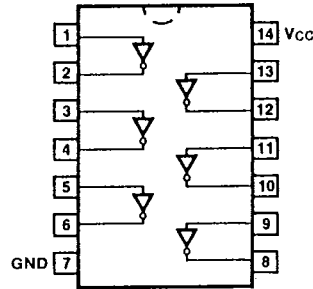


54/7416

HEX INVERTER 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 V ±5%, T _A = 0°C to +70°C	V _{CC} = +5.0 V ±10%, T _A = -55°C to +125°C	
Plastic DIP (P)	A	7416PC		9A
Ceramic DIP (D)	A	7416DC	5416DM	6A
Flatpak (F)	A	7416FC	5416FM	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			
V _{OL}	Output LOW Voltage	XC	0.7	V	I _{OL} = 40 mA	V _{CC} = Min V _{IN} = V _{IH}
		XM	0.7		I _{OL} = 30 mA	
		XC, XM	0.4		I _{OL} = 16 mA	
I _{OH}	Output HIGH Current		0.25	mA	V _{OH} = 15 V, V _{CC} = Min V _{IN} = V _{IL}	
I _{CC} H	Power Supply Current		48	mA	V _{IN} = Gnd	V _{CC} = Max
I _{CC} L			51		V _{IN} = Open	
t _{PLH} t _{PHL}	Propagation Delay		15 23	ns	Figs. 3-2, 3-4	

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

**OC — Open Collector

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