


Transceiver 1TX 1RX 48-Pin LQFP T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	LQFP48
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The PCM9211 is a complete analog and digital front-end for today's multimedia players, sound bars, and recorders.

The PCM9211 integrates a stereo ADC, S/PDIF transceiver with up to 12 multiplexed inputs, and 3x PCM inputs to allow other audio receivers to be multiplexed, along with the analog and S/PDIF signals to a digital signal processor (DSP). In addition, the PCM9211 has two dedicated input channels for HDMI 2.1 eARC compliant frames.

Key Features

Integrated DIX, ADC, and Signal Routing:
Asynchronous Operation (DIR, DIT, ADC)

MUX and Routing of PCMDATA:
I2S, Left-Justified, Right-Justified

Multipurpose Input/Output Pins

Digital Audio I/F Receiver (DIR):
24-bit, 216-kHz Capable

50-ps Ultra-Low Jitter

Non-PCM Detection (IEC61937, DTS-CD/LD)

12x S/PDIF Input Ports:
2x Coaxial S/PDIF Inputs
Compatible With HDMI 2.1 eARC

10x Optical S/PDIF Inputs

Digital Audio I/F Transmitter (DIT):
24-Bit, 216-kHz Capable

24-Bit Data Length

48-Bit Channel Status Buffer

Synchronous and Asynchronous Operation

Analog-to-Digital Converter (ADC):
24-Bit, 96-kHz Capable

Dynamic Range: 101 dB (fS = 96kHz)

Synchronous/Asynchronous Operation

Routing Function:
Input: 3x PCM, 1x DIR, 1x ADC

Output: Main Out, Aux Out, DIT

Multichannel (8-Ch) PCM Routing

Other Function :
Power Down (Pin and Register Control)

PCM Port Sampling Frequency Counter

GPIO and GPO

OSC for External Crystal (24.576 MHz)

SPI, I2C or Hardware Control Modes

Power Supply:
3.3 V (2.9 V to 3.6 V) for DIX, All Digital

5 V (4.5 V to 5.5 V) for ADC Analog

Operating Temperature: -40°C to +85°C

Package: 48-Pin LQFP



Recommended For You

PCMI798DB

Texas Instruments, Inc
SSOP28

PCMI681PWPR

Texas Instruments, Inc
HTSSOP28

PCMI863DBT

Texas Instruments, Inc
TSSOP30

PCMI789PW

Texas Instruments, Inc
TSSOP24

PCMI789PWR

Texas Instruments, Inc
TSSOP24

PCMI864DBTR

Texas Instruments, Inc
TSSOP30

PCMI793DB

Texas Instruments, Inc
SSOP

PCM56U

Texas Instruments, Inc
SOP16

PCM2704DBR

Texas Instruments, Inc
SSOP28

PCMI725U

Texas Instruments, Inc
SOP14

PCM5100APWR

Texas Instruments, Inc
TSSOP20

PCMI808PW

Texas Instruments, Inc
TSSOP14

PCMI808PWR

Texas Instruments, Inc
TSSOP14

PCMI808QPWRQ1

Texas Instruments, Inc
TSSOP14

PCMI681TPWRQ1

Texas Instruments, Inc
HTSSOP28