


Direct Digital Synthesizer 3500MHz 1-DAC 12bit Parallel/Serial 88-Pin LFCSP EP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	LFCSP
Product Type:	Clock & Timer ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

AD9914BCPZ is a high-performance direct digital synthesizer (DDS) IC (integrated circuit) manufactured by Analog Devices. The AD9914BCPZ is a member of the AD9914 family of DDS ICs, and it is designed for applications that require high-speed frequency and phase tuning.

Key Features

- 14-bit resolution DAC (digital-to-analog converter)
- On-chip PLL (phase-locked loop)
- 3.5 GSPS (gigasamples per second) maximum DDS update rate
- Frequency range of 0 Hz to 1.5 GHz
- High dynamic range SFDR (spurious-free dynamic range)
- Programmable output amplitude
- Multiple modulation schemes including FSK, PSK, ASK, and QAM
- Support for external reference clocks

Application

- Test and measurement equipment
- Radar and electronic warfare systems
- Communications systems
- Industrial automation and control
- Medical imaging and ultrasound equipment
- Aerospace and defense systems



Recommended For You

AD7305BRZ

Analog Devices, Inc
SOP20

AD9910BSVZ

Analog Devices, Inc
TQFP100

AD9831ASTZ

Analog Devices, Inc
QFP

AD5447YRUZ

Analog Devices, Inc
TSSOP

AD5302BRMZ

Analog Devices, Inc
MSOP10

AD5531BRUZ

Analog Devices, Inc
TSSOP16

AD537JH

Analog Devices, Inc
CAN10

AD652AQ

Analog Devices, Inc
DIP

AD654JN

Analog Devices, Inc
DIP8

AD7740YRMZ

Analog Devices, Inc
MSOP8

AD73311ARSZ

Analog Devices, Inc
SSOP20

AD7291BCPZ

Analog Devices, Inc
LFCSP20

AD9954YSVZ

Analog Devices, Inc
QFP

AD2S1205YSTZ

Analog Devices, Inc
LQFP44

AD9835BRUZ

Analog Devices, Inc
TSSOP16