

SOF203

Quad ADC and quad DAC, SOFI Module



SOF203

Key Features

- Quad ADC 14-bit @ 3 GSPS (dual AD9208), with option to support up to eight channels*
- Quad DAC 16-bit @ 12 GSPS (quad AD9162 or AD9164), with option to support up to eight channels*
- Separate direct front-panel clocking for ADC and DAC
- Onboard clock buffers with ultralow phase noise

(*See applicable AMC/VPX product datasheet for details)

The SOF203 is a direct clocking card with up to 4 DACs (AD9162 or AD9164). Optional daughter card DA746 is used in combination with SOF203 providing up to two AD9208 ADCs. Clocks for ADC and DAC are driven by separate front-panel clock inputs, making the module suitable for applications requiring precise control of clocking/phase alignment.

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.



vadatech
THE POWER OF VISION





Figure 1: SOF203

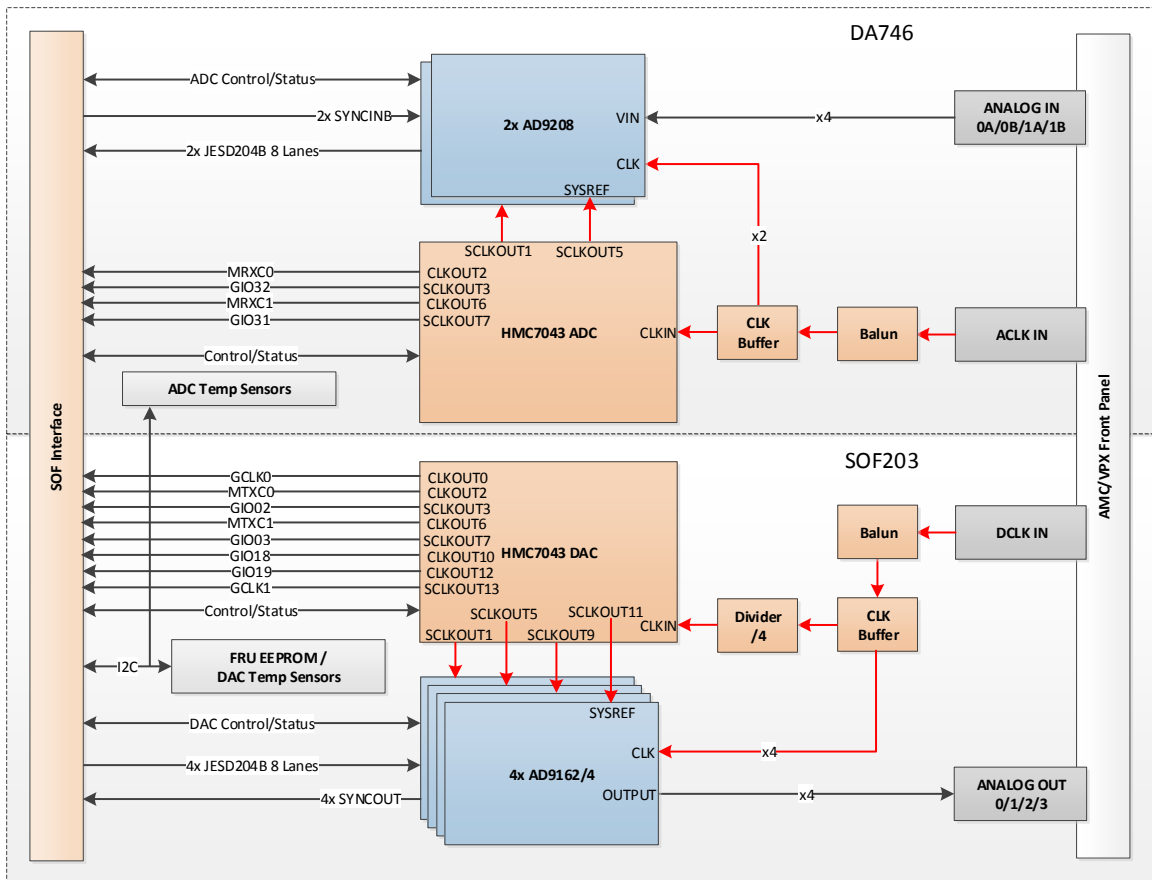


Figure 2: SOF203 and DA746 Functional Block Diagram

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 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.

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 1.3 – MAR/20