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**

**.042”**

**12 11 10 9 8**

**13**

**14**

**1**

**2 3 4 5 6**

**7**

**MASK**

**REF**

0 4 A

**L**

**S**

**.039”**

**Top Material: Al**

**Backside Material: Si**

**Bond Pad Size: .004” X .004”**

**Backside Potential: GND or FLOAT**

**Mask Ref: LS04A**

**APPROVED BY: DK DIE SIZE .039” X .042” DATE: 6/7/23**

**MFG: SILICON SUPPLIES THICKNESS .014” P/N: 54LS04**

**DG 10.1.2**

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