

Features

ADC's:

- 8 channels, 14-bit Resolution, 125 MSPS
- SNR = 72 dBFS @ 10 MHz and 125 MSPS
- SFDR = 84 dBc @ 10 MHz and 125 MSPS
- ENOB = 11.6 Bits @ 10 MHz and 125 MSPS
- Analog Input Filter Options
- Efficient Serial LVDS-Compatible Outputs
- Analog Input: 2V p-p Range
- Xtalk Isolation >90 dB
- High Performance DC and AC-Coupled Analog Input
- Differential Input with 500 MHz Bandwidth
- Pin Compatible 12-Bit Family (ADS642X)
- QTH Interface Connector for Digital Input Output, Power LEDs and Single-ended MCX Connector for AIN, AOUT& EXTCLK
- Direct ADC/DAC Connection to Host FPGA Ensures
- Maximum Throughput
- Physical Dimensions (L: 117.9 mm, W: 97 mm)
- Industrial Temperature Range (-40°C to 85°C)

DAC's:

- 2 Channels, 14-bit Resolution, 200 MSPS DAC Converters
- Analog Output Filter Options
- Wideband Input CMOS Data Bus
- 20-mA Full-Scale Output Current
- 3.3V Analog Supply Operation
- Independent or Single Resistor Gain Control
- High Performance AC-Coupled Analog Output
- SFDR = 80dBFS

Other's:

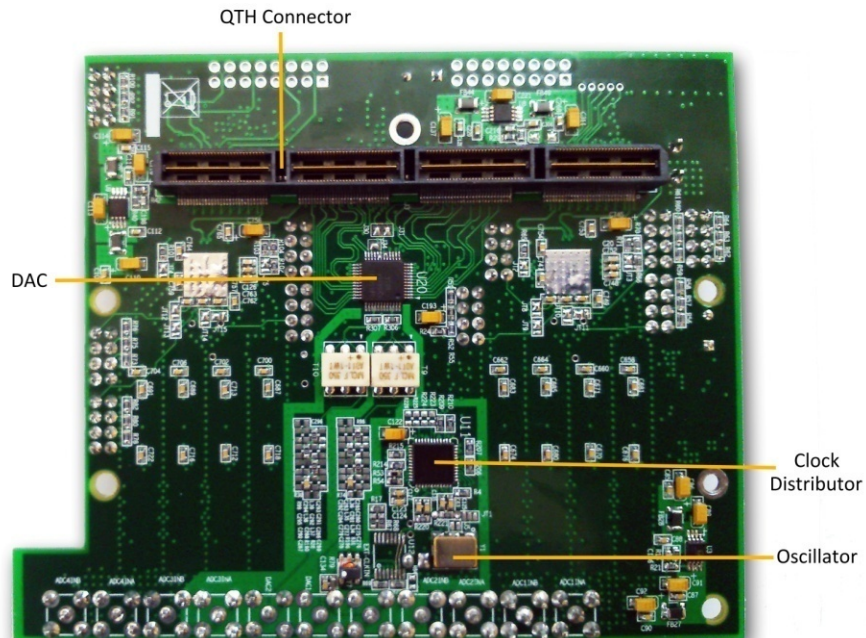
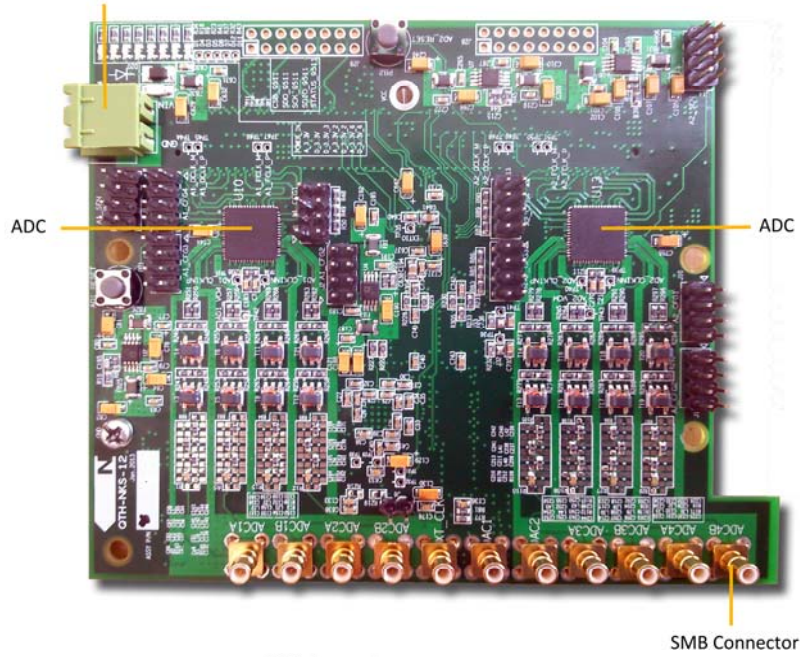
- Serial Port Control: Programmable Clock and Data Alignment
- On-board Clock Distributer

Application

- RADAR/SONAR
- Medical Equipments
- Base-Station IF Receivers
- Wide Band-Width Communications

Board Features

Power Connector (For Standalone Test)

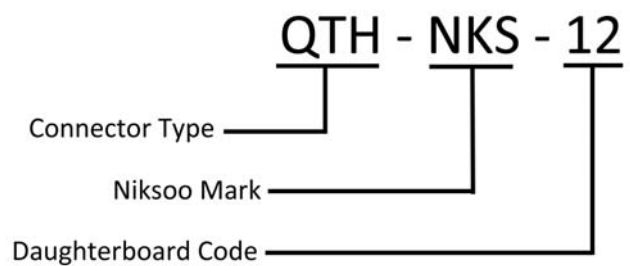


QTH-NKS-12 Performance (Full Scale, Fs=125MSPS)

Compatibility Table

NIKSOO Platform	Compatibility
SP-V4SX55-PCI-A	Yes
NKS-V5-PCIE-A-SX50T	Yes
NKS-V5-PCIE-A-SX95T	Yes
FP-NKS-01-A	Yes
NKS-V5-PCI-A	Yes
FMC-NKS106-PCI-A	Yes
FMC-NKS016-PCIE-A	Yes

Order Information





QTH-NKS-12
