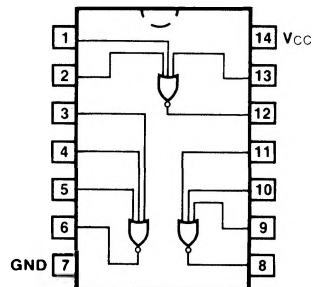


54/7427
54LS/74LS27
 TRIPLE 3-INPUT NOR GATE

ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		$V_{CC} = +5.0 \pm 5\%$, $T_A = 0^\circ\text{C to } +70^\circ\text{C}$	$V_{CC} = +5.0\text{ V} \pm 10\%$, $T_A = -55^\circ\text{C to } +125^\circ\text{C}$	
Plastic DIP (P)	A	7427PC, 74LS27PC		9A
Ceramic DIP (D)	A	7427DC, 74LS27DC	5427DM, 54LS27DM	6A
Flatpak (F)	A	7427FC, 74LS27FC	5427FM, 54LS27FM	3I

CONNECTION DIAGRAM
PINOUT A



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

PINS	54/74 (U.L.)	54/74LS (U.L.)
	HIGH/LOW	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			
I_{CC}	Power Supply Current	16	4.0	mA	$V_{IN} = \text{Gnd}$	$V_{CC} = \text{Max}$		
I_{CCL}		26	6.8				$V_{IN} = \text{Open}$	
t_{PLH} t_{PHL}	Propagation Delay	15	13	ns	Figs. 3-1, 3-4			
		11	13					

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