AiP74LVC1G74
Single D-type flip-flop with set and reset; positive edge trigger

Product Specification

Specification Revision History:

Version	Date	Description
2017-05-A1	2017-05	New
2021-05-A2	2021-05	Add VSSOP8 Ordering Information
2021-12-A3	2021-12	Modify ordering information
2022-02-A4	2022-02	Modify ambient temperature to -40℃~+105℃ and add electrical characteristics of -40℃~+105℃
2022-03-A5	2022-03	Modify ordering information note 1

1、General Description

The AiP74LVC1G74 is a single positive edge triggered D-type flip-flop with individual data (D) inputs, clock (CP) inputs, set ($\overline{SD}$) and reset ($\overline{RD}$) inputs, and complementary Q and $\overline{Q}$ outputs.

This device is fully specified for partial power-down applications using I_{OFF}. The I_{OFF} circuitry disables the output, preventing damaging backflow current through the device when it is powered down.

The set and reset are asynchronous active LOW inputs and operate independently of the clock input. Information on the data input is transferred to the Q output on the LOW-to-HIGH transition of the clock pulse. The D inputs must be stable one set-up time prior to the LOW-to-HIGH clock transition for predictable operation.

Features:

- Wide supply voltage range from 1.65V to 5.5V
- 5 V tolerant outputs for interfacing with 5 V logic
- ±24mA output drive (V_{CC}=3.0V)
- CMOS low power consumption
- Latch-up performance exceeds 250mA
- Direct interface with TTL levels
- Input accepts voltages up to 5V
- Specified from -40℃ to +105℃
- Packaging information: TSSOP8/VSSOP8

Ordering Information:

Reel packing specifications:

Part number	Packaging form	Marking code	Reel quantity	Boxed reel quantity	Notes
AiP74LVC1G74TA8.TR	TSSOP8	ASXX	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 3.0mm×3.0mm Pin spacing: 0.65mm
AiP74LVC1G74YA8.TR	VSSOP8	ASXX	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 2.0mm×2.3mm Pin spacing:0.50mm

Note 1: “XX” refers to variable content, meaning year and package batch serial number.

Note 2: If the physical information is inconsistent with the ordering information, please refer to the actual product.

2、Block Diagram And Pin Description

2.1、Block Diagram

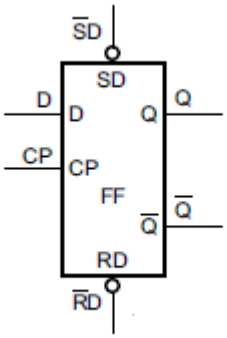


Figure 1. Logic symbol

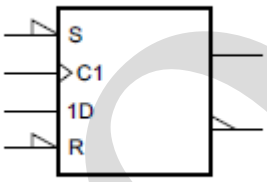


Figure 2. IEC logic symbol

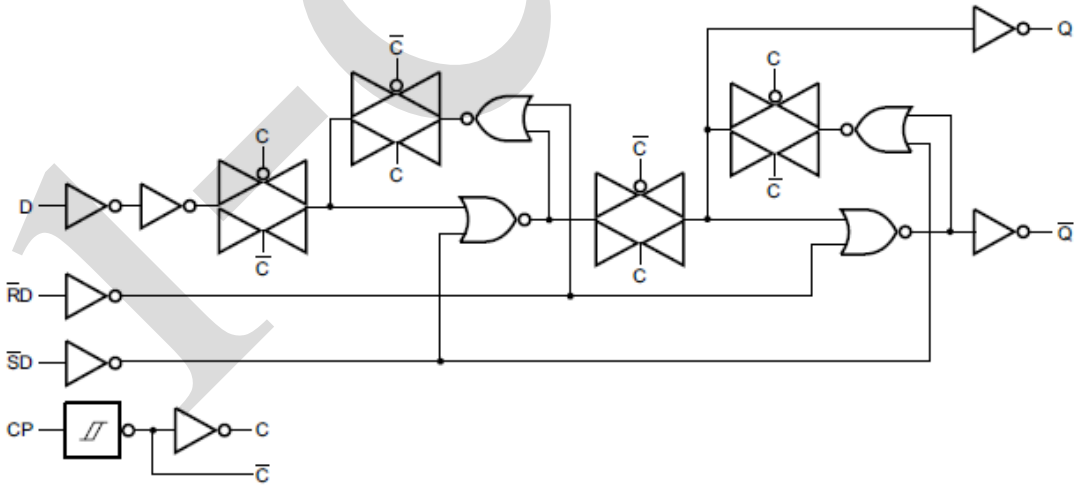
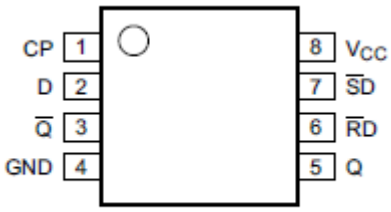


