SOF217

Dual ADC @ 6.4 GSPS, SOFI Module

SOF217

Key Features

- Dual ADC 12-bit @ 6.4 GSPS (dual ADC12DJ3200), supports four channels @ 3.2 GSPS

- Dual DAC 16-bit @ 12 GSPS (dual AD9162 or AD9164), supports 6 GHz direct RF synthesis

- Sampling clock from host module

- Onboard Wideband PLL structure

- LMK04828 PLL (with 100 MHz VCXO) for JESD lane clocking and sysref

The SOF217 provides dual ADC sampling rates of up to 6.4 GSPS at a 12-bit resolution (TI ADC12DJ3200 or ADC12DJ2700) or quad inputs at 3.2 GSPS. Also, dual DAC delivers update rates of up to 12 GSPS and incorporates direct RF synthesis capable of 6 GSPS at a 16-bit resolution (Analog Devices AD9162 or AD9164).

The SOF217 is similar to SOF200 but designed for use of 2 GHz to 7 GHz range. Contact VadaTech for details.

The module is suitable for signal capture/analysis applications such as COMINT/SIGINT, radar, research and instrumentation.

NOTE: This module is not orderable as a standalone item and must be purchased as part of an AMSxxx (AMC module) or VPSxxx (3U VPX module) product. See SOFI Overview for details.
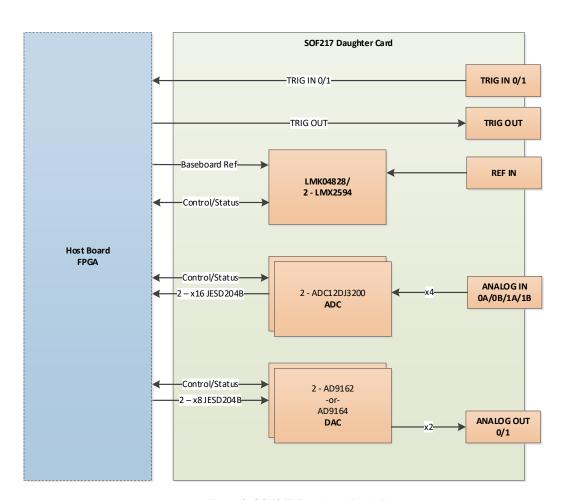
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Figure 1: SOF217

Figure 2: SOF217 Functional Block Diagram

SOF217 – Dual ADC @ 6.4 GSPS, SOFI Module   info@vadatech.com | www.vadatech.com

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SOFI Modules

SOFI modules are physically similar to FMC modules but are incompatible with FMC carriers, and are not designed to be interchangeable in the field.

See SOFI Overview for compatibility with AMC and 3U VPX carriers. If the particular combination of form factor, FPGA and ADC/DAC performance you require is not yet listed, please contact your local VadaTech sales team for details of how we can support you.

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