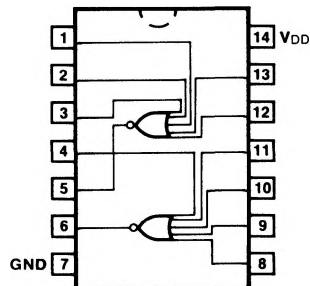


54S/74S260
54LS/74LS260
 DUAL 5-INPUT NOR GATE

CONNECTION DIAGRAM
 PINOUT A

ORDERING CODE: See Section 9

| PKGS | PIN OUT | COMMERCIAL GRADE | MILITARY GRADE | PKG TYPE |
|-----------------|---------|---|---|----------|
| | | $V_{CC} = +5.0\text{ V} \pm 5\%$, $T_A = 0^\circ\text{C to } +70^\circ\text{C}$ | $V_{CC} = +5.0\text{ V} \pm 10\%$, $T_A = -55^\circ\text{C to } +125^\circ\text{C}$ | |
| Plastic DIP (P) | A | 74S260PC, 74LS260PC | | 9A |
| Ceramic DIP (D) | A | 74S260DC, 74LS260DC | 54S260DM, 54LS260DM | 6A |
| Flatpak (F) | A | 74S260FC, 74LS260FC | 54S260FM, 54LS260FM | 3I |



INPUT LOADING/FAN-OUT: See Section 3 for U.L. definitions

| PINS | 54/74S (U.L.) HIGH/LOW | 54/74LS (U.L.) HIGH/LOW |
|---------|---------------------------|----------------------------|
| Inputs | 1.25/1.25 | 0.5/0.25 |
| Outputs | 25/12.5 | 10/5.0 (2.5) |

DC AND AC CHARACTERISTICS: See Section 3*

| SYMBOL | PARAMETER | 54/74S | | 54/74LS | | UNITS | CONDITIONS | |
|-----------|----------------------|--------|-----|---------|-----|-------|------------------------|-----------------------|
| | | Min | Max | Min | Max | | $V_{IN} = \text{Gnd}$ | $V_{CC} = \text{Max}$ |
| I_{CCH} | Power Supply Current | 29 | | 4.0 | | mA | | |
| I_{CCL} | | 45 | | 5.5 | | | $V_{IN} = \text{Open}$ | |
| t_{PLH} | Propagation Delay | 5.5 | | 10 | | ns | Figs. 3-1, 3-4 | |
| t_{PHL} | | 6.0 | | 12 | | | | |

*DC limits apply over operating temperature range; AC limits apply at $T_A = +25^\circ\text{C}$ and $V_{CC} = +5.0\text{ V}$.