Figure 3. Logic diagram

2.2、Pin Configurations



2.3、Pin Description

Pin No.	Pin Name	Description
1	CP	clock input (LOW-to-HIGH, edge-triggered)
2	D	data input
3	$\overline{Q}$	complement output
4	GND	ground (0V)
5	Q	true output
6	$\overline{RD}$	asynchronous reset-direct input (active LOW)
7	$\overline{SD}$	asynchronous set-direct input (active LOW)
8	V_{CC}	supply voltage

2.4、Function Table

Function table for asynchronous operation

Input				Output	
$\overline{SD}$	$\overline{RD}$	CP	D	Q	$\overline{Q}$
L	H	X	X	H	L
H	L	X	X	L	H
L	L	X	X	H	H

Note: H=HIGH voltage level; L=LOW voltage level; X=don't care.

Function table for synchronous operation

Input				Output	
$\overline{SD}$	$\overline{RD}$	CP	D	Q_{n+1}	$\overline{Q}_{n+1}$
H	H	↑	L	L	H
H	H	↑	H	H	L

Note: H=HIGH voltage level; L=LOW voltage level; ↑= LOW-to-HIGH CP transition;

Q_{n+1} = state after the next LOW-to-HIGH CP transition.

3、Electrical Parameter

3.1、Absolute Maximum Ratings

(Voltages are referenced to GND(ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions	Min.	Max.	Unit
supply voltage	V_{CC}	-	-0.5	+6.5	V
input voltage	V_I	-	-0.5	+6.5	V
output voltage	V_O	Active mode	-0.5	V_{CC}+0.5	V
		Power-down mode	-0.5	+6.5	V
input clamping current	I_{IK}	V_I < 0V	-50	-	mA
output clamping current	I_{OK}	V_O > V_{CC} or V_O < 0V	-	±50	mA
output current	I_O	V_O=0V to V_{CC}	-	±50	mA
supply current	I_{CC}	-	-	100	mA
ground current	I_{GND}	-	-100	-	mA
storage temperature	T_{stg}	-	-65	+150	℃
total power dissipation	P_{tot}	-	-	300	mW
Soldering temperature	T_L	10s	250		℃

Note:

[1] When V_{CC}=0V (Power-down mode), the output voltage can be 5.5V in normal operation

[2] For TSSOP8 package: above 55℃ the value of P_{tot} derates linearly with 2.5mW/K.

[3] For VSSOP8 package: above 110℃ the value of P_{tot} derates linearly at 8mW/K.

3.2、Recommended Operating Conditions

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
supply voltage	V_{CC}	-	1.65	-	5.5	V
input voltage	V_I	-	0	-	5.5	V
output voltage	V_O	Active mode	0	-	V_{CC}	V
		Power-down mode; V_{CC}=0V	0	-	5.5	V
ambient temperature	T_{amb}	-	-40	-	+105	℃
input transition rise and fall rate	$\Delta t/\Delta V$	V_{CC}=1.65V to 2.7V	-	-	20	ns/V
		V_{CC}=2.7V to 5.5V	-	-	10	ns/V

3.3、Electrical Characteristics

3.3.1、DC Characteristics 1

(T_{amb}=-40℃ to +85℃, voltages are referenced to GND (ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
HIGH-level input voltage	V_{IH}	V_{CC}=1.65V to 1.95V		0.65× V_{CC}	-	-	V
		V_{CC}=2.3V to 2.7V		1.7	-	-	V
		V_{CC}=2.7V to 3.6V		2.0	-	-	V
		V_{CC}=4.5V to 5.5V		0.7× V_{CC}	-	-	V
LOW-level input voltage	V_{IL}	V_{CC}=1.65V to 1.95V		-	-	0.35× V_{CC}	V
		V_{CC}=2.3V to 2.7V		-	-	0.7	V
		V_{CC}=2.7V to 3.6V		-	-	0.8	V
		V_{CC}=4.5V to 5.5V		-	-	0.3× V_{CC}	V
HIGH-level output voltage	V_{OH}	V_I = V_{IH} or V_{IL}	I_O=-100uA; V_{CC}=1.65V to 5.5V	V_{CC}-0.1	-	-	V
			I_O=-4mA; V_{CC}=1.65V	1.2	1.54	-	V
			I_O=-8mA; V_{CC}=2.3V	1.9	2.15	-	V
			I_O=-12mA; V_{CC}=2.7V	2.2	2.50	-	V
			I_O=-24mA; V_{CC}=3.0V	2.3	2.62	-	V
			I_O=-32mA; V_{CC}=4.5V	3.8	4.11	-	V
LOW-level output voltage	V_{OL}	V_I = V_{IH} or V_{IL}	I_O=100uA; V_{CC}=1.65V to 5.5V	-	-	0.10	V
			I_O=4mA; V_{CC}=1.65V	-	0.07	0.45	V
			I_O=8mA; V_{CC}=2.3V	-	0.12	0.30	V
			I_O=12mA; V_{CC}=2.7V	-	0.17	0.40	V
			I_O=24mA; V_{CC}=3.0V	-	0.33	0.55	V
			I_O=32mA; V_{CC}=4.5V	-	0.39	0.55	V
input leakage current	I_I	V_I=5.5V or GND; V_{CC}=0V to 5.5V		-	±0.1	±1	uA
power-off leakage current	I_{OFF}	V_I or V_O=5.5V; V_{CC}=0V		-	±0.1	±2	uA
supply current	I_{CC}	V_I=5.5V or GND; I_O=0A; V_{CC}=1.65V to 5.5V		-	0.1	4	uA
additional supply current	ΔI_{CC}	per pin; V_I=V_{CC}-0.6V; I_O=0A; V_{CC}=2.3V to 5.5V		-	5	500	uA
input capacitance	C_I	-		-	4.0	-	pF

