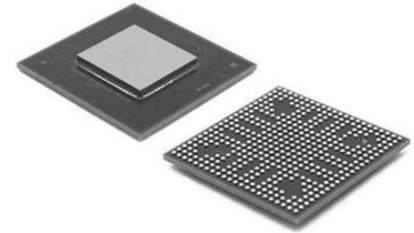


Two Selectable Inputs, 8 LVPECL Outputs SiGe Clock Fanout Buffer; Package: 32-LFCSP (Leadform Chip Scale); Temperature Range: -40°C to +125°C

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-32
Product Type	Clock & Timer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADCLK948BCPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The device has two selectable differential inputs via the IN_SEL control pin. Both inputs are equipped with center tapped, differential, 100 Ω on-chip termination resistors. The inputs accept dc-coupled LVPECL, CML, 3.3 V CMOS (single-ended), and ac-coupled 1.8 V CMOS, LVDS, and LVPECL inputs. A VREFx pin is available for biasing ac-coupled inputs.

The ADCLK948 features eight full-swing emitter coupled logic(ECL) output drivers. For LVPECL (positive ECL) operation, bias VCC to the positive supply and VEE to ground. For ECL operation, bias VCC to ground and VEE to the negative supply.

The output stages are designed to directly drive 800 mV eachside into 50 Ω terminated to VCC -2V for a total differential output swing of 1.6V.

The ADCLK948 is available in a 32-lead LFCSP and specified for operation over the standard industrial temperature range of -40°C to +85°C.

Applications

Low jitter clock distribution

Clock and data signal restoration

Level translation

Wireless communications

Wired communications

Medical and industrial imaging

ATE and high performance instrumentation

Features

- 2 selectable differential inputs
- 4.8 GHz operating frequency
- 75 fs rms broadband random jitter
- On-chip input terminations
- 3.3 V power supply

Application

- Low jitter clock distribution
- Clock and data signal restoration
- Level translation
- Wireless communications
- Wired communications
- Medical and industrial imaging
- ATE and high performance instrumentation

Related Products



[ADF4350BCPZ](#)

Analog Devices, Inc
LFCSP-32



[AD9516-4BCPZ](#)

Analog Devices, Inc
LFCSP64



[ADF4111BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4113BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4116BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4110BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4193BCPZ](#)

Analog Devices, Inc
LFCSP-32



[AD2S99BPZ](#)

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PLCC-20