



TRUE TABLE

CLOCK UP	CLOCK DOWN	RESET	PARALLEL LOAD	FANCTION
↑	H	L	H	Count Up
H	↑	L	H	Count Down
X	X	H	X	Reset
X	X	L	L	Load Preset inputs

NOTE: H = High Voltage Level, L = Low Voltage Level, X = Don't Care, ↑ = Transition from Low to High Level

ELECTRICAL CHARACTERISTICS AND RECOMMENDED OPERATING CONDITIONS

PARAMETER	MAX or MIN	CD74 HC	UNIT
I _{CC}	MAX	0.16	mA
I _{OH}	MAX	-4	mA
I _{OL}	MAX	4	mA

TIMING REQUIREMENTS AND SWITCHING CHARACTERISTICS

PARAMETER	INPUT	OUTPUT	MAX or MIN	CD74 HC
t _w	CPU, CPD		MIN	35
	PL			24
	MR			30
t _{su}	P _n to $\overline{\text{PL}}$		MIN	24
t _h	P _n to $\overline{\text{PL}}$		MIN	0
	CPD to CPU, CPD to CPU			24
t _{PLH}	CPU	$\overline{\text{TCU}}$	MAX	38
t _{PHL}				38
t _{PLH}	CPD	$\overline{\text{TCD}}$	MAX	38
t _{PHL}				38
t _{PLH}	CPU	Q _n	MAX	65
t _{PHL}				65
t _{PLH}	CPD	Q _n	MAX	65
t _{PHL}				65
t _{PLH}	$\overline{\text{PL}}$	Q _n	MAX	66
t _{PHL}				66
t _{PHL}	MR	Q _n	MAX	60

UNIT:ns