Note: All typical values are measured at T_{amb}=25℃.

3.3.2、DC Characteristics 2

(T_{amb}=-40℃ to +105℃, voltages are referenced to GND (ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
HIGH-level input voltage	V_{IH}	V_{CC}=1.65V to 1.95V		0.65× V_{CC}	-	-	V
		V_{CC}=2.3V to 2.7V		1.7	-	-	V
		V_{CC}=2.7V to 3.6V		2.0	-	-	V
		V_{CC}=4.5V to 5.5V		0.7× V_{CC}	-	-	V
LOW-level input voltage	V_{IL}	V_{CC}=1.65V to 1.95V		-	-	0.35× V_{CC}	V
		V_{CC}=2.3V to 2.7V		-	-	0.7	V
		V_{CC}=2.7V to 3.6V		-	-	0.8	V
		V_{CC}=4.5V to 5.5V		-	-	0.3× V_{CC}	V
HIGH-level output voltage	V_{OH}	V_I = V_{IH} or V_{IL}	I_O=-100uA; V_{CC}=1.65V to 5.5V	V_{CC}-0.1	-	-	V
			I_O=-4mA; V_{CC}=1.65V	0.95	-	-	V
			I_O=-8mA; V_{CC}=2.3V	1.7	-	-	V
			I_O=-12mA; V_{CC}=2.7V	1.9	-	-	V
			I_O=-24mA; V_{CC}=3.0V	2.0	-	-	V
			I_O=-32mA; V_{CC}=4.5V	3.4	-	-	V
LOW-level output voltage	V_{OL}	V_I = V_{IH} or V_{IL}	I_O=100uA; V_{CC}=1.65V to 5.5V	-	-	0.10	V
			I_O=4mA; V_{CC}=1.65V	-	-	0.70	V
			I_O=8mA; V_{CC}=2.3V	-	-	0.45	V
			I_O=12mA; V_{CC}=2.7V	-	-	0.60	V
			I_O=24mA; V_{CC}=3.0V	-	-	0.80	V
			I_O=32mA; V_{CC}=4.5V	-	-	0.80	V
input leakage current	I_I	V_I=5.5V or GND; V_{CC}=0V to 5.5V		-	-	±1	uA
power-off leakage current	I_{OFF}	V_I or V_O=5.5V; V_{CC}=0V		-	-	±2	uA
supply current	I_{CC}	V_I=5.5V or GND; I_O=0A; V_{CC}=1.65V to 5.5V		-	-	4	uA
additional supply current	ΔI_{CC}	per pin; V_I=V_{CC}-0.6V; I_O=0A; V_{CC}=2.3V to 5.5V		-	-	500	uA

Note: All typical values are measured at T_{amb}=25℃.

