U74CB3Q3305、U74CB3Q3306

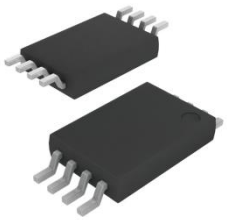
Dual FET Low-voltage High-bandwidth Bus Switch

Description

➢ U74CB3Q3305 and U74CB3Q3306 are both high-bandwidth FET bus switches providing a low and flat ON-state resistance (R_{ON}). Such low R_{ON} grants minimal propagation delay and supports data I/O ports with wide voltage-swing range beyond supply voltage. U74CB3Q3305 has a high-active EN pin and U74CB3Q3306 has a low-active EN#. Both devices provide an optimized interface solution ideally suited for broadband communications, networking, and data-intensive computing systems

Features

➢ U74CB3Q3305 （$R_{ON,\ TYP}$ = 3.5 Ω）
➢ U74CB3Q3306 （$R_{ON,\ TYP}$ = 4 Ω）
➢ Supports input voltage beyond supply on data I/O ports
  0 to 5V switching with 3.3V V_{CC}
  0 to 3.3V switching with 2.5V V_{CC}
➢ High-bandwidth data path (up to 500 MHz)



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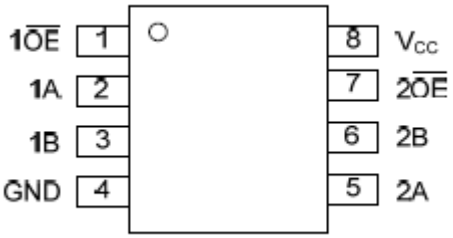
Applications

◆ Bus isolation
◆ Optical networking: video over fiber and EPON
◆ USB, differential signal interface
◆ IP phone
◆ Private branch exchange (PBX)
◆ Wireless infrastructure equipment



U74CB3Q3305/U74CB3Q3306

Function Description:

Each device has 2 individual sets of input, output, and control / enable switch

U74CB3Q3305 pin 1, 7 (EN)	U74CB3Q3306 pin 1, 7 (EN#)	Function
H	L	A port= B port
L	H	Disconnect (high impedance)

Analog IC / Discrete total solution provider

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