



AiP74AUP2G02

Low Power Dual 2-Input Nor Gate

Product Specification

Specification Revision History:

Version	Date	Description
2025-05-A0	2025-05	New
2025-10-A1	2025-10	Modify the parameters



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1、General Description

The AiP74AUP2G02 provides a dual 2-input NOR function which accept standard input signals.

This device ensures a very low static and dynamic power consumption across the entire V_{CC} range from 0.8V to 3.6V.

Features:

- Wide supply voltage range from 0.8V to 3.6V
- Low static power consumption; $I_{CC}=1\mu A$ (maximum)
- Inputs accept voltages up to 3.6V
- Specified from $-40^{\circ}C$ to $+125^{\circ}C$
- Packaging information: TSSOP8/VSSOP8/XSON8

Ordering Information:

Reel packing specifications:

Part number	Packaging form	Marking code	Reel quantity	Boxed reel quantity	Notes
AiP74AUP2G02TA8.TR	TSSOP8	AiPIR 2G02	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 3.0mm×3.0mm Pin spacing: 0.65mm
AiP74AUP2G02YA8.TR	VSSOP8	AiP IRXX	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 2.0mm×2.3mm Pin spacing: 0.50mm
AiP74AUP2G02EB8.TR	XSON8	IR XX	5000 PCS/reel	25000 PCS/box	Dimensions of plastic enclosure: 1.35mm×1.0mm Pin spacing: 0.35mm
AiP74AUP2G02EC8.TR	XSON8	IR XX	5000 PCS/reel	25000 PCS/box	Dimensions of plastic enclosure: 1.95mm×1.0mm Pin spacing: 0.50mm

Note 1: “XX” refers to variable content, meaning 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

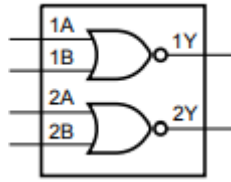


Figure 1. Logic symbol

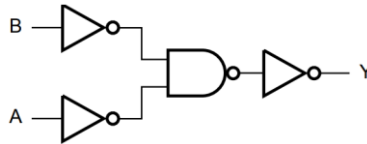
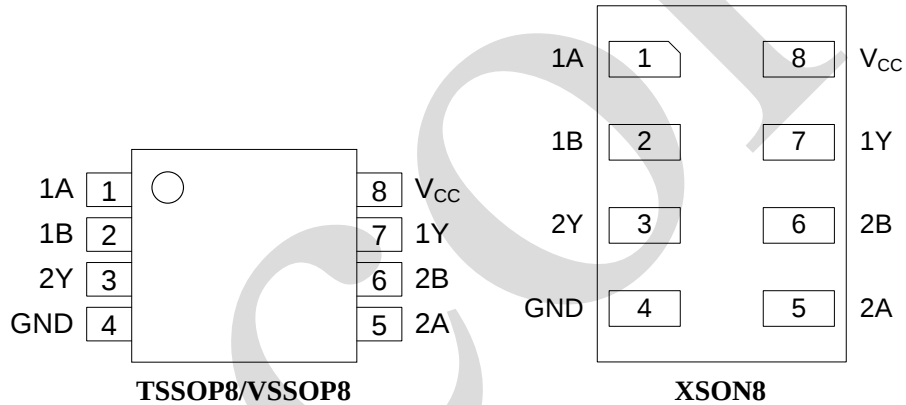


Figure 2. Logic diagram

2.2、Pin Configurations



2.3、Pin Description

Pin No.	Pin Name	Description
1	1A	data input
2	1B	data input
3	2Y	data output
4	GND	ground (0V)
5	2A	data input
6	2B	data input
7	1Y	data output
8	V _{CC}	supply voltage



2.4、Function Table

Input		Output
nA	nB	nY
L	L	H
L	H	L
H	L	L
H	H	L

Note: H=HIGH voltage level; L=LOW voltage level

3、Electrical Parameter

3.1、Absolute Maximum Ratings

($T_{amb}=25^{\circ}\text{C}$, all voltage referenced to GND, unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Max.	Unit
supply voltage	V_{CC}	-	-0.5	+4.6	V
input clamping current	I_{IK}	$V_I < 0V$	-50	-	mA
input voltage	V_I	-	-0.5	+4.6	V
output clamping current	I_{OK}	$V_O < 0V$	-50	-	mA
output voltage	V_O	Active mode and Power-down mode	-0.5	+4.6	V
output current	I_O	$V_O = 0V$ to V_{CC}	-	± 20	mA
supply current	I_{CC}	-	-	+50	mA
ground current	I_{GND}	-	-50	-	mA
storage temperature	T_{stg}	-	-65	+150	$^{\circ}\text{C}$
total power dissipation	P_{tot}	-	-	250	mW
soldering temperature	T_L	10s	260		$^{\circ}\text{C}$