3.3.3、AC Characteristics 1

(T_{amb}=-40℃ to +85℃, voltages are referenced to GND (ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
propagation delay	t_{pd}	CP to Q, $\overline{Q}$; see Figure 5	V_{CC}=1.65V to 1.95V	1.5	6.0	13.4	ns
			V_{CC}=2.3V to 2.7V	1.0	3.5	7.1	ns
			V_{CC}=2.7V	1.0	3.5	7.1	ns
			V_{CC}=3.0V to 3.6V	1.0	3.5	5.9	ns
			V_{CC}=4.5V to 5.5V	1.0	2.5	4.1	ns
		$\overline{SD}$ to Q, $\overline{Q}$; see Figure 6	V_{CC}=1.65V to 1.95V	1.5	6.0	12.9	ns
			V_{CC}=2.3V to 2.7V	1.0	3.5	7.0	ns
			V_{CC}=2.7V	1.0	3.5	7.0	ns
			V_{CC}=3.0V to 3.6V	1.0	3.0	5.9	ns
			V_{CC}=4.5V to 5.5V	1.0	2.5	4.1	ns
		$\overline{RD}$ to Q, $\overline{Q}$; see Figure 6	V_{CC}=1.65V to 1.95V	1.5	5.0	12.9	ns
			V_{CC}=2.3V to 2.7V	1.0	3.5	7.0	ns
			V_{CC}=2.7V	1.0	3.5	7.0	ns
			V_{CC}=3.0V to 3.6V	1.0	3.0	5.9	ns
			V_{CC}=4.5V to 5.5V	1.0	2.5	4.1	ns
pulse width	t_W	CP HIGH or LOW; see Figure 5	V_{CC}=1.65V to 1.95V	6.2	-	-	ns
			V_{CC}=2.3V to 2.7V	2.7	-	-	ns
			V_{CC}=2.7V	2.7	-	-	ns
			V_{CC}=3.0V to 3.6V	2.7	1.3	-	ns
			V_{CC}=4.5V to 5.5V	2.0	-	-	ns
		$\overline{SD}$ and $\overline{RD}$ LOW; see Figure 6	V_{CC}=1.65V to 1.95V	6.2	-	-	ns
			V_{CC}=2.3V to 2.7V	2.7	-	-	ns
			V_{CC}=2.7V	2.7	-	-	ns
			V_{CC}=3.0V to 3.6V	2.7	1.6	-	ns
			V_{CC}=4.5V to 5.5V	2.0	-	-	ns
recovery time	t_{rec}	$\overline{SD}$ or $\overline{RD}$; see Figure 6	V_{CC}=1.65V to 1.95V	1.9	-	-	ns
			V_{CC}=2.3V to 2.7V	1.4	-	-	ns
			V_{CC}=2.7V	1.3	-	-	ns
			V_{CC}=3.0V to 3.6V	+1.2	-3.0	-	ns
			V_{CC}=4.5V to 5.5V	1.0	-	-	ns
set-up time	t_{su}	D to CP; see Figure 5	V_{CC}=1.65V to 1.95V	2.9	-	-	ns
			V_{CC}=2.3V to 2.7V	1.7	-	-	ns
			V_{CC}=2.7V	1.7	-	-	ns
			V_{CC}=3.0V to 3.6V	1.3	0.5	-	ns
			V_{CC}=4.5V to 5.5V	1.1	-	-	ns
hold time	t_h	D to CP; see Figure 5	V_{CC}=1.65V to 1.95V	1.5	-	-	ns
			V_{CC}=2.3V to 2.7V	1.0	-	-	ns
			V_{CC}=2.7V	1.0	-	-	ns
			V_{CC}=3.0V to 3.6V	1.0	0.6	-	ns
			V_{CC}=4.5V to 5.5V	1.0	-	-	ns
maximum frequency	f_{max}	CP; see Figure 5	V_{CC}=1.65V to 1.95V	80	-	-	MHz
			V_{CC}=2.3V to 2.7V	175	-	-	MHz

			V_{CC}=2.7V	175	-	-	MHz
			V_{CC}=3.0V to 3.6V	175	280	-	MHz
			V_{CC}=4.5V to 5.5V	200	-	-	MHz
Power dissipation capacitance	C_{PD}	V_{CC}=3.3V; V_I= GND to V_{CC}		-	15	-	pF

Note:

[1] Typical values are measured at T_{amb}=25℃ and V_{CC}=1.8V, 2.5V, 2.7V, 3.3V and 5.0V respectively.

[2] t_{pd} is the same as t_{PLH} and t_{PHL}.

[3] C_{PD} is used to determine the dynamic power dissipation (P_D in uW).

$P_D=(C_{PD}\times V_{CC}^2\times f_i\times N)+\sum(C_L\times V_{CC}^2\times f_o)$ where:

f_i=input frequency in MHz;

f_o=output frequency in MHz;

C_L=output load capacitance in pF;

V_{CC}=supply voltage in V;

N=number of inputs switching;

$\sum(C_L\times V_{CC}^2\times f_o)$=sum of outputs.

