

SOF206

**Dual ADC @ 6.4 GSPS with Dual DAC
at 9 GSPS with Direct RF Clock
Input, 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
- Direct RF Clock input

The SOF206 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.



SOF206



vadatech
THE POWER OF VISION



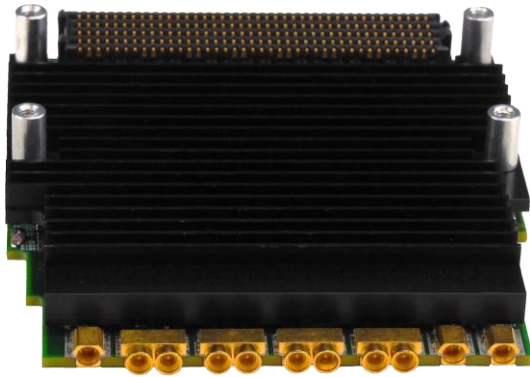


Figure 1: SOF206



Figure 2: SOF206 Top View

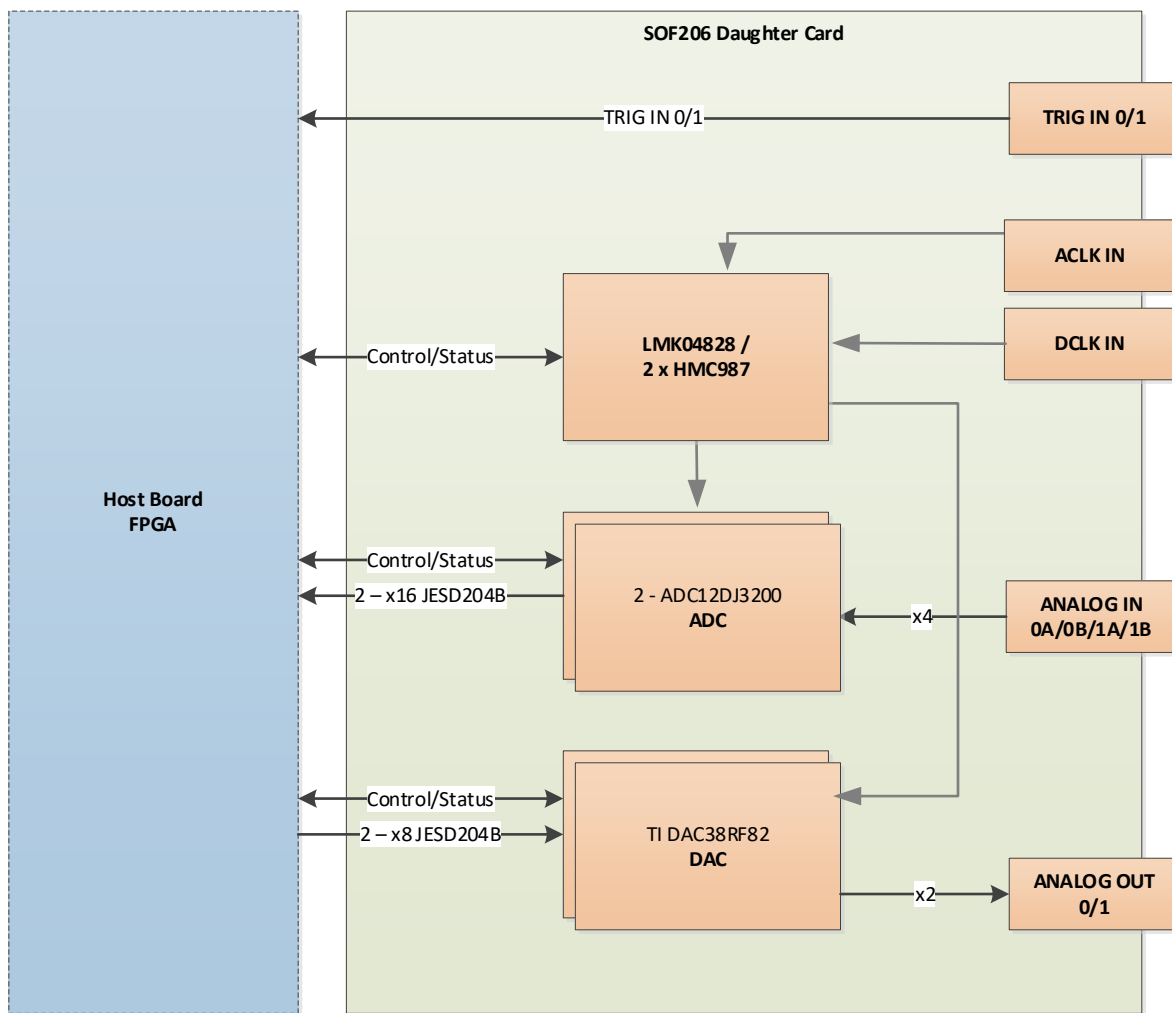


Figure 3: SOF206 Functional Block Diagram

Contact

VadaTech Corporate Office

198 N. Gibson Road, Henderson, NV 89014

Phone: +1 702 896-3337 | Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhui Street, Neihu District, Taipei 114, Taiwan

Phone: +886-2-2627-7655 | Fax: +886-2-2627-7792

VadaTech European Sales Office

VadaTech House, Bulls Copse Road, Southampton, SO40 9LR

Phone: +44 2380 016403

info@vadatech.com | www.vadatech.com

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.



vadatech
THE POWER OF VISION

Trademarks and Disclaimer

The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.

© 2020 VadaTech Incorporated. All rights reserved.
DOC NO. 4FM737-12 REV 01 | VERSION 1.0 – AUG/24