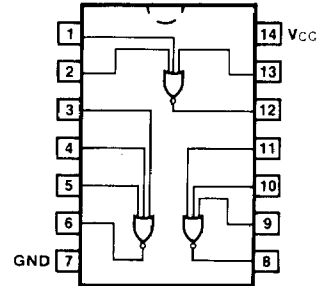


✓
 54/7427 011095
 ✓
 54LS/74LS27 011097

TRIPLE 3-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 ±5%, T _A = 0°C to +70°C | V _{CC} = +5.0 V ±10%, T _A = -55°C to +125°C | |
| Plastic DIP (P) | A | 7427PC, 74LS27PC | | 9A |
| Ceramic DIP (D) | A | 7427DC, 74LS27DC | 5427DM, 54LS27DM | 6A |
| Flatpak (F) | A | 7427FC, 74LS27FC | 5427FM, 54LS27FM | 3I |

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

| PINS | 54/74 (U.L.) HIGH/LOW | 54/74LS (U.L.) HIGH/LOW |
|---------|--------------------------|----------------------------|
| | Inputs | 1.0/1.0 |
| Outputs | 20/10 | 10/5.0 (2.5) |

DC AND AC CHARACTERISTICS: See Section 3*

| SYMBOL | PARAMETER | 54/74 | | 54/74LS | | UNITS | CONDITIONS | |
|-------------------|----------------------|-------|-----|---------|-----|-------|------------------------|-----------------------|
| | | Min | Max | Min | Max | | | |
| I _{CC} H | Power Supply Current | 16 | | 4.0 | | mA | V _{IN} = Gnd | V _{CC} = Max |
| I _{CC} L | | 26 | | 6.8 | | | V _{IN} = Open | |
| t _{PLH} | Propagation Delay | 15 | | 13 | | ns | Figs. 3-1, 3-4 | |
| t _{PHL} | | 11 | | 13 | | | | |

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