



AiP74AUP2G09

Low Power Dual 2-Input And Gate (Open-Drain)

Product Specification

Specification Revision History:

Version	Date	Description
2025-09-A0	2025-09	New
2025-11-A1	2025-11	Modify the parameters



Contents

1、General Description.....	1
2、Block Diagram And Pin Description	2
2.1、Block Diagram	2
2.2、Pin Configurations.....	2
2.3、Pin Description.....	3
2.4、Function Table.....	3
3、Electrical Parameter	3
3.1、Absolute Maximum Ratings.....	3
3.2、Recommended Operating Conditions.....	4
3.3、Electrical Characteristics.....	4
3.3.1、DC Characteristics 1	4
3.3.2、DC Characteristics 2.....	5
3.3.3、DC Characteristics 3.....	6
3.3.4、AC Characteristics 1.....	7
3.3.5、AC Characteristics 2.....	8
3.3.6、AC Characteristics 3.....	9
4、Testing Circuit	10
4.1、AC Testing Circuit	10
4.2、AC Testing Waveforms.....	10
4.3、Measurement Points	10
4.4、Test Data	10
5、Package Information	11
5.1、TSSOP8.....	11
5.2、VSSOP8	12
5.3、XSON8-1.35*1-0.35	13
5.4、XSON8-1.95*1-0.5	14
6、Statements And Notes	15
6.1、The name and content of Hazardous substances or Elements in the product.....	15
6.2、Notes	15



1、General Description

The AiP74AUP2G09 provides a dual 2-input AND gate with an open-drain output.

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
AiP74AUP2G09 TA8.TR	TSSOP8	AiPJY 2G09	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 3.0mm×3.0mm Pin spacing: 0.65mm
AiP74AUP2G09 YA8.TR	VSSOP8	AiP JYXX	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 2.0mm×2.3mm Pin spacing: 0.50mm
AiP74AUP2G09 EB8.TR	XSON8	JY XX	5000 PCS/reel	25000 PCS/box	Dimensions of plastic enclosure: 1.35mm×1.0mm Pin spacing: 0.35mm
AiP74AUP2G09 EC8.TR	XSON8	JY 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

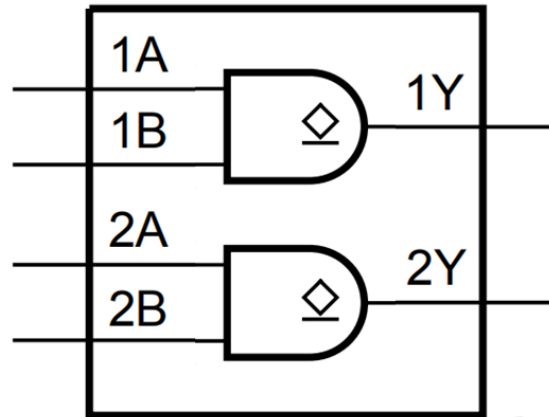


Figure 1. Logic symbol

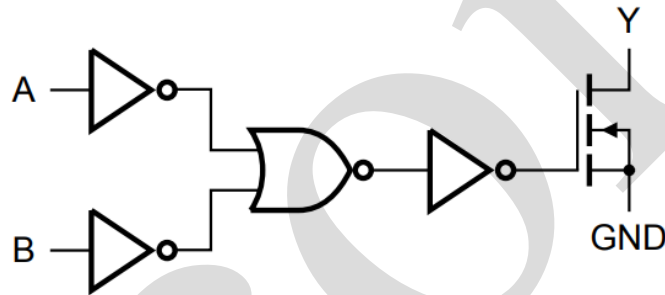
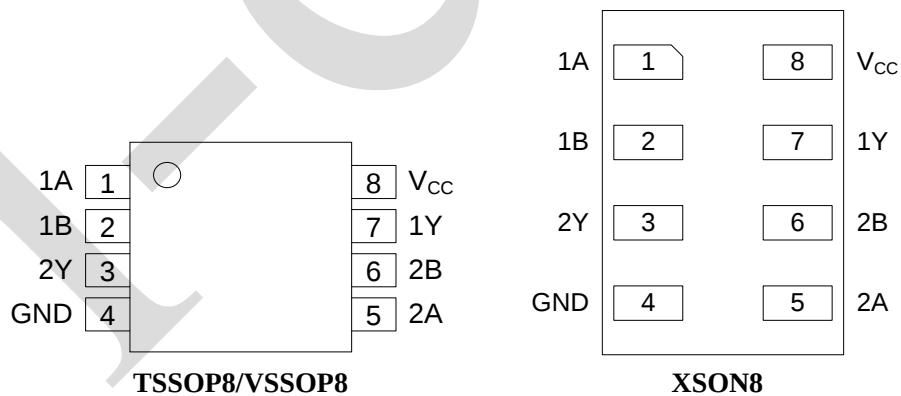


Figure 2. Logic diagram (one gate)

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	L
L	H	L
H	L	L
H	H	Z

Note: H=HIGH voltage level; L=LOW voltage level; Z = HIGH-impedance OFF state.

