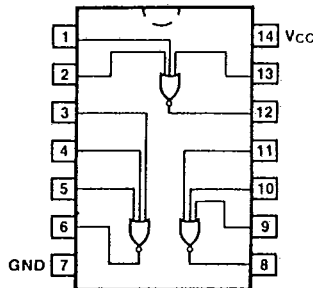


**54/7427**  
**54LS/74LS27**  
 TRIPLE 3-INPUT NOR GATE

**CONNECTION DIAGRAM**  
 PINOUT A

ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		V <sub>CC</sub> = +5.0 ±5%, T <sub>A</sub> = 0°C to +70°C	V <sub>CC</sub> = +5.0 V ±10%, T <sub>A</sub> = -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	0.5/0.25
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		V <sub>IN</sub> = Gnd	V <sub>CC</sub> = Max
I <sub>CC</sub> H	Power Supply Current	16		4.0		mA	V <sub>IN</sub> = Gnd	V <sub>CC</sub> = Max
I <sub>CC</sub> L		26		6.8			V <sub>IN</sub> = Open	
t <sub>PL</sub> H	Propagation Delay	15		13		ns	Figs. 3-1, 3-4	
t <sub>PH</sub> L		11		13				

\*DC limits apply over operating temperature range; AC limits apply at T<sub>A</sub> = +25°C and V<sub>CC</sub> = +5.0 V.