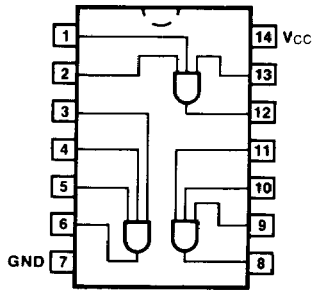
54/7411
54H/74H11
54S/74S11
54LS/74LS11

TRIPLE 3-INPUT AND GATE

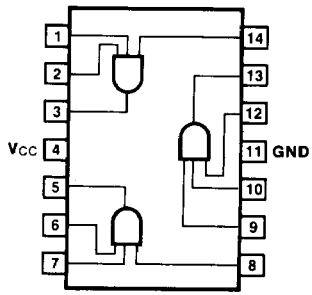
CONNECTION DIAGRAMS
PINOUT A



ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE V_{CC} = +5.0 V ±5%, T_A = 0°C to +70°C	MILITARY GRADE V_{CC} = +5.0 V ±10%, T_A = -55°C to +125°C	PKG TYPE
Plastic DIP (P)	A	7411PC, 74H11PC 74S11PC, 74LS11PC		9A
Ceramic DIP (D)	A	7411DC, 74H11DC 74S11DC, 74LS11DC	5411DM, 54H11DM 54S11DM, 54LS11DM	6A
Flatpak (F)	A	74S11FC, 74LS11FC	54S11FM, 54LS11FM	3I
	B	7411FC, 74H11FC	5411FM, 54H11FM	

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 Min	54/74 Max	54/74H Min	54/74H Max	54/74S Min	54/74S Max	54/74LS Min	54/74LS Max	UNITS	CONDITIONS	
I_{CCH}	Power Supply		15		30		24		3.6	mA	V_{IN} = Open	V_{CC} = Max
I_{CCL}	Current		24		48		42		6.6		V_{IN} = Gnd	
t_{PLH}	Propagation Delay		27		12	2.5	7.0		13	ns	Figs. 3-1, 3-5	
t_{PHL}			19		12	2.5	7.5		11			

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