3.3.4、AC Characteristics 2

(T_{amb}=-40℃ to +105℃, voltages are referenced to GND (ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
propagation delay	t_{pd}	CP to Q, $\overline{Q}$; see Figure 5	V_{CC}=1.65V to 1.95V	1.5	-	13.4	ns
			V_{CC}=2.3V to 2.7V	1.0	-	7.1	ns
			V_{CC}=2.7V	1.0	-	7.1	ns
			V_{CC}=3.0V to 3.6V	1.0	-	5.9	ns
			V_{CC}=4.5V to 5.5V	1.0	-	4.1	ns
		$\overline{SD}$ to Q, $\overline{Q}$; see Figure 6	V_{CC}=1.65V to 1.95V	1.5	-	12.9	ns
			V_{CC}=2.3V to 2.7V	1.0	-	7.0	ns
			V_{CC}=2.7V	1.0	-	7.0	ns
			V_{CC}=3.0V to 3.6V	1.0	-	5.9	ns
			V_{CC}=4.5V to 5.5V	1.0	-	4.1	ns
		$\overline{RD}$ to Q, $\overline{Q}$; see Figure 6	V_{CC}=1.65V to 1.95V	1.5	-	12.9	ns
			V_{CC}=2.3V to 2.7V	1.0	-	7.0	ns
			V_{CC}=2.7V	1.0	-	7.0	ns
			V_{CC}=3.0V to 3.6V	1.0	-	5.9	ns
			V_{CC}=4.5V to 5.5V	1.0	-	4.1	ns
pulse width	t_W	CP HIGH or LOW; see Figure 5	V_{CC}=1.65V to 1.95V	6.2	-	-	ns
			V_{CC}=2.3V to 2.7V	2.7	-	-	ns
			V_{CC}=2.7V	2.7	-	-	ns
			V_{CC}=3.0V to 3.6V	2.7	-	-	ns
			V_{CC}=4.5V to 5.5V	2.0	-	-	ns
		$\overline{SD}$ and $\overline{RD}$ LOW; see Figure 6	V_{CC}=1.65V to 1.95V	6.2	-	-	ns
			V_{CC}=2.3V to 2.7V	2.7	-	-	ns
			V_{CC}=2.7V	2.7	-	-	ns
			V_{CC}=3.0V to 3.6V	2.7	-	-	ns

			V_{CC}=4.5V to 5.5V	2.0	-	-	ns
recovery time	t_{rec}	$\overline{SD}$ or $\overline{RD}$; see Figure 6	V_{CC}=1.65V to 1.95V	1.9	-	-	ns
			V_{CC}=2.3V to 2.7V	1.4	-	-	ns
			V_{CC}=2.7V	1.3	-	-	ns
			V_{CC}=3.0V to 3.6V	+1.2	-	-	ns
			V_{CC}=4.5V to 5.5V	1.0	-	-	ns
set-up time	t_{su}	D to CP; see Figure 5	V_{CC}=1.65V to 1.95V	2.9	-	-	ns
			V_{CC}=2.3V to 2.7V	1.7	-	-	ns
			V_{CC}=2.7V	1.7	-	-	ns
			V_{CC}=3.0V to 3.6V	1.3	-	-	ns
			V_{CC}=4.5V to 5.5V	1.1	-	-	ns
hold time	t_h	D to CP; see Figure 5	V_{CC}=1.65V to 1.95V	1.5	-	-	ns
			V_{CC}=2.3V to 2.7V	1.0	-	-	ns
			V_{CC}=2.7V	1.0	-	-	ns
			V_{CC}=3.0V to 3.6V	1.0	-	-	ns
			V_{CC}=4.5V to 5.5V	1.0	-	-	ns
maximum frequency	f_{max}	CP; see Figure 5	V_{CC}=1.65V to 1.95V	80	-	-	MHz
			V_{CC}=2.3V to 2.7V	175	-	-	MHz
			V_{CC}=2.7V	175	-	-	MHz
			V_{CC}=3.0V to 3.6V	175	-	-	MHz
			V_{CC}=4.5V to 5.5V	200	-	-	MHz

Note:

[1] Typical values are measured at T_{amb}=25℃ and V_{CC}=1.8V, 2.5V, 2.7V, 3.3V and 5.0V respectively.

[2] t_{pd} is the same as t_{PLH} and t_{PHL}.

4、Testing Circuit

4.1、AC Testing Circuit

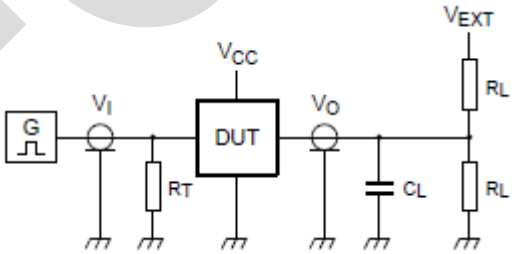


Figure 4. Test circuit for measuring switching times

Definitions for test circuit:

R_L=Load resistance.

C_L=Load capacitance including jig and probe capacitance.

R_T=Termination resistance; should be equal to the output impedance Z_o of the pulse generator.

