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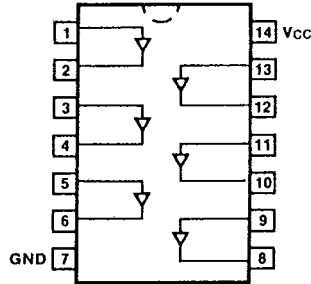
T-43-15

# 54/7417

## HEX BUFFER/DRIVER

(With Open-Collector High-Voltage Output)

### CONNECTION DIAGRAM PINOUT A



ORDERING CODE: See Section 9

PKGS	PIN OUT	COMMERCIAL GRADE	MILITARY GRADE	PKG TYPE
		$V_{CC} = +5.0\text{ V} \pm 5\%$ , $T_A = 0^\circ\text{ C to } +70^\circ\text{ C}$	$V_{CC} = +5.0\text{ V} \pm 10\%$ , $T_A = -55^\circ\text{ C to } +125^\circ\text{ C}$	
Plastic DIP (P)	A	7417PC		9A
Ceramic DIP (D)	A	7417DC	5417DM	6A
Flatpak (F)	A	7417FC	5417FM	3I

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

PINS	54/74 (U.L.) HIGH/LOW
Inputs	1.0/1.0
Outputs	OC**/10

DC AND AC CHARACTERISTICS: See Section 3\*

SYMBOL	PARAMETER	54/74		UNITS	CONDITIONS
		Min	Max		
VOL	Output LOW Voltage	XC	0.7	V	$I_{OL} = 40\text{ mA}$ $V_{CC} = \text{Min}$ $V_{IN} = V_{IL}$
		XM	0.7		
		XC, XM	0.4		
IOH	Output HIGH Current		0.25	mA	$V_{OH} = 15\text{ V}$ , $V_{CC} = \text{Min}$ , $V_{IN} = V_{IH}$
ICCH	Power Supply Current		41	mA	$V_{IN} = \text{Open}$ $V_{CC} = \text{Max}$
ICCL			30		
tPLH	Propagation Delay		10	ns	Figs. 3-2, 3-5
tPHL			30		

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

\*\*OC—Open Collector