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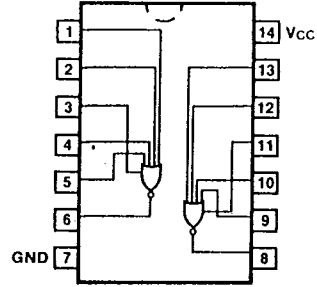
T-43-15

**54/7425**  
**DUAL 4-INPUT NOR GATE**  
 (With Strobe)

**CONNECTION DIAGRAM**  
**PINOUT A**

ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG OUT
		$V_{CC} = +5.0\text{ V} \pm 5\%$ , $T_A = 0^\circ\text{C to } +70^\circ\text{C}$	$V_{CC} = +5.0\text{ V} \pm 10\%$ , $T_A = -55^\circ\text{C to } +125^\circ\text{C}$	
Plastic DIP (P)	A	7425PC		9A
Ceramic DIP (D)	A	7425DC	5425DM	6A
Flatpak (F)	A	7425FC	5425FM	3I



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

PINS	54/74 (U.L.) HIGH/LOW
Data Inputs	1.0/1.0
Strobe Inputs	4.0/4.0
Outputs	20/10

DC AND AC CHARACTERISTICS: See Section 3\*

SYMBOL	PARAMETER	54/74		UNITS	CONDITIONS	
		Min	Max			
$I_{CCH}$	Power Supply Current		16	mA	$V_{IN} = \text{Gnd}$	$V_{CC} = \text{Max}$
$I_{CCL}$			19		$V_{IN} = \text{Open}$	
$t_{PLH}$ $t_{PHL}$	Propagation Delay		22 15	ns	Figs. 3-1, 3-4	

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