

74LVT16374 • 74LVTH16374
Low Voltage 16-Bit D-Type Flip-Flop
with 3-STATE Outputs

General Description

74LVT16374 • 74LVTH16374 Low Voltage 16-Bit D-Type Flip-Flop with 3-STATE Outputs

Connection Diagrams

Pin Assignment for SSOP and TSSOP

Pin Descriptions

FBGA Pin Assignments

Truth Tables

Pin Assignment for FBGA

(Top Thru View)

H = HIGH Voltage Level
L = LOW Voltage Level
X = Immaterial
Z = HIGH Impedance
O_o = Previous O_o before HIGH to LOW of CP

Functional Description

The LVTTeipti.6 (1.5ipt)1(i)-3on1.4.5ipt(i)-3t33.19 Tc722.21.17 nd1.1 (e)1.4.5ipt LTilignmergnlililignmeloit.olilgnlilreilililS710s8 (.o)-3aith A8 (V(i)-2

Absolute Maximum Ratings(Note 3)

Symbol	Parameter	Value	Conditions	Units
V_{CC}				

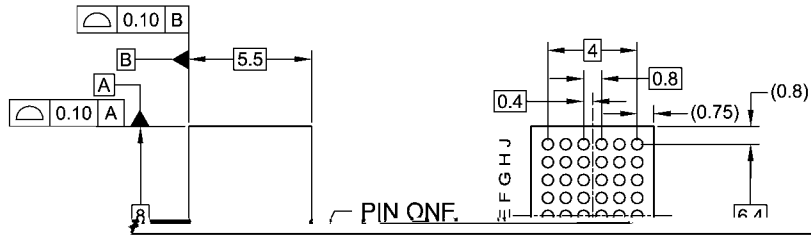
Recommended Operating Conditions

Note 3: Absolute Maximum continuous ratings are those values beyond which damage to the device may occur. Exposure to these conditions or conditions beyond those indicated may adversely affect device reliability. Functional operation under absolute maximum rated conditions is not implied.

Note 4: I_O Absolute Maximum Rating must be observed.

DC Electrical Characteristics

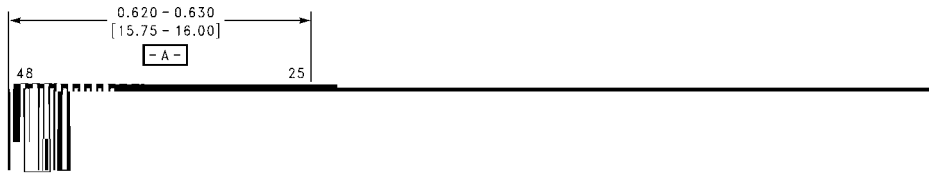
Physical Dimensions inches (millimeters) unless otherwise noted



DISCONTINUED
 THIS DEVICE IS NOT RECOMMENDED FOR NEW DESIGN
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54-Ball Fine Pitch Ball Grid Array (FBGA), JEDEC MO-205, 5.5mm Wide
 Package Number BGA54A

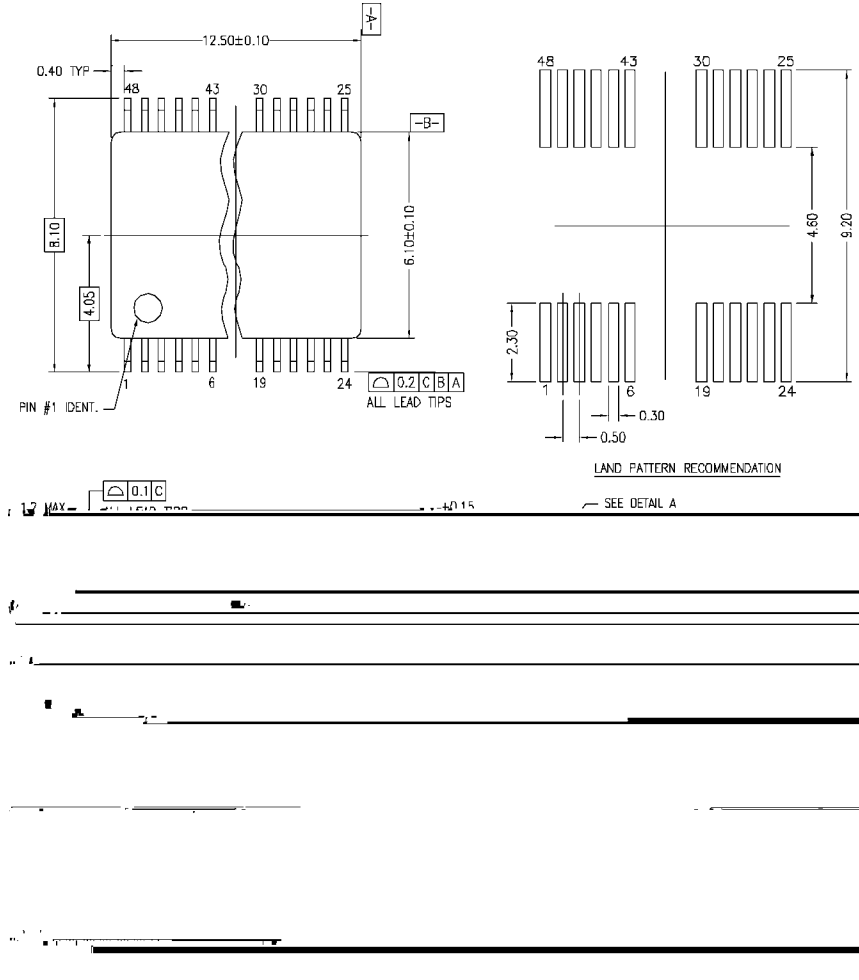
Physical Dimensions inches (millimeters) unless otherwise noted (Continued)



48-Lead Small Shrink Outline Package (SSOP), JEDEC MO-148, 0.300" Wide
Package Number MS48A

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Physical Dimensions inches (millimeters) unless otherwise noted (Continued)



48-Lead Thin Shrink Small Outline Package (TSSOP), JEDEC MO-153, 6.1mm Wide
Package Number MTD48

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