V_{EXT}=External voltage for measuring switching times.

4.2、AC Testing Waveforms

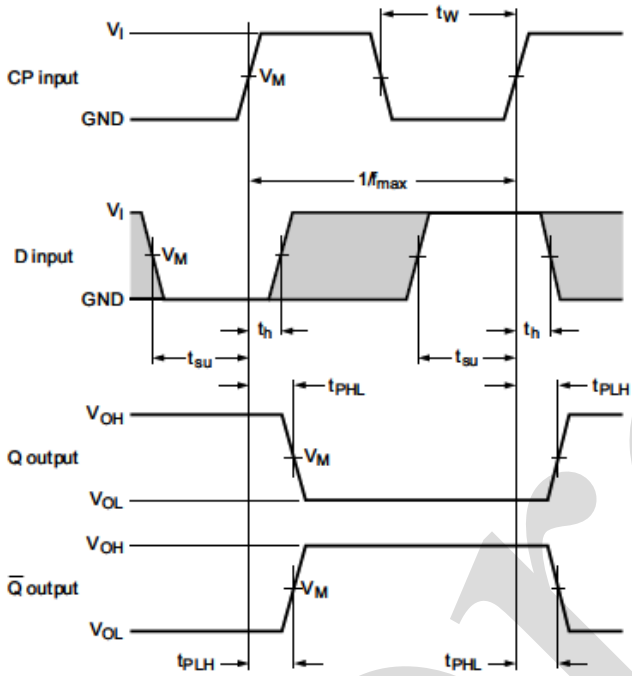


Figure 5. The clock input (CP) to output (Q, $\overline{Q}$) propagation delays, the clock pulse width, the D to CP set-up, the CP to D hold times and the maximum frequency

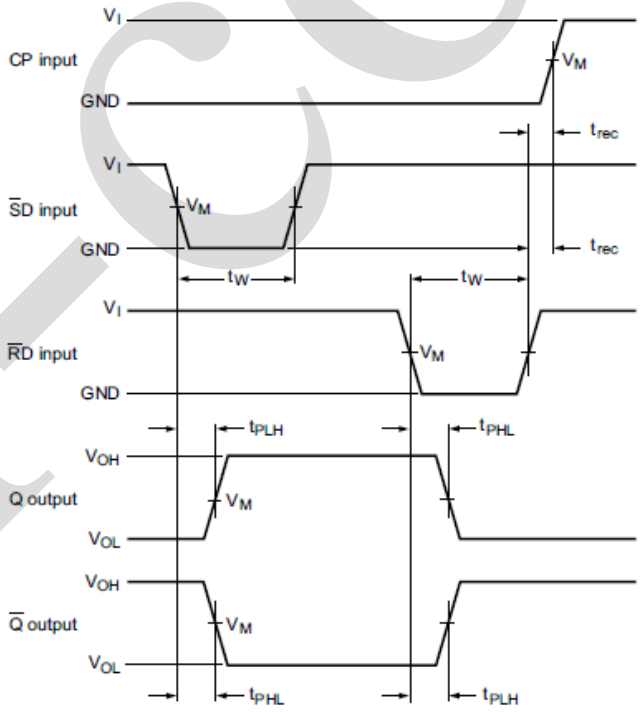


Figure 6. The set ($\overline{SD}$) and reset ($\overline{RD}$) input to output (Q, $\overline{Q}$) propagation delays, the set and reset pulse widths and the $\overline{RD}$ to CP recovery time

