ADSP-2185NBSTZ-320

Data Sheet

16-Bit, 80MIPS, 1.8V, 2 Serial Ports, Host Port, 80KB RAM; Temperature Range: Ind

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-100
Product Type	Embedded Processors & Controllers
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for ADSP-2185NBSTZ-320 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADSP-218xN series consists of six single chip microcomputers optimized for digital signal processing applications.All series members are pin-compatible and are differentiated solely by the amount of on-chip SRAM.This feature combined with ADSP-21xx code compatibility provide a great deal of flexibility in the design decision.Specifically, the series members are -

ADSP-2184N (4K PM/4K DM)

ADSP-2186N (8K PM/8K DM)

ADSP-2185N (16K PM/16K DM)

ADSP-2187N (32K PM/32K DM)

ADSP-2189N (32K PM/48K DM)

ADSP-2188N (48K PM/56K DM)

The ADSP-218xN series offers the highest performance (80Mhz/MIPS) and lowest power consumption (0.55mW/MIP @ 1.8V) within the ADSP-218x portfolio. All series members are offered in a 100-lead LQFP and 144-Ball MBGA packages.

Features

12.5 ns Instruction Cycle Time @1.8 V (Internal), 80 MIPS Sustained Performance

Single-Cycle Instruction Execution

Single-Cycle Context Switch

3-Bus Architecture Allows Dual Operand Fetches in Every Instruction Cycle

Low Power Dissipation in Idle Mode

Multifunction Instructions

Power-Down Mode Featuring Low CMOS Standby Power Dissipation with 200 CLKIN Cycle Recovery from Power-Down Condition

Application

ADSP-2184N (4K PM/4K DM)

ADSP-2186N (8K PM/8K DM)

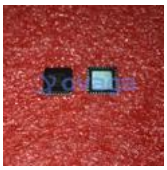
ADSP-2185N (16K PM/16K DM)

ADSP-2187N (32K PM/32K DM)

ADSP-2189N (32K PM/48K DM)

ADSP-2188N (48K PM/56K DM)

Related Products



ADUC7022BCPZ62

Analog Devices, Inc

LFCSP-40

ADUC7020BCPZ62

Analog Devices, Inc

LFCSP-40

ADUC841BSZ62-5

Analog Devices, Inc

QFP-52

ADUC841BSZ62-3

Analog Devices, Inc

QFP-52

ADUC831BSZ

Analog Devices, Inc

QFP-52

ADSP-BF527BBCZ-5A

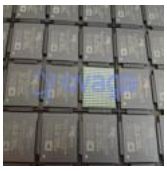
Analog Devices, Inc

BGA-208

ADSP-21369BBPZ-2A

Analog Devices, Inc

SBGA-256



ADSP-BF561SBBCZ-5A

Analog Devices, Inc

CSPBGA-256