

54S/74S260
54LS/74LS260

PIN CONFIGURATION

ORDERING CODE (See Section 9 for further Package and Ordering Information)

PACKAGES	PIN CONF.	COMMERCIAL RANGES $V_{CC}=5V \pm 5\%$; $T_A=0^\circ C$ to $+70^\circ C$		MILITARY RANGES $V_{CC}=5V \pm 10\%$; $T_A=-55^\circ C$ to $+125^\circ C$	
Plastic DIP	Fig. A	N74S260N	• N74LS260N		
Ceramic DIP	Fig. A	N74S260F	• N74LS260F	S54S260F	• S54LS260F
Flatpak	Fig. A			S54S260W	• S54LS260W

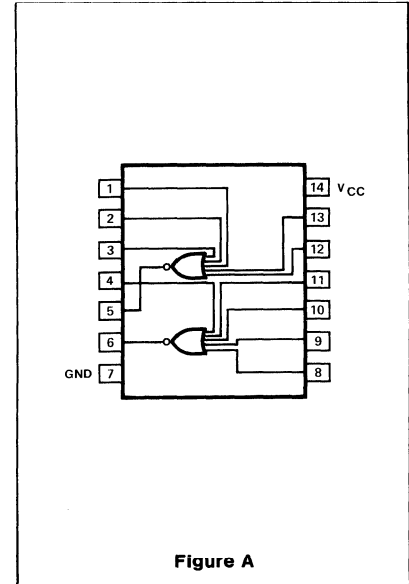


Figure A

INPUT AND OUTPUT LOADING AND FAN-OUT TABLE(a)

PINS		54/74	54H/74H	54S/74S	54LS/74LS
Inputs	I_{IH} (μA)			50	20
	I_{IL} (mA)			-2.0	-0.36
Outputs	I_{OH} (μA)			-1000	-400
	I_{OL} (mA)			20	4/8 (a)

DC CHARACTERISTICS OVER OPERATING TEMPERATURE RANGE(b)

PARAMETER	TEST CONDITIONS	54/74		54H/74H		54S/74S		54LS/74LS		UNIT
		Min	Max	Min	Max	Min	Max	Min	Max	
I_{CCH} Supply current	$V_{CC} = \text{Max}, V_{IN} = 0V$						29		3.2	mA
I_{CCL} Supply current	$V_{CC} = \text{Max}, V_{IN} \geq 4.5V$						45		5.4	mA

AC CHARACTERISTICS: $T_A=25^\circ C$ (See Section 4 for Waveforms and Conditions)

PARAMETER	TEST CONDITIONS	54/74		54H/74H		54S/74S		54LS/74LS		UNIT
						$C_L = 15pF$ $R_L = 280\Omega$		$C_L = 15pF$ $R_L = 2K\Omega$		
		Min	Max	Min	Max	Min	Max	Min	Max	
t_{PLH} t_{PHL} Propagation delay	Waveform 1						5.5 6.0		15 15	ns ns

NOTES

- a. The slashed numbers indicate different parametric values for Military/Commercial temperature ranges respectively.
- b. For family dc Characteristics see inside front cover for 54/74 and 54H/74H, and see inside back cover for 54S/74S and 54LS/74LS specification.