4.3、Measurement Points

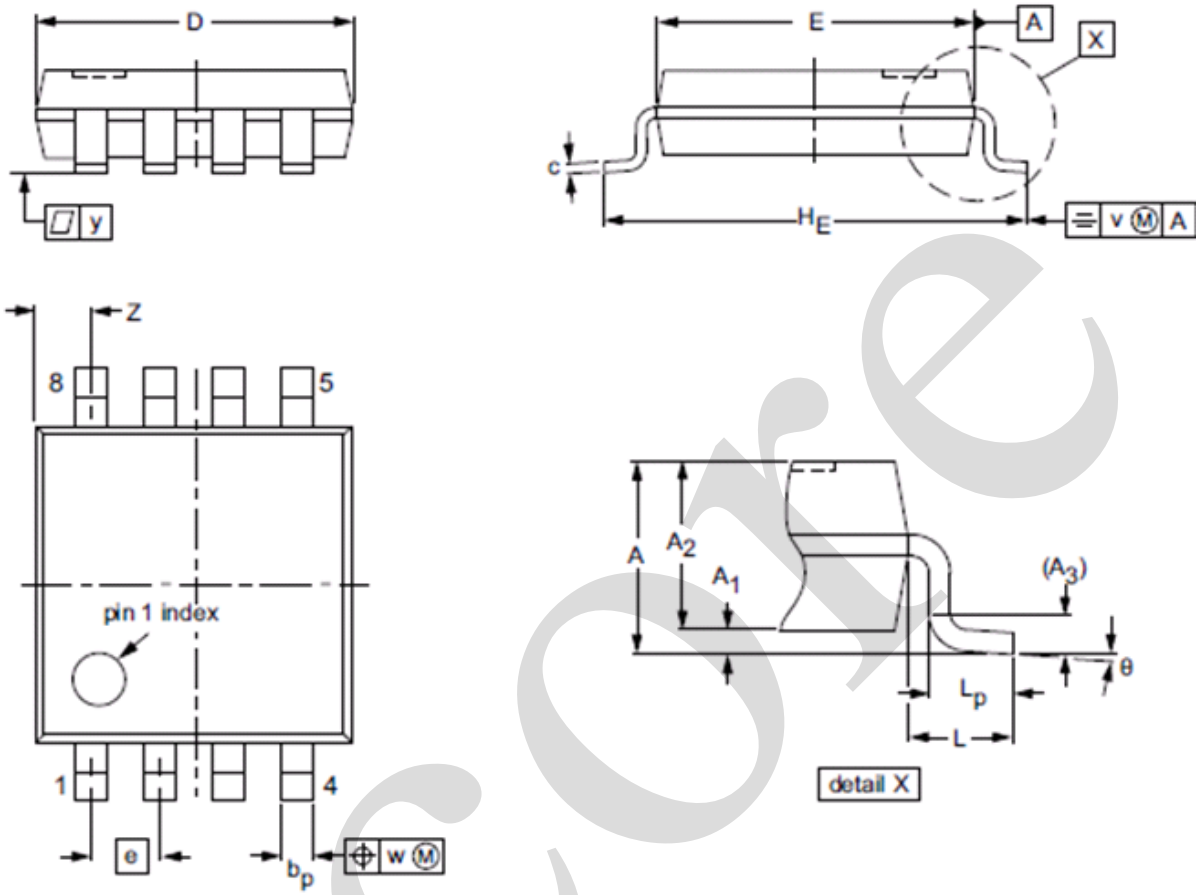
Supply voltage	Input	Output
V_{CC}	V_M	V_M
1.65V to 1.95V	$0.5\times V_{CC}$	$0.5\times V_{CC}$
2.3V to 2.7V	$0.5\times V_{CC}$	$0.5\times V_{CC}$
2.7V	1.5V	1.5V
3.0V to 3.6V	1.5V	1.5V
4.5V to 5.5V	$0.5\times V_{CC}$	$0.5\times V_{CC}$

4.4、Test Data

Supply voltage	Input		Load		V_{EXT}		
V_{CC}	V_I	$t_r = t_f$	C_L	R_L	t_{PLH}, t_{PHL}	t_{PZH}, t_{PHZ}	t_{PZL}, t_{PLZ}
1.65V to 1.95V	V_{CC}	≤ 2.0ns	30pF	1kΩ	open	GND	$2\times V_{CC}$
2.3V to 2.7V	V_{CC}	≤ 2.0ns	30pF	500Ω	open	GND	$2\times V_{CC}$
2.7V	2.7V	≤ 2.5ns	50pF	500Ω	open	GND	6V
3.0V to 3.6V	2.7V	≤ 2.5ns	50pF	500Ω	open	GND	6V
4.5V to 5.5V	V_{CC}	≤ 2.5ns	50pF	500Ω	open	GND	$2\times V_{CC}$

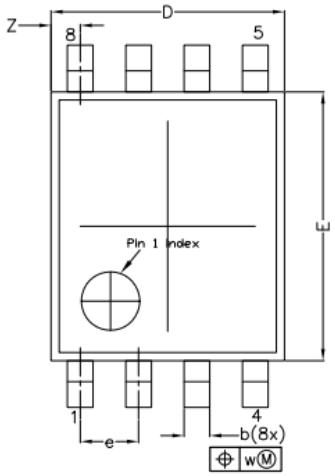
5、Package Information

5.1、TSSOP8

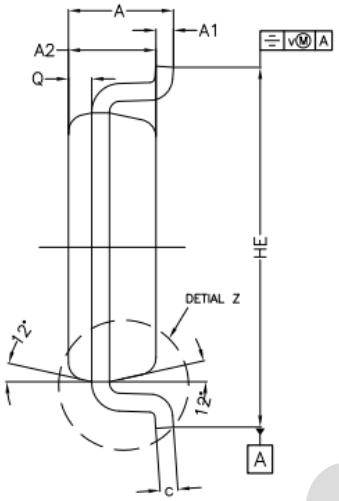


UNIT	A max.	A_1	A_2	A_3	b_p	c	$D^{(1)}$	$E^{(1)}$	e	H_E	L	L_p	v	w	y	$Z^{(1)}$	θ
mm	1.1	0.15 0.00	0.95 0.75	0.25	0.38 0.22	0.18 0.08	3.1 2.9	3.1 2.9	0.65	4.1 3.9	0.5	0.47 0.33	0.2	0.13	0.1	0.70 0.35	8° 0°

