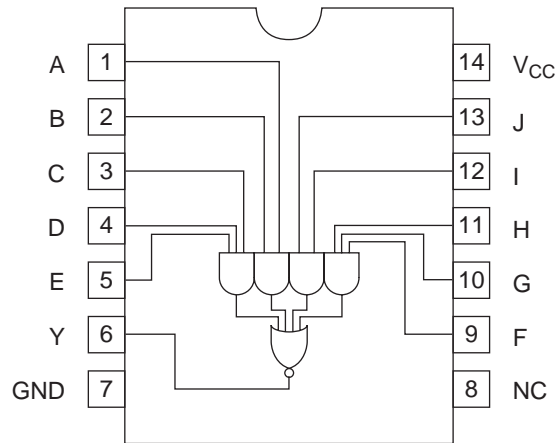
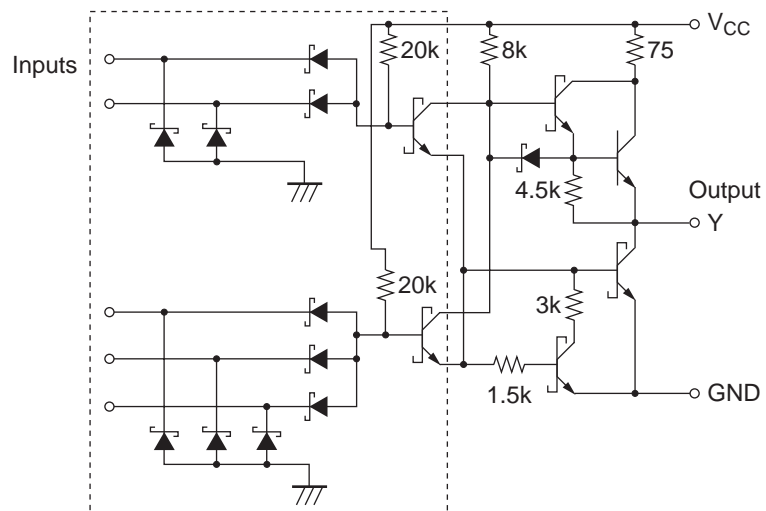


## Pin Arrangement



(Top view)

## Circuit Schematic



Note: The schematic within the dashed line is included the half input terminals of HD74LS54.

**Absolute Maximum Ratings**

Item	Symbol	Ratings	Unit
Supply voltage	$V_{CC}$	7	V
Input voltage	$V_{IN}$	7	V
Power dissipation	$P_T$	400	mW
Storage temperature	$T_{stg}$	-65 to +150	°C

Note: Voltage value, unless otherwise noted, are with respect to network ground terminal.

**Recommended Operating Conditions**

Item	Symbol	Min	Typ	Max	Unit
Supply voltage	$V_{CC}$	4.75	5.00	5.25	V
Output current	$I_{OH}$	—	—	-400	$\mu A$
	$I_{OL}$	—	—	8	mA
Operating temperature	$T_{opr}$	-20	25	75	°C

**Electrical Characteristics**

( $T_a = -20$  to  $+75$  °C)

Item	Symbol	min.	typ.*	max.	Unit	Condition
Input voltage	$V_{IH}$	2.0	—	—	V	
	$V_{IL}$	—	—	0.8	V	
Output voltage	$V_{OH}$	2.7	—	—	V	$V_{CC} = 4.75$ V, $V_{IL} = 0.8$ V, $I_{OH} = -400$ $\mu A$
	$V_{OL}$	—	—	0.5	V	$I_{OL} = 8$ mA $V_{CC} = 4.75$ V, $V_{IH} = 2$ V
		—	—	0.4		
Input current	$I_{IH}$	—	—	20	$\mu A$	$V_{CC} = 5.25$ V, $V_I = 2.7$ V
	$I_{IL}$	—	—	-0.4	mA	$V_{CC} = 5.25$ V, $V_I = 0.4$ V
	$I_I$	—	—	0.1	mA	$V_{CC} = 5.25$ V, $V_I = 7$ V
Short-circuit output current	$I_{OS}$	-20	—	-100	mA	$V_{CC} = 5.25$ V
Supply current	$I_{CCH}$	—	0.8	1.6	mA	$V_{CC} = 5.25$ V
	$I_{CCL}$	—	1.0	2.0	mA	$V_{CC} = 5.25$ V
Input clamp voltage	$V_{IR}$	—	—	-1.5	V	$V_{CC} = 4.75$ V, $I_{IN} = -18$ mA