3.2、Recommended Operating Conditions

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
supply voltage	V_{CC}	-	0.8	-	3.6	V
input voltage	V_I	-	0	-	3.6	V
output voltage	V_O	Active mode	0	-	V_{CC}	V
		Power-down mode; $V_{CC}=0V$	0	-	3.6	V
ambient temperature	T_{amb}	-	-40	-	+125	$^{\circ}\text{C}$
input transition rise and fall rate	$\Delta t/\Delta V$	$V_{CC}=0.8V$ to $3.6V$	0	-	200	ns/V



3.3、Electrical Characteristics

3.3.1、DC Characteristics 1

($T_{amb}=25^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Ty	Max.	Unit
HIGH-level input voltage	V _{IH}	V _{CC} =0.8V		0.72	-	-	V
		V _{CC} =0.9V to 1.95V		0.75×V _{CC}	-	-	V
		V _{CC} =2.3V to 2.7V		1.6	-	-	V
		V _{CC} =3.0V to 3.6V		2.0	-	-	V
LOW-level input voltage	V _{IL}	V _{CC} =0.8V		-	-	0.30×V _{CC}	V
		V _{CC} =0.9V to 1.95V		-	-	0.35×V _{CC}	V
		V _{CC} =2.3V to 2.7V		-	-	0.7	V
		V _{CC} =3.0V to 3.6V		-	-	0.9	V
HIGH-level output voltage	V _{OH}	V _I =V _{IH} or V _{IL}	I _O =-20uA; V _{CC} =0.8V to 3.6V	V _{CC} -0.1	-	-	V
			IO=-1.1mA; VCC=1.1V	0.75×V _{CC}	-	-	V
			IO=-1.7mA; VCC=1.4V	1.11	-	-	V
			IO=-1.9mA; VCC=1.65V	1.32	-	-	V
			IO=-2.3mA; VCC=2.3V	2.05	-	-	V
			IO=-3.1mA; VCC=2.3V	1.90	-	-	V
			IO=-2.7mA; VCC=3.0V	2.72	-	-	V
			IO=-4.0mA; VCC=3.0V	2.60	-	-	V
LOW-level output voltage	V _{OL}	V _I =V _{IH} or V _{IL}	I _O =20uA; V _{CC} =0.8V to 3.6V	-	-	0.1	V
			I _O =1.1mA; V _{CC} =1.1V	-	-	0.3×V _{CC}	V
			I _O =1.7mA; V _{CC} =1.4V	-	-	0.31	V
			I _O =1.9mA; V _{CC} =1.65V	-	-	0.31	V
			I _O =2.3mA; V _{CC} =2.3V	-	-	0.31	V
			I _O =3.1mA; V _{CC} =2.3V	-	-	0.44	V
			I _O =2.7mA; V _{CC} =3.0V	-	-	0.31	V
			I _O =4.0mA; V _{CC} =3.0V	-	-	0.44	V
input leakage current	I _I	V _I =GND to 3.6V; V _{CC} =0V to 3.6V		-	-	±1	uA
power-off leakage current	I _{OFF}	V _I or V _O =0V to 3.6V; V _{CC} =0V		-	-	±1	uA
additional power-off leakage current	ΔI _{OFF}	V _I or V _O =0V to 3.6V; V _{CC} =0V to 0.2V		-	-	±1	uA
supply current	I _{CC}	V _I =GND or V _{CC} ; I _O =0A; V _{CC} =0.8V to 3.6V		-	-	1	uA
additional supply current	ΔI _{CC}	V _I =V _{CC} -0.6V; I _O =0A; V _{CC} =3.3V		-	-	40	uA
input capacitance	C _I	V _{CC} =0V to 3.6V; V _I =GND or V _{CC}		-	0.8	-	pF
output capacitance	C _O	V _O =GND; V _{CC} =0V		-	1.7	-	pF



