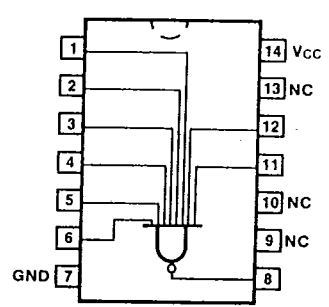


7-43-15

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

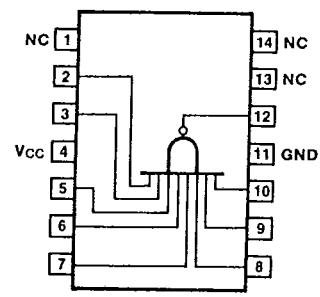
CONNECTION DIAGRAMS
PINOUT A



ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		V _{CC} = +5.0 V ±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	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	

PINOUT B



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} = Gnd	V _{CC} = Max
I _{CC} H	Power Supply Current	2.0	4.2	5.0	0.5	mA	V _{IN} = Gnd		ns	Figs. 3-1, 3-4		
I _{CC} L	Current	6.0	10	10	1.1		V _{IN} = Open					
t _{PLH}	Propagation Delay	22	10	2.0	6.0	ns	Figs. 3-1, 3-4					
t _{PHL}		15	12	2.0	7.0		20					

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