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bladeRF 2.0 micro xA4

WRL-15043

DESCRIPTION

INCLUDES

FEATURES

DOCUMENTS

- Analog Devices RF Transceiver
 - 47 MHz to 6 GHz frequency range
 - 2x2 MIMO, 61.44 MHz sampling rate
 - 56 MHz filtered bandwidth (IBW)
 - Automatic gain control (AGC)
 - Real-time custom gain control tables controlled via SPI and discrete external input pins
 - Automatic IQ and DC offset correction
 - 128-tap digital FIR filtering
- Altera Cyclone V FPGA
 - 49 kLE and 301 kLE variants available for custom signal processing and hardware accelerators
- Factory-calibrated SiTime MEMS VCTCXO
 - Calibrated within 1 Hz of 38.4 MHz
 - Taming supported via 12-bit DAC or ADF4002 PLL
 - MEMS oscillators provide superior reliability, aging, power supply noise rejection, and vibe/shock performance compared to quartz oscillators
- USB 3.0 SuperSpeed Support
 - Cypress FX3 peripheral controller with integrated 200 MHz ARM926EJ-S processor
 - Fully bus-powered over USB 3.0
 - External power option via 5V DC barrel jack with automatic switchover

Tags

BLADERF BLADERF 2.0 MICRO FPGA RF SDR SMA
SOFTWARE DEFINED RADIO USB WIRELESS

bladeRF 2.0 micro xA4 Product Help and Resources

VIDEOS

SKILLS NEEDED



Product Showcase:
bladeRF

NOVEMBER 8, 2018

COMMENTS

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REVIEWS

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