3.3.2、DC Characteristics 2

($T_{amb} = -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions		Min.	Ty	Max.	Unit
HIGH-level input voltage	V_{IH}	$V_{CC}=0.8\text{V}$		0.72	-	-	V
		$V_{CC}=0.9\text{V}$ to 1.95V		$0.75 \times V_{CC}$	-	-	V
		$V_{CC}=2.3\text{V}$ to 2.7V		1.6	-	-	V
		$V_{CC}=3.0\text{V}$ to 3.6V		2.0	-	-	V
LOW-level input voltage	V_{IL}	$V_{CC}=0.8\text{V}$		-	-	$0.30 \times V_{CC}$	V
		$V_{CC}=0.9\text{V}$ to 1.95V		-	-	$0.35 \times V_{CC}$	V
		$V_{CC}=2.3\text{V}$ to 2.7V		-	-	0.7	V
		$V_{CC}=3.0\text{V}$ to 3.6V		-	-	0.9	V
HIGH-level output voltage	V_{OH}	$V_I = V_{IH}$ or V_{IL}	$I_O = -20\mu\text{A}; V_{CC}=0.8\text{V}$ to 3.6V	$V_{CC}-0.1$	-	-	V
			$I_O = -1.1\text{mA}; V_{CC}=1.1\text{V}$	$0.70 \times V_{CC}$	-	-	V
			$I_O = -1.7\text{mA}; V_{CC}=1.4\text{V}$	1.03	-	-	V
			$I_O = -1.9\text{mA}; V_{CC}=1.65\text{V}$	1.30	-	-	V
			$I_O = -2.3\text{mA}; V_{CC}=2.3\text{V}$	1.97	-	-	V
			$I_O = -3.1\text{mA}; V_{CC}=2.3\text{V}$	1.85	-	-	V
			$I_O = -2.7\text{mA}; V_{CC}=3.0\text{V}$	2.67	-	-	V
			$I_O = -4.0\text{mA}; V_{CC}=3.0\text{V}$	2.55	-	-	V
LOW-level output voltage	V_{OL}	$V_I = V_{IH}$ or V_{IL}	$I_O = 20\mu\text{A}; V_{CC}=0.8\text{V}$ to 3.6V	-	-	0.1	V
			$I_O = 1.1\text{mA}; V_{CC}=1.1\text{V}$	-	-	$0.3 \times V_{CC}$	V
			$I_O = 1.7\text{mA}; V_{CC}=1.4\text{V}$	-	-	0.37	V
			$I_O = 1.9\text{mA}; V_{CC}=1.65\text{V}$	-	-	0.35	V
			$I_O = 2.3\text{mA}; V_{CC}=2.3\text{V}$	-	-	0.33	V
			$I_O = 3.1\text{mA}; V_{CC}=2.3\text{V}$	-	-	0.45	V
			$I_O = 2.7\text{mA}; V_{CC}=3.0\text{V}$	-	-	0.33	V
			$I_O = 4.0\text{mA}; V_{CC}=3.0\text{V}$	-	-	0.45	V
input leakage current	I_I	$V_I = \text{GND}$ to $3.6\text{V}; V_{CC}=0\text{V}$ to 3.6V		-	-	± 2	μA
power-off leakage current	I_{OFF}	V_I or $V_O = 0\text{V}$ to $3.6\text{V}; V_{CC}=0\text{V}$		-	-	± 2	μA
additional power-off leakage current	ΔI_{OFF}	V_I or $V_O = 0\text{V}$ to $3.6\text{V}; V_{CC}=0\text{V}$ to 0.2V		-	-	± 2	μA
supply current	I_{CC}	$V_I = \text{GND}$ or $V_{CC}; I_O = 0\text{A}; V_{CC}=0.8\text{V}$ to 3.6V		-	-	2	μA
additional supply current	ΔI_{CC}	$V_I = V_{CC}-0.6\text{V}; I_O = 0\text{A}; V_{CC}=3.3\text{V}$		-	-	50	μA



3.3.3、DC Characteristics 3

($T_{amb} = -40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified.)

