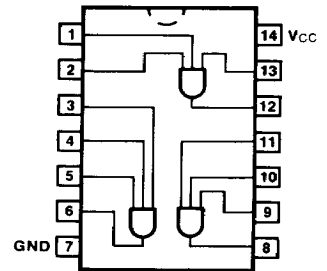


✓ 54/7411 011028  
 ✓ 54H/74H11 011032  
 ✓ 54S/74S11 011033  
 ✓ 54LS/74LS11 011031  
**TRIPLE 3-INPUT AND GATE**

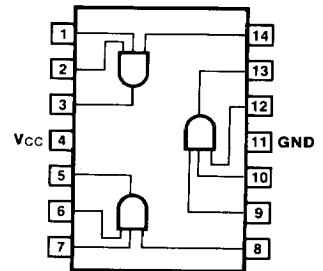
**CONNECTION DIAGRAMS  
PINOUT A**



**ORDERING CODE:** See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		V <sub>CC</sub> = +5.0 V ±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	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		54/74H		54/74S		54/74LS		UNITS	CONDITIONS	
		Min	Max	Min	Max	Min	Max	Min	Max		V <sub>CC</sub> = Max V <sub>IN</sub> = Open V <sub>IN</sub> = Gnd	Figs. 3-1, 3-5
I <sub>CC</sub> H	Power Supply		15		30		24		3.6	mA		
I <sub>CC</sub> L	Current		24		48		42		6.6			
t <sub>PLH</sub>	Propagation Delay		27		12		2.5 7.0		13	ns	Figs. 3-1, 3-5	
t <sub>PHL</sub>			19		12		2.5 7.5		11			

\*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.