through MATLAB scripts or command line interface.

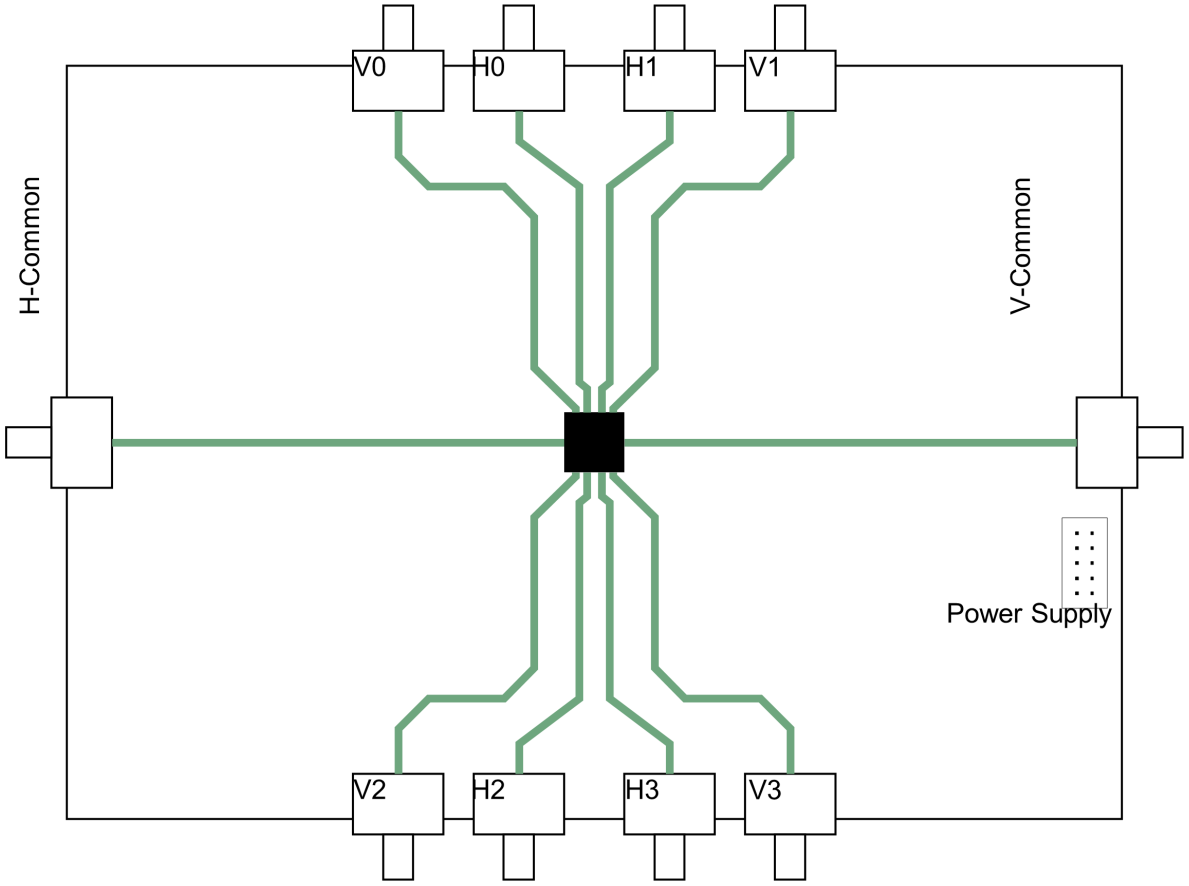


Figure 1. SUMMIT2629eEVB Schematic

For more information please contact: sales@sivers-wireless.com

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