Parameter	Symbol	Conditions	Min.	Ty	Max.	Unit
HIGH-level input voltage	V_{IH}	$V_{CC}=0.8\text{V}$	0.75	-	-	V
		$V_{CC}=0.9\text{V}$ to 1.95V	$0.80 \times V_{CC}$	-	-	V
		$V_{CC}=2.3\text{V}$ to 2.7V	1.6	-	-	V
		$V_{CC}=3.0\text{V}$ to 3.6V	2.0	-	-	V
LOW-level input voltage	V_{IL}	$V_{CC}=0.8\text{V}$	-	-	$0.25 \times V_{CC}$	V
		$V_{CC}=0.9\text{V}$ to 1.95V	-	-	$0.30 \times V_{CC}$	V
		$V_{CC}=2.3\text{V}$ to 2.7V	-	-	0.7	V
		$V_{CC}=3.0\text{V}$ to 3.6V	-	-	0.9	V
HIGH-level output voltage	V_{OH}	$V_I = V_{IH}$ or V_{IL}	$I_O = -20\mu\text{A}; V_{CC}=0.8\text{V}$ to 3.6V	$V_{CC}-0.11$	-	V
			$I_O = -1.1\text{mA}; V_{CC}=1.1\text{V}$	$0.60 \times V_{CC}$	-	V
			$I_O = -1.7\text{mA}; V_{CC}=1.4\text{V}$	0.93	-	V
			$I_O = -1.9\text{mA}; V_{CC}=1.65\text{V}$	1.17	-	V
			$I_O = -2.3\text{mA}; V_{CC}=2.3\text{V}$	1.77	-	V
			$I_O = -3.1\text{mA}; V_{CC}=2.3\text{V}$	1.67	-	V
			$I_O = -2.7\text{mA}; V_{CC}=3.0\text{V}$	2.40	-	V
			$I_O = -4.0\text{mA}; V_{CC}=3.0\text{V}$	2.30	-	V
LOW-level output voltage	V_{OL}	$V_I = V_{IH}$ or V_{IL}	$I_O = 20\mu\text{A}; V_{CC}=0.8\text{V}$ to 3.6V	-	0.11	V
			$I_O = 1.1\text{mA}; V_{CC}=1.1\text{V}$	-	$0.33 \times V_{CC}$	V
			$I_O = 1.7\text{mA}; V_{CC}=1.4\text{V}$	-	0.41	V
			$I_O = 1.9\text{mA}; V_{CC}=1.65\text{V}$	-	0.39	V
			$I_O = 2.3\text{mA}; V_{CC}=2.3\text{V}$	-	0.36	V
			$I_O = 3.1\text{mA}; V_{CC}=2.3\text{V}$	-	0.50	V
			$I_O = 2.7\text{mA}; V_{CC}=3.0\text{V}$	-	0.36	V
			$I_O = 4.0\text{mA}; V_{CC}=3.0\text{V}$	-	0.50	V
input leakage current	I_I	$V_I = \text{GND}$ to $3.6\text{V}; V_{CC}=0\text{V}$ to 3.6V	-	-	± 4	μA
power-off leakage current	I_{OFF}	V_I or $V_O = 0\text{V}$ to $3.6\text{V}; V_{CC}=0\text{V}$	-	-	± 4	μA
additional power-off leakage current	ΔI_{OFF}	V_I or $V_O = 0\text{V}$ to $3.6\text{V}; V_{CC}=0\text{V}$ to 0.2V	-	-	± 4	μA
supply current	I_{CC}	$V_I = \text{GND}$ or $V_{CC}; I_O = 0\text{A}; V_{CC}=0.8\text{V}$ to 3.6V	-	-	4	μA
additional supply current	ΔI_{CC}	$V_I = V_{CC}-0.6\text{V}; I_O = 0\text{A}; V_{CC}=3.3\text{V}$	-	-	75	μA



3.3.4、AC Characteristics 1

($T_{amb}=25^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
propagation delay	t _{pd}	nA , nB to nY; see Figure 4	C _L =5pF				
			V _{CC} =0.8V	-	17.0	-	ns
			V _{CC} =1.1V to 1.3V	2.5	5.1	10.8	ns
			V _{CC} =1.4V to 1.6V	1.6	3.7	6.7	ns
			V _{CC} =1.65V to 1.95V	1.3	3.0	5.3	ns
			V _{CC} =2.3V to 2.7V	1.0	2.4	3.9	ns
			V _{CC} =3.0V to 3.6V	1.0	2.2	3.4	ns
			C _L =10pF				
			V _{CC} =0.8V	-	20.4	-	ns
			V _{CC} =1.1V to 1.3V	2.4	6.0	12.8	ns
			V _{CC} =1.4V to 1.6V	1.9	4.3	7.9	ns
			V _{CC} =1.65V to 1.95V	1.6	3.6	6.2	ns
			V _{CC} =2.3V to 2.7V	1.4	3.0	4.7	ns
			V _{CC} =3.0V to 3.6V	1.3	2.7	4.2	ns
			C _L =15pF				
			V _{CC} =0.8V	-	23.9	-	ns
			V _{CC} =1.1V to 1.3V	3.4	6.8	14.6	ns
			V _{CC} =1.4V to 1.6V	2.3	4.8	8.9	ns
			V _{CC} =1.65V to 1.95V	1.9	4.0	7.0	ns
			V _{CC} =2.3V to 2.7V	1.7	3.4	5.4	ns
			V _{CC} =3.0V to 3.6V	1.6	3.2	4.8	ns
			C _L =30pF				
			V _{CC} =0.8V	-	34.2	-	ns
			V _{CC} =1.1V to 1.3V	4.6	9.0	19.9	ns
			V _{CC} =1.4V to 1.6V	3.4	6.4	11.8	ns
			V _{CC} =1.65V to 1.95V	2.6	5.3	9.3	ns
			V _{CC} =2.3V to 2.7V	2.4	4.5	7.1	ns
			V _{CC} =3.0V to 3.6V	2.3	4.2	6.4	ns
power dissipation capacitance	C _{PD}	f=1MHz; V _I =GND to V _{CC}	V _{CC} =0.8V	-	2.6	-	pF
			V _{CC} =1.1V to 1.3V	-	2.7	-	pF
			V _{CC} =1.4V to 1.6V	-	2.8	-	pF
			V _{CC} =1.65V to 1.95V	-	2.9	-	pF
			V _{CC} =2.3V to 2.7V	-	3.3	-	pF
			V _{CC} =3.0V to 3.6V	-	3.8	-	pF



