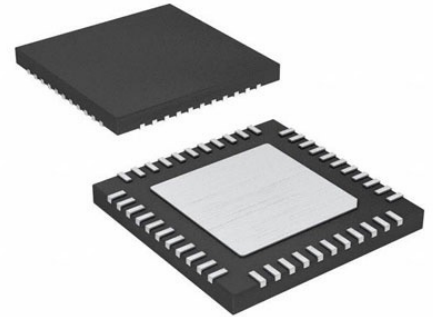


Analogue Switch, Single Channel, 1 Channels, DP3T, 7.5 ohm, 2.7V to 5V, UQFN, 12 Pins

Manufacturers	ON Semiconductor, LLC
Package/Case	UQFN-12
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NCN1154MUTAG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCN1154 is a DP3T switch for combined true-ground audio, USB 2.0 high speed data, and UART applications. It allows portable systems to use a single port to pass either USB data or audio signals from an external headset; the 3 channels being compliant to USB 2.0, USB 1.1 and USB 1.0. The switch is capable of passing signals with negative voltages as low as 2 V below ground. The NCN1154 features shunt resistors on the audio ports. These resistors are switched in when the audio channel is off and provide a safe path to ground for any charge that may build up on the audio lines. This reduces Pop & Click noise in the audio system. The device has an extended VCC range which can operate off VCC up to 4.2 V while passing true ground audio signals down to -2 V.

Features

3:1 High Speed Switch

Multiplexe audio or high speed data or UART signals path from a single USB receptacle

5.25 V tolerant on common pins

Support any short to VBUS

High Bandwidth of 820 MHz

USB2.0, USB1.1, USB1.0 capable on all channels

Capable of passing negative swing signals down to -2V on R/L channel

Can connect an audio true ground amplifier to a micro USB headset

1.8 V compatible control pin

GPIO Low Voltage Control

Audio channel shunt resistors

Pop and click noise reduction

Ultra-low THD

Minimal audio distortion

Application

ONSEMI

Related Products



[NCV7340D14R2G](#)

ON Semiconductor, LLC
SOP8



[NCV7351FD13R2G](#)

ON Semiconductor, LLC
SOIC-8



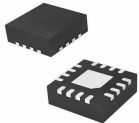
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[NCN5150MNTWG](#)

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20-VFQFN



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