3、Electrical Parameter

3.1、Absolute Maximum Ratings

(T_{amb}=25℃, 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	℃
total power dissipation	P _{tot}	-	-	250	mW
soldering temperature	T _L	10s	260		℃
Electrostatic discharge	ESD	HBM	8000		V



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	°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

($T_{amb}=25^{\circ}C$, 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 $1.95V$		$0.75 \times V_{CC}$	-	-	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}	$V_{CC}=0.8V$		-	-	$0.30 \times V_{CC}$	V
		$V_{CC}=0.9V$ to $1.95V$		-	-	$0.35 \times V_{CC}$	V
		$V_{CC}=2.3V$ to $2.7V$		-	-	0.7	V
		$V_{CC}=3.0V$ to $3.6V$		-	-	0.9	V
Low-level output voltage	V_{OL}	$V_I=V_{IH}$ or V_{IL}	$I_O=20\mu A$; $V_{CC}=0.8V$ to $3.6V$	-	-	0.1	V
			$I_O=1.1mA$; $V_{CC}=1.1V$	-	-	$0.3 \times V_{CC}$	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	μA
OFF-state output current	I_{OZ}	$V_I=V_{IH}$ or V_{IL} ; $V_O=0V$ to $3.6V$ $V_{CC}=3.6V$		-	-	± 1	μA
power-off leakage current	I_{OFF}	V_I or $V_O=0V$ to $3.6V$; $V_{CC}=0V$		-	-	± 1	μA
additional power-off leakage current	ΔI_{OFF}	V_I or $V_O=0V$ to $3.6V$; $V_{CC}=0V$ to $0.2V$		-	-	± 1	μA
supply current	I_{CC}	$V_I=GND$ or V_{CC} ; $I_O=0A$; $V_{CC}=0.8V$ to $3.6V$		-	-	1	μA
additional supply current	ΔI_{CC}	$V_I=V_{CC}-0.6V$; $I_O=0A$; $V_{CC}=3.3V$		-	-	40	μA
input capacitance	C_I	$V_{CC}=0V$ to $3.6V$; $V_I=GND$ or V_{CC}		-	0.8	-	pF



output capacitance	C_O	output enabled; $V_O=GND$; $V_{CC}=0V$	-	1.7	-	pF
		output disabled; $V_O = GND$; $V_{CC} = 0V$	-	1.1	-	pF

