
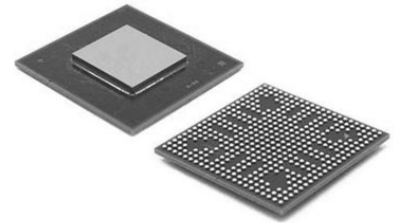


## Clock Fanout Buffer 1-OUT 1-IN 1:1 16-Pin LFCSP EP Tray

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	LFCSP16
<b>Product Type:</b>	Drivers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The ADCLK905 (one input, one output), ADCLK907 (dual oneinput, one output), and ADCLK925 (one input, two outputs) areultrafast clock/data buffers fabricated on the Analog Devices, Inc.,proprietary XFCB3 silicon germanium (SiGe) bipolar process.

The ADCLK905/ADCLK907/ADCLK925 feature full-swing emitter coupled logic (ECL) output drivers. For PECL (positive ECL) operation, bias VCC to the positive supply and VEE to ground. For NECL (negative ECL) operation, bias VCC to ground and VEE to the negative supply.

The buffers offer 95 ps propagation delay, 7.5 GHz toggle rate, 10 Gbps data rate, and 60 fs random jitter (RJ).

The inputs have center tapped, 100 Ω, on-chip termination resistors. A VREF pin is available for biasing ac-coupled inputs.

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

The ADCLK905/ADCLK907/ADCLK925 are available in 16-lead LFCSP packages.

### Key Features

- 95 ps propagation delay
- 7.5 GHz toggle rate
- 60 ps typical output rise/fall
- 60 fs random jitter (RJ)
- On-chip terminations at both input pins
- Extended industrial temperature range: –40°C to +125°C
- 2.5 V to 3.3 V power supply (VCC – VEE)

### Application

- Clock and data signal restoration and level shifting
- Automated test equipment (ATE)
- High speed instrumentation
- High speed line receivers
- Threshold detection
- Converter clocking

### Recommended For You

**AD9517-3BCPZ**

Analog Devices, Inc  
QFN

**AD9954YSV**

Analog Devices, Inc  
QFP

**ADCLK914BCPZ-WP**

Analog Devices, Inc  
LFCSP-16

**AD7008JP50**

Analog Devices, Inc  
PLCC44

**AD9952YSV**

Analog Devices, Inc  
QFP

**AD9516-3BCPZ**

Analog Devices, Inc  
QFN

**ADCLK944BCPZ-R2**

Analog Devices, Inc  
LFCSP16

**AD9577BCPZ**

Analog Devices, Inc  
LFCSP-40

**AD9543BCPZ**

Analog Devices, Inc  
LFCSP-48

**AD9853AS**

Analog Devices, Inc  
QFP

**ADN2805ACPZ**

Analog Devices, Inc  
LFCSP

**AD9515BCPZ-REEL7**

Analog Devices, Inc  
LFCSP-32

**ADN2807ACPZ**

Analog Devices, Inc  
48-LFCSP

**AD9520-4BCPZ**

Analog Devices, Inc  
LFCSP

**AD9831AST**

Analog Devices, Inc  
QFP