3.3.5、AC Characteristics 2

($T_{amb} = -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit	
propagation delay	t _{pd}	nA , nB to nY see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.1	-	12.1	ns
			V _{CC} =1.4V to 1.6V	1.4	-	7.8	ns
			V _{CC} =1.65V to 1.95V	1.1	-	6.2	ns
			V _{CC} =2.3V to 2.7V	0.9	-	4.6	ns
			V _{CC} =3.0V to 3.6V	0.8	-	4.0	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	2.2	-	14.3	ns
			V _{CC} =1.4V to 1.6V	1.7	-	9.2	ns
			V _{CC} =1.65V to 1.95V	1.5	-	7.3	ns
			V _{CC} =2.3V to 2.7V	1.2	-	5.6	ns
			V _{CC} =3.0V to 3.6V	1.2	-	5.0	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	3.1	-	16.4	ns
			V _{CC} =1.4V to 1.6V	2.0	-	10.4	ns
			V _{CC} =1.65V to 1.95V	1.7	-	8.3	ns
			V _{CC} =2.3V to 2.7V	1.5	-	6.3	ns
			V _{CC} =3.0V to 3.6V	1.4	-	5.7	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	4.1	-	22.4	ns
			V _{CC} =1.4V to 1.6V	2.9	-	13.9	ns
			V _{CC} =1.65V to 1.95V	2.3	-	11.1	ns
			V _{CC} =2.3V to 2.7V	2.1	-	8.5	ns
			V _{CC} =3.0V to 3.6V	2.1	-	7.7	ns



3.3.6、AC Characteristics 3

($T_{amb} = -40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit	
propagation delay	t _{pd}	nA , nB to nY see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.1	-	13.4	ns
			V _{CC} =1.4V to 1.6V	1.4	-	8.6	ns
			V _{CC} =1.65V to 1.95V	1.1	-	6.9	ns
			V _{CC} =2.3V to 2.7V	0.9	-	5.1	ns
			V _{CC} =3.0V to 3.6V	0.8	-	4.4	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	2.2	-	15.8	ns
			V _{CC} =1.4V to 1.6V	1.7	-	10.2	ns
			V _{CC} =1.65V to 1.95V	1.5	-	8.1	ns
			V _{CC} =2.3V to 2.7V	1.2	-	6.2	ns
			V _{CC} =3.0V to 3.6V	1.2	-	5.5	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	3.1	-	18.1	ns
			V _{CC} =1.4V to 1.6V	2.0	-	11.5	ns
			V _{CC} =1.65V to 1.95V	1.7	-	9.2	ns
			V _{CC} =2.3V to 2.7V	1.5	-	7.0	ns
			V _{CC} =3.0V to 3.6V	1.4	-	6.3	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	4.1	-	24.7	ns
			V _{CC} =1.4V to 1.6V	2.9	-	15.3	ns
			V _{CC} =1.65V to 1.95V	2.3	-	12.3	ns
			V _{CC} =2.3V to 2.7V	2.1	-	9.4	ns
			V _{CC} =3.0V to 3.6V	2.1	-	8.5	ns