3.3.2、DC Characteristics 2

($T_{amb}=-40^{\circ}C$ to $+85^{\circ}C$, 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 $1.95V$		$0.75 \times V_{CC}$	-	-	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}	$V_{CC}=0.8V$		-	-	$0.30 \times V_{CC}$	V
		$V_{CC}=0.9V$ to $1.95V$		-	-	$0.35 \times V_{CC}$	V
		$V_{CC}=2.3V$ to $2.7V$		-	-	0.7	V
		$V_{CC}=3.0V$ to $3.6V$		-	-	0.9	V
LOW-level output voltage	V_{OL}	$V_I=V_{IH}$ or V_{IL}	$I_O=20\mu A$; $V_{CC}=0.8V$ to $3.6V$	-	-	0.1	V
			$I_O=1.1mA$; $V_{CC}=1.1V$	-	-	$0.3 \times V_{CC}$	V
			$I_O=1.7mA$; $V_{CC}=1.4V$	-	-	0.37	V
			$I_O=1.9mA$; $V_{CC}=1.65V$	-	-	0.35	V
			$I_O=2.3mA$; $V_{CC}=2.3V$	-	-	0.33	V
			$I_O=3.1mA$; $V_{CC}=2.3V$	-	-	0.45	V
			$I_O=2.7mA$; $V_{CC}=3.0V$	-	-	0.33	V
			$I_O=4.0mA$; $V_{CC}=3.0V$	-	-	0.45	V
input leakage current	I_I	$V_I=GND$ to $3.6V$; $V_{CC}=0V$ to $3.6V$		-	-	± 2	μA
OFF-state output current	I_{OZ}	$V_I=V_{IH}$ or V_{IL} ; $V_O=0V$ to $3.6V$ $V_{CC}=3.6V$		-	-	± 2	μA
power-off leakage current	I_{OFF}	V_I or $V_O=0V$ to $3.6V$; $V_{CC}=0V$		-	-	± 2	μA
additional power-off leakage current	ΔI_{OFF}	V_I or $V_O=0V$ to $3.6V$; $V_{CC}=0V$ to $0.2V$		-	-	± 2	μA
supply current	I_{CC}	$V_I=GND$ or V_{CC} ; $I_O=0A$; $V_{CC}=0.8V$ to $3.6V$		-	-	2	μA
additional supply current	ΔI_{CC}	$V_I=V_{CC}-0.6V$; $I_O=0A$; $V_{CC}=3.3V$		-	-	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
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
OFF-state output current	I_{OZ}	$V_I = V_{IH}$ or $V_{IL}; V_O=0\text{V}$ to $3.6\text{V}; V_{CC}=3.6\text{V}$		-	-	± 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 or nB to nY; see Figure 4	C _L =5pF				
			V _{CC} =0.8V	-	13.5	-	ns
			V _{CC} =1.1V to 1.3V	1.9	4.6	10.4	ns
			V _{CC} =1.4V to 1.6V	1.5	3.3	6.5	ns
			V _{CC} =1.65V to 1.95V	1.2	2.9	5.1	ns
			V _{CC} =2.3V to 2.7V	1.0	2.2	3.8	ns
			V _{CC} =3.0V to 3.6V	0.9	2.3	4	ns
			C _L =10pF				
			V _{CC} =0.8V	-	16.3	-	ns
			V _{CC} =1.1V to 1.3V	2.3	5.6	12.3	ns
			V _{CC} =1.4V to 1.6V	1.8	4.1	7.6	ns
			V _{CC} =1.65V to 1.95V	1.6	3.8	6.1	ns
			V _{CC} =2.3V to 2.7V	1.4	2.9	4.6	ns
			V _{CC} =3.0V to 3.6V	1.3	3.2	5.7	ns
			C _L =15pF				
			V _{CC} =0.8V	-	19.0	-	ns
			V _{CC} =1.1V to 1.3V	2.6	6.6	14.2	ns
			V _{CC} =1.4V to 1.6V	2.1	4.8	8.7	ns
			V _{CC} =1.65V to 1.95V	1.9	4.6	7.6	ns
			V _{CC} =2.3V to 2.7V	1.6	3.6	5.6	ns
			V _{CC} =3.0V to 3.6V	1.6	4.1	7.5	ns
			C _L =30pF				
			V _{CC} =0.8V	-	27.0	-	ns
			V _{CC} =1.1V to 1.3V	3.6	9.5	19.5	ns
			V _{CC} =1.4V to 1.6V	2.9	7.0	11.5	ns
			V _{CC} =1.65V to 1.95V	2.6	7.0	12.1	ns
			V _{CC} =2.3V to 2.7V	2.4	5.4	8.9	ns
			V _{CC} =3.0V to 3.6V	2.3	6.5	12.7	ns
power dissipation capacitance	C _{PD}	f=1MHz; V _I =GND to V _{CC}	V _{CC} =0.8V	-	0.6	-	pF
			V _{CC} =1.1V to 1.3V	-	0.7	-	pF
			V _{CC} =1.4V to 1.6V	-	0.8	-	pF
			V _{CC} =1.65V to 1.95V	-	0.9	-	pF
			V _{CC} =2.3V to 2.7V	-	1.1	-	pF
			V _{CC} =3.0V to 3.6V	-	1.4	-	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 or nB to nY; see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	1.8	-	11.4	ns
			V _{CC} =1.4V to 1.6V	1.4	-	7.4	ns
			V _{CC} =1.65V to 1.95V	1.1	-	5.9	ns
			V _{CC} =2.3V to 2.7V	0.9	-	4.5	ns
			V _{CC} =3.0V to 3.6V	0.8	-	4.5	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	2.1	-	13.7	ns
			V _{CC} =1.4V to 1.6V	1.7	-	8.8	ns
			V _{CC} =1.65V to 1.95V	1.4	-	7.1	ns
			V _{CC} =2.3V to 2.7V	1.2	-	5.4	ns
			V _{CC} =3.0V to 3.6V	1.1	-	6.4	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	2.4	-	15.8	ns
			V _{CC} =1.4V to 1.6V	1.9	-	10.1	ns
			V _{CC} =1.65V to 1.95V	1.7	-	8.5	ns
			V _{CC} =2.3V to 2.7V	1.5	-	6.3	ns
			V _{CC} =3.0V to 3.6V	1.4	-	8.3	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	3.2	-	21.8	ns
			V _{CC} =1.4V to 1.6V	2.6	-	13.6	ns
			V _{CC} =1.65V to 1.95V	2.3	-	13.3	ns
			V _{CC} =2.3V to 2.7V	2.1	-	9.9	ns
			V _{CC} =3.0V to 3.6V	2.1	-	13.9	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 or nB to nY; see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	1.8	-	12.6	ns
			V _{CC} =1.4V to 1.6V	1.4	-	8.2	ns
			V _{CC} =1.65V to 1.95V	1.1	-	6.5	ns
			V _{CC} =2.3V to 2.7V	0.9	-	4.9	ns
			V _{CC} =3.0V to 3.6V	0.8	-	4.9	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	2.1	-	15.1	ns
			V _{CC} =1.4V to 1.6V	1.7	-	9.7	ns
			V _{CC} =1.65V to 1.95V	1.4	-	7.8	ns
			V _{CC} =2.3V to 2.7V	1.2	-	5.9	ns
			V _{CC} =3.0V to 3.6V	1.1	-	7.0	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	2.4	-	17.4	ns
			V _{CC} =1.4V to 1.6V	1.9	-	11.1	ns
			V _{CC} =1.65V to 1.95V	1.7	-	9.3	ns
			V _{CC} =2.3V to 2.7V	1.5	-	6.9	ns
			V _{CC} =3.0V to 3.6V	1.4	-	9.1	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	3.2	-	24.0	ns
			V _{CC} =1.4V to 1.6V	2.6	-	15.0	ns
			V _{CC} =1.65V to 1.95V	2.3	-	14.6	ns
			V _{CC} =2.3V to 2.7V	2.1	-	10.9	ns
			V _{CC} =3.0V to 3.6V	2.1	-	15.3	ns