Note: \*  $V_{CC} = 5$  V,  $T_a = 25$  °C

**Switching Characteristics**

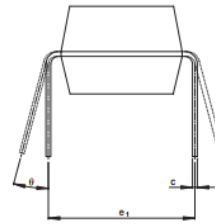
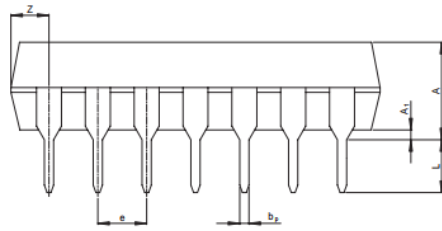
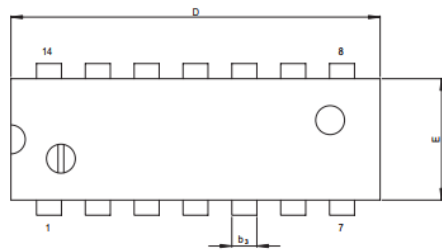
( $V_{CC} = 5$  V,  $T_a = 25$  °C)

Item	Symbol	min.	typ.	max.	Unit	Condition
Propagation delay time	$t_{PLH}$	—	12	20	ns	$C_L = 15$ pF, $R_L = 2$ k $\Omega$
	$t_{PHL}$	—	12.5	20	ns	

Note: Refer to Test Circuit and Waveform of the Common Item "TTL Common Matter (Document No.: REJ27D0005-0100)".

## Package Dimensions

DIP



( NiPd/Au plating )

Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
$e_1$	—	7.62	—
$D$	—	19.2	20.32
$E$	—	6.3	7.4
$A$	—	—	5.06
$A_1$	0.51	—	—
$b_p$	0.40	0.48	0.56
$b_3$	—	1.30	—
$c$	0.19	0.25	0.31
$\theta$	0°	—	15°
$e$	2.29	2.54	2.79
$Z$	—	—	2.39
$L$	2.54	—	—

以上信息仅供参考. 如需帮助联系客服人员。谢谢 XINLUDA

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Inverters](#) category:*

*Click to view products by [XINLUDA](#) manufacturer:*

Other Similar products are found below :

[5962-8550101CA](#) [E5-652Z](#) [NL17SGU04P5T5G](#) [NL17SZ14P5T5G](#) [NLX2G04BMX1TCG](#) [412327H](#) [022413E](#) [NL17SG14AMUTCG](#)  
[NLU2G04AMUTCG](#) [NLU2GU04BMX1TCG](#) [NLV14049UBDR2G](#) [NLV14069UBDTR2G](#) [NLV17SZ14DFT2G](#) [NLVVHC1G05DFT2G](#)  
[74LVC2G17FW4-7](#) [NLU2G04CMX1TCG](#) [NLV17SZ06DFT2G](#) [NLV27WZ04DFT2G](#) [NLV74HCT14ADTR2G](#) [NLX2G14CMUTCG](#)  
[NLU1G04AMX1TCG](#) [SNJ54ACT14W](#) [SNJ54AC04W](#) [NCV1729SN35T1G](#) [TC74VHC04FK\(EL,K\)](#) [NLV74HC04ADTR2G](#)  
[NLV17SZ04DFT2G](#) [74AUP2G04FW3-7](#) [NLU1G04AMUTCG](#) [NLX2G04CMUTCG](#) [NLX2G04AMUTCG](#) [NLV74ACT00DR2G](#)  
[NLV74AC14DR2G](#) [NLV37WZ14USG](#) [NLV27WZ04DFT1G](#) [NLV14106BDG](#) [NLU1GU04CMUTCG](#) [NLU1GT14AMUTCG](#)  
[NLU1G04CMUTCG](#) [NL17SZU04P5T5G](#) [NL17SG14DFT2G](#) [74LVC06ADTR2G](#) [74LVC04ADR2G](#) [TC7SZ04AFS,L3J](#)  
[NLU1GT04AMUTCG](#) [NLV37WZ04USG](#) [NLX3G14FMUTCG](#) [NL17SZ04P5T5G](#) [NL17SG14P5T5G](#) [NLV27WZU04DFT2G](#)