4、Testing Circuit

4.1、AC Testing Circuit

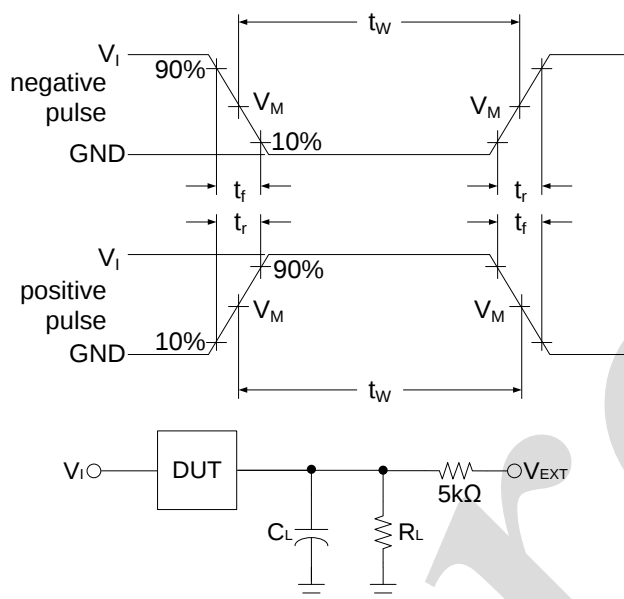


Figure 3. Test circuit for measuring switching times

C_L includes probe and jig capacitance.

R_L =Load resistance.

4.2、AC Testing Waveforms

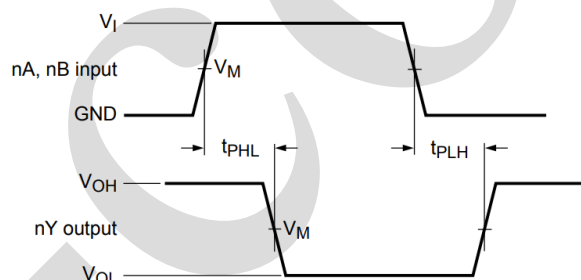


Figure 4. The data input (nA, nB) to output (nY) propagation delays

4.3、Measurement Points

Supply voltage	Output	Input		
V_{CC}	V_M	V_M	V_I	$t_r=t_f$
0.8V to 3.6V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	V_{CC}	$\leq 3.0\text{ns}$

