Chip back potential is the level which bulk silicon is maintained by on-chip connection, or it is the level to which the chip back must be connected when specifically stated below. If no potential is given the chip back should be isolated.

**PAD FUNCTIONS:**

1. **1A**
2. **1Y**
3. **2A**
4. **2Y**
5. **3A**
6. **3Y**
7. **GND**
8. **4Y**
9. **4A**
10. **5Y**
11. **5A**
12. **6Y**
13. **6A**
14. **VCC**

**.037”**

**.040”**

 **7**

**12 11 10 9 8**

 **2 3 4 5 6**

**13**

 **14**

 **1**

**L**

**S**

**0**

**4**

**B**

**Top Material: Al**

**Backside Material: Si**

**Bond Pad Size: .004” X .004”**

**Backside Potential: GND**

**Mask Ref: LS04B**

**APPROVED BY: DK DIE SIZE .037” X .040” DATE: 11/9/21**

**MFG: TEXAS INSTRUMENTS THICKNESS .025” P/N: 54LS04**

**DG 10.1.2**

#### Rev B, 7/19/02