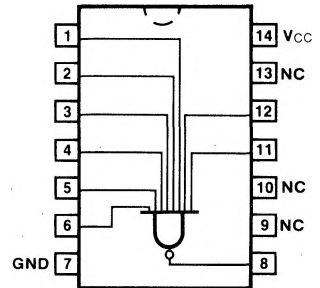
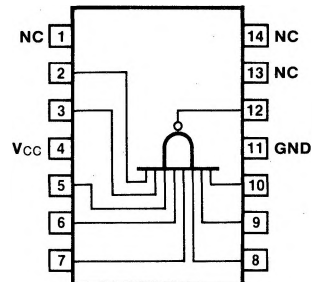


54/7430
54H/74H30
54S/74S30
54LS/74LS30
 8-INPUT NAND GATE

CONNECTION DIAGRAMS
PINOUT A



PINOUT B



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	7430PC, 74H30PC 74S30PC, 74LS30PC		9A
Ceramic DIP (D)	A	7430DC, 74H30DC 74S30DC, 74LS30DC	5430DM, 54H30DM 54S30DM, 54LS30DM	6A
Flatpak (F)	A	74S30FC, 74LS30FC	54S30FM, 54LS30FM	3I
	B	7430FC, 74H30FC	5430FM, 54H30FM	

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

PINS	54/74 (U.L.) HIGH/LOW	54/74H (U.L.) HIGH/LOW	54/74S (U.L.) HIGH/LOW	54/74LS (U.L.) HIGH/LOW
Inputs	1.0/1.0	1.25/1.25	1.25/1.25	0.5/0.25
Outputs	20/10	12.5/12.5	25/12.5	10/5.0 (2.5)

DC AND AC CHARACTERISTICS: See Section 3*

SYMBOL	PARAMETER	54/74		54/74H		54/74S		54/74LS		UNITS	CONDITIONS	
		Min	Max	Min	Max	Min	Max	Min	Max		$V_{IN} = \text{Gnd}$ $V_{CC} = \text{Max}$	
I_{CCH}	Power Supply		2.0		4.2		5.0		0.5	mA		$V_{IN} = \text{Gnd}$
I_{CCL}	Current		6.0		10		10		1.1		$V_{IN} = \text{Open}$	
t_{PLH} t_{PHL}	Propagation Delay		22 15		10 12		2.0 2.0		6.0 7.0	ns	Figs. 3-1, 3-4	

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