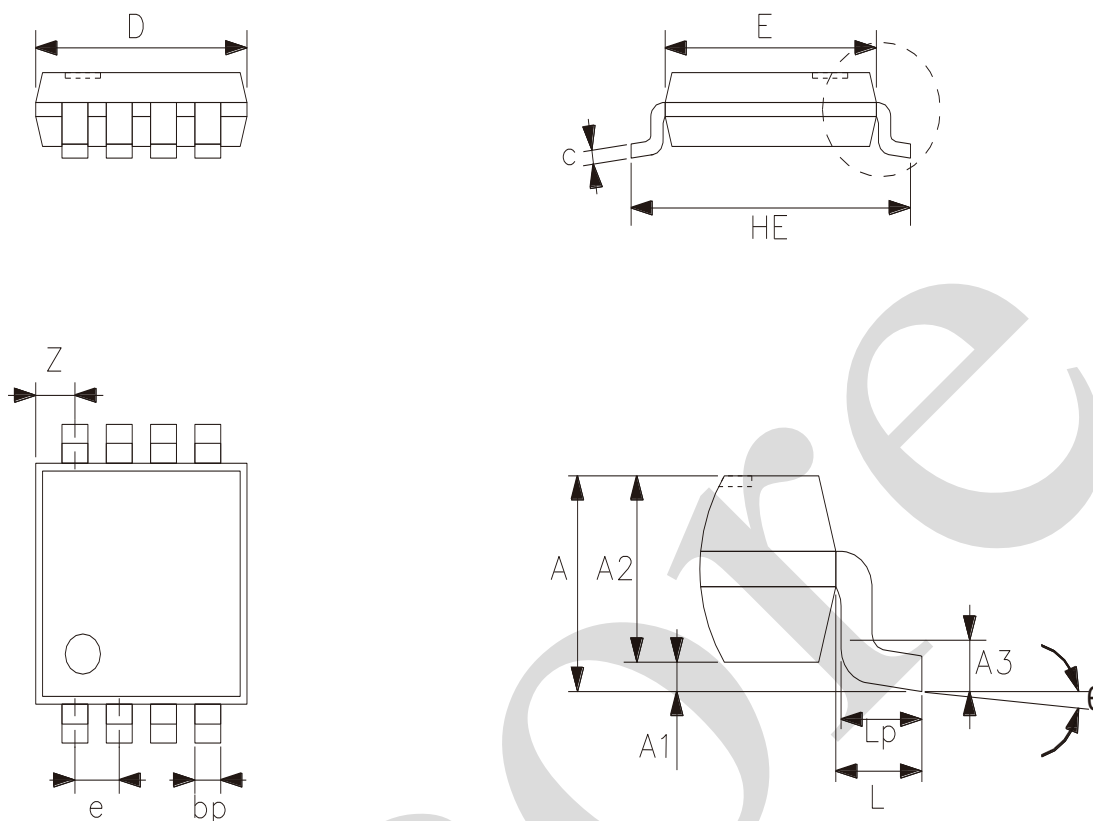
4.4、Test Data

Supply voltage	Load		V_{EXT}		
V_{CC}	C_L	R_L	t_{PLH}, t_{PHL}	t_{PZH}, t_{PHZ}	t_{PZL}, t_{PLZ}
0.8V to 3.6V	5pF, 10pF, 15pF and 30pF	5kΩ or 1MΩ	open	GND	$2 \times V_{CC}$



5、Package Information

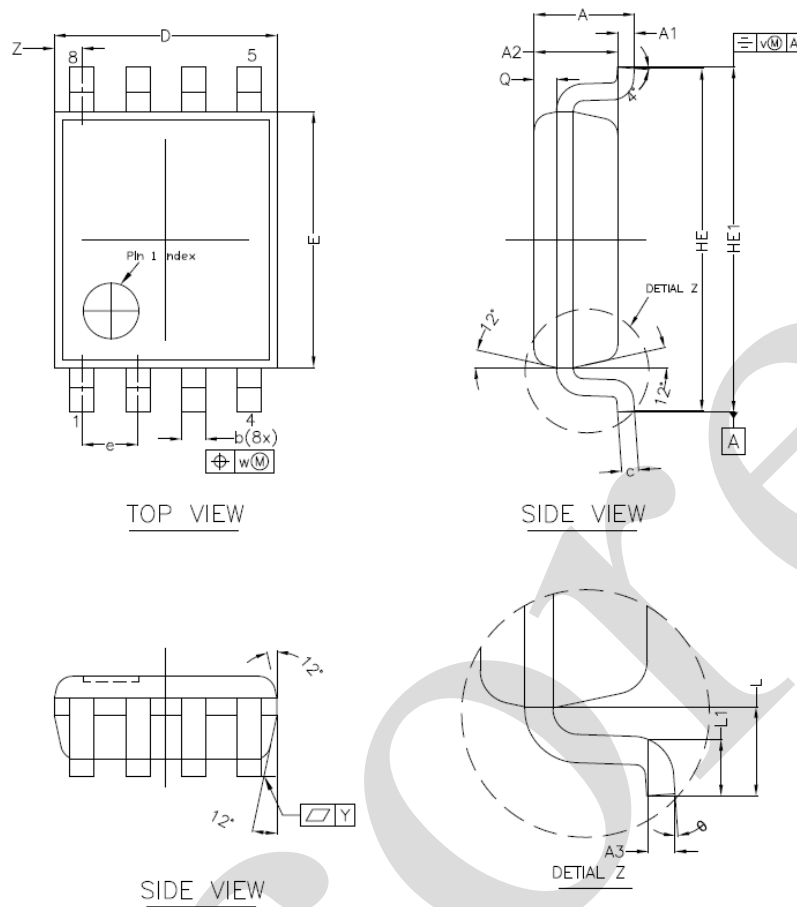
5.1、TSSOP8



2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	—	1.10
A1	0	0.15
A2	0.75	0.95
A3	0.25	
bp	0.22	0.38
c	0.08	0.18
D	2.90	3.10
E	2.90	3.10
HE	3.90	4.10
L	0.50	
Lp	0.33	0.47
e	0.65	
Z	0.35	0.70
θ	0°	8°



