

## 74LVX16212 24-Bit Bus-Exchange Switch

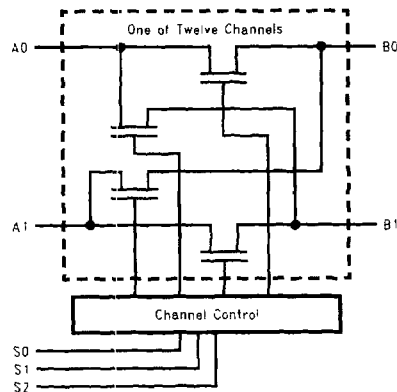
### General Description

The LVX16212 provides 24 bits of high-speed CMOS TTL-compatible bus switches or bus exchangers. The low on resistance of the switch allows inputs to be connected to outputs without adding propagation delay or generating additional ground bounce noise. The device provides data exchanging between the four signal ports (A0 B0, A1 and B1) through the data-select (S0, S1 and S2) inputs.

### Features

- 5Ω switch connection between two ports
- Zero propagation delay
- Zero ground bounce in flow-through mode
- Control inputs compatible with TTL level
- Available in SSOP and TSSOP

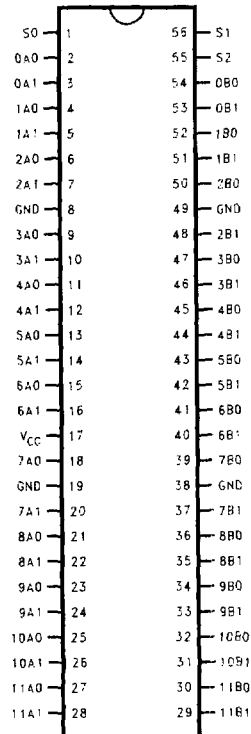
### Logic Symbol



TL/F/12641-1

### Connection Diagram

Pin Assignment for  
SSOP and TSSOP



TL/F/12641-2

### Truth Table

S2	S1	S0	A0	A1	Function
L	L	L	Z	Z	Disconnect
L	L	H	B0	Z	A0 to B0
L	H	L	B1	Z	A0 to B1
L	H	H	Z	B0	A1 to B0
H	L	L	Z	B1	A1 to B1
H	L	H	Z	Z	Disconnect
H	H	L	B0	B1	A0 to B0, A1 to B1
H	H	H	B1	B0	A0 to B1, A1 to B0

	SSOP	TSSOP
Order Number	74LVX16212MEA 74LVX16212MEAX	74LVX16212MTD 74LVX16212MTDX
See NS Package Number	MS56A	MTD56