AD01152

Prime Application

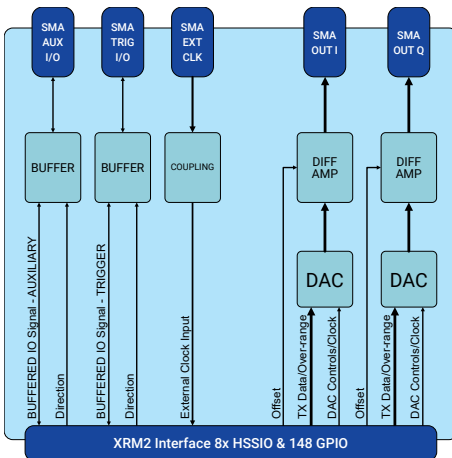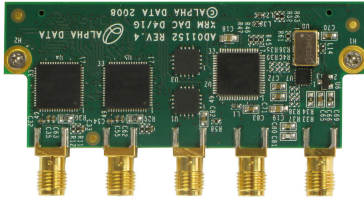**IF/Baseband data signal generation**

Board Features

- Dual 16-bit 1Gsps DACs
- External Clock Input

Summary

The **XRM2-DAC-D4/1G** is an XRM2 I/O Module, providing two Digital to Analog converters with 16-bit resolution and sampling rates up to 1GHz.

Aimed at IF/Baseband signal generation, provision is made for use of either an external or internally generated clock source. External trigger and auxiliary I/O ports are also provided.

Deliverables

XRM2-DAC-D4/1G Board
One Year Warranty
One Year Technical Support

Board Format

Alpha Data XRM2 I/O Module

Input/Output Interfaces

DAC
Dual 16-bit DACs up to 1GHz

Resolution: 16-bit
Max Sample Freq: 1000MHz
Bandwidth: 1MHz to 350MHz
Impedance: 50Ω (AC coupled)
Connector: SMA

External clock input
External clock input

Trigger I/O
Trigger I/O

Auxiliary I/O
Auxiliary I/O

Synchronisation I/O
Synchronisation I/O

Environmental Specification

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC0	0°C	+55°C	-40°C	+85°C

Operating Humidity

Up to 95% (non-condensing)

EMC Standards

FCC 47CFR Part 2
EN55022:2010 Equipment ClassB

Ordering Information
Order Code: XRM2-DAC-D4/1G(u)

Option	Code	Description of Options
XRM2 Keying	u	blank = keyed connector, /U = unkeyed connector

ALPHA DATA

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