5.2、VSSOP8

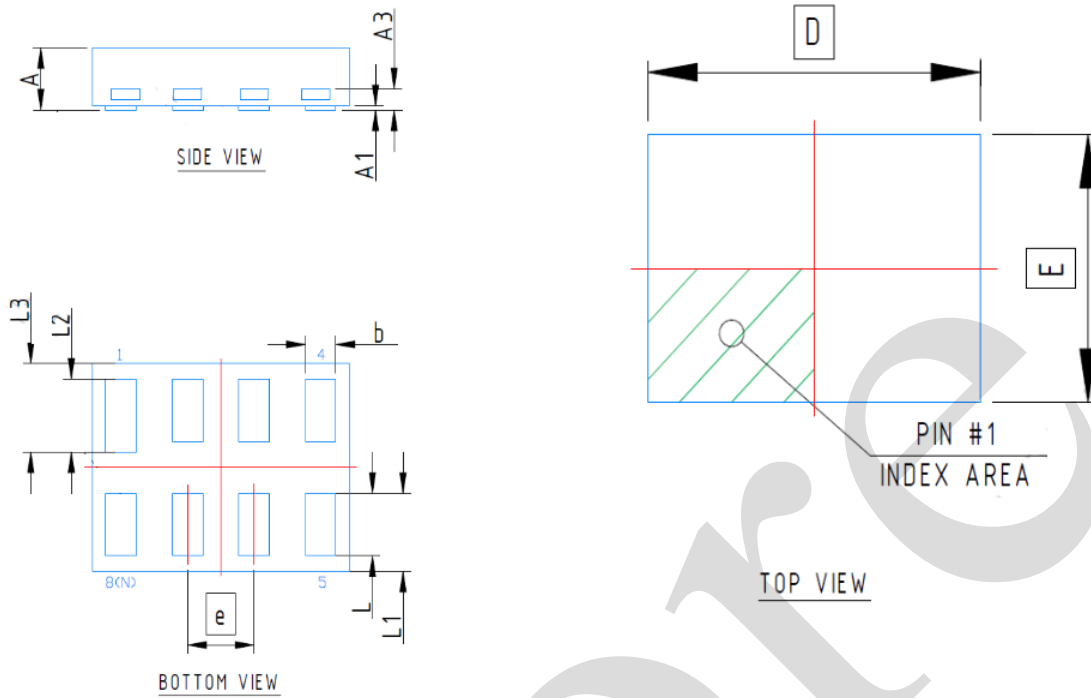


NOTES
1.0 COP
DIE ATTA
2.0 D E

2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	—	1.00
A1	0.00	0.15
A2	0.60	0.85
A3	0.12	
Q	0.19	0.21
b	0.17	0.27
c	0.08	0.23
D	1.90	2.10
E	2.20	2.40
HE	3.00	3.20
HE1	3.00	3.40
e	0.50	
L	0.40	
L1	0.15	0.40
Y	0.10	
Z	0.10	0.40
θ	0°	8°



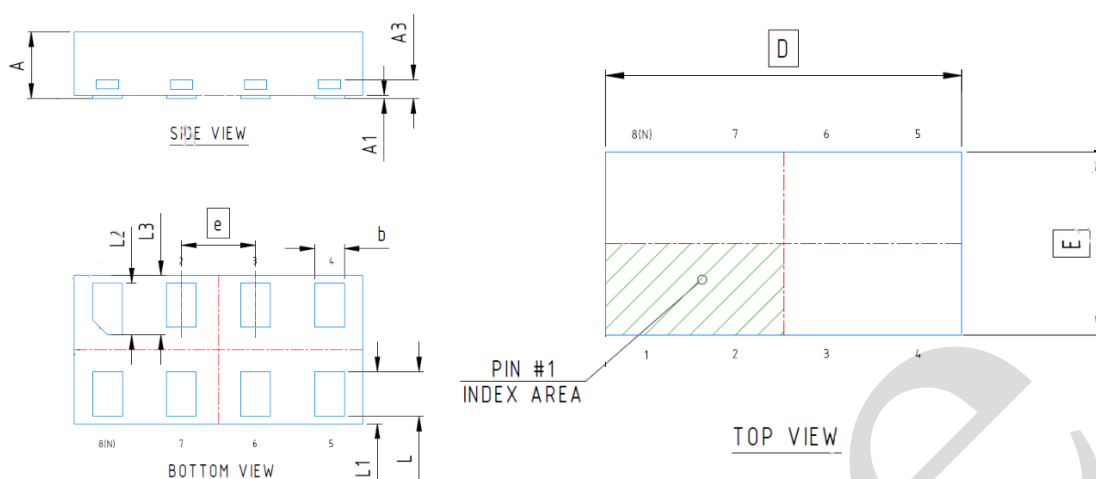
5.3、XSON8-1.35*1-0.35



2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	0.28	0.32
A1	0.00	0.05
A3	0.10	
b	0.11	0.21
D	1.35	
E	1.00	
e	0.35	
L	0.25	0.35
L1	0.275	0.475
L2	0.30	0.40
L3	0.325	0.525



5.3、XSON8-1.95*1-0.5



2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	0.45	0.55
A1	0	0.05
A3	0.127	
b	0.15	0.25
D	1.95	
E	1.00	
e	0.50	
L	0.25	0.35
L1	0.25	0.45
L2	0.30	0.40
L3	0.30	0.50



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、Notes

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