SOF208

Dual ADC @ 6.4 GSPS with Dual DAC at 9 GSPS, SOFI Module

Key Features

- Dual ADC 12-bit @ 6.4 GSPS (dual ADC12DJ3200), supports four channels @ 3.2 GSPS
- Dual DAC 9-bit @ 9 GSPS TI DAC38RF82
- Sampling clock from host module
- Onboard Wideband PLL structure
- LMK04821 PLL (with 100 MHz VCXO)

The SOF208 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 9 GSPS utilizing TI DAC38RF82. This makes the module 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.
Figure 1: SOF208

Figure 2: SOF208 Functional Block Diagram
SOFI Modules

SOFI modules are physically similar to FMC modules but are incompatible with FMC carriers, and 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.

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.