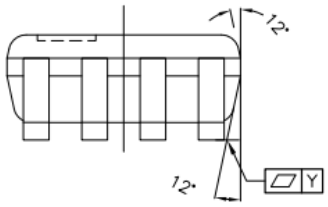
5.2、VSSOP8



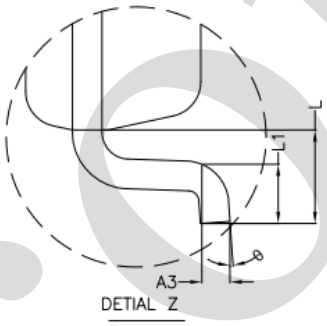
TOP VIEW



SIDE VIEW



SIDE VIEW



DETIAL Z

* CONTROLLING DIMENSION : MM

SYMBOL	MILLIMETER		
	MIN.	NOM.	MAX.
A	---	---	1.00
A1	0.00	---	0.15
A2	0.60	0.75	0.85
A3	---	0.12	---
Q	0.19	0.20	0.21
b	0.17	0.22	0.27
c	0.08	---	0.23
D	1.90	2.00	2.10
E	2.20	2.30	2.40
HE	3.00	3.10	3.20
e	0.50 bsc		
L	0.40 bsc		
L1	0.15	---	0.40
Y	---	0.10	---
v	---	0.20	---
w	---	0.08	---
Z	0.10	---	0.40
θ	0°	---	8°

NOTES

1.0 COPLANARITY APPLIES TO LEADS, CORNER LEADS AND DIE ATTACH PAD.

6、Statements And Notes

6.1、The name and content of Hazardous substances or Elements in the product

Part name	Hazardous substances or Elements									
	Lead and lead compounds	Mercury and mercury compounds	Cadmium and cadmium compounds	Hexavalent chromium compounds	Polybrominated biphenyls	Polybrominated biphenyl ethers	Dibutyl phthalate	Butylbenzyl phthalate	Di-2-ethylhexyl phthalate	Diisobutyl phthalate
Lead frame	○	○	○	○	○	○	○	○	○	○
Plastic resin	○	○	○	○	○	○	○	○	○	○
Chip	○	○	○	○	○	○	○	○	○	○
The lead	○	○	○	○	○	○	○	○	○	○
Plastic sheet installed	○	○	○	○	○	○	○	○	○	○
explanation	○：Indicates that the content of hazardous substances or elements in the detection limit of the following the SJ/T11363-2006 standard. ×：Indicates that the content of hazardous substances or elements exceeding the SJ/T11363-2006 Standard limit requirements.									

6.2、Notion

Recommended carefully reading this information before the use of this product；

The information in this document are subject to change without notice；

This information is using to the reference only, the company is not responsible for any loss；

The company is not responsible for the any infringement of the third party patents or other rights of the responsibility.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Buffers & Line Drivers ***category:***

Click to view products by I-core ***manufacturer:***

Other Similar products are found below :

LXV200-024SW 74AUP2G34FW3-7 HEF4043BP NL17SG125DFT2G NLU1GT126CMUTCG CD4041UBE 54FCT240CTDB 74HCT540N DS14C88N 070519XB NL17SZ07P5T5G 74LVC2G17FW4-7 CD4502BE 5962-8982101PA 61446R00 NL17SH17P5T5G NLV37WZ17USG 74HCT126T14-13 74VHC9126FT(BJ) RHRXH162244K1 74AUP1G34FW5-7 74AUP1G07FW5-7 74LVC1G126FW4-7 74LVC2G126RA3-7 74LVCE1G125FZ4-7 54FCT240TLB NLX3G16DMUTCG NLX2G06AMUTCG LE87100NQCT LE87285NQC LE87290YQC LE87290YQCT 74AUP1G125FW5-7 NLU2G16CMUTCG MC74LCX244MN2TWG NL17SG17P5T5G NLV74HC125ADR2G NLVHCT245ADTR2G NLVVHC1G126DFT2G EL5623IRZ ISL15102AIRZ-T13 ISL1539IRZ-T13 MC100EP17MNG MC74HCT365ADR2G MC74LCX244ADTR2G NL27WZ126US NL37WZ16US NLU1G07MUTCG NLU2G07MUTCG NLX3G17BMX1TCG