4、Testing Circuit

4.1、AC Testing Circuit

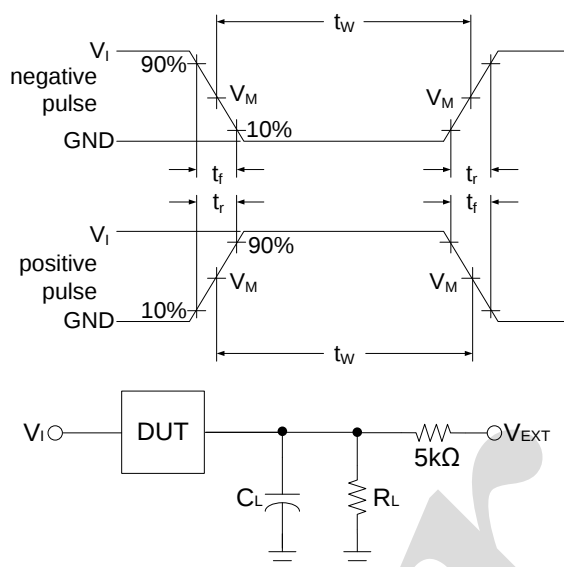


Figure 3. Test circuit for measuring switching times

C_L includes probe and jig capacitance.

R_L =Load resistance.

4.2、AC Testing Waveforms

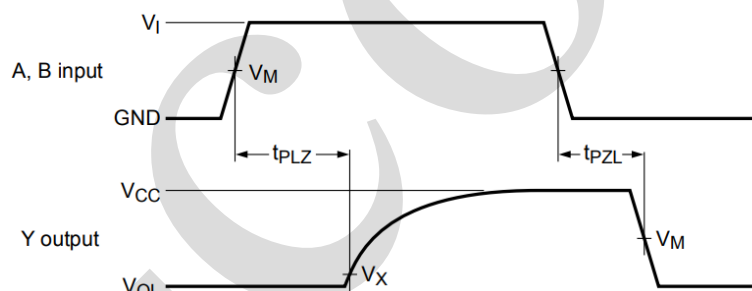


Figure 4. The data input (nA or nB) to output (Y) propagation delays

4.3、Measurement Points

Supply voltage	Input	Output	
V_{CC}	V_M	V_M	V_X
0.8V to 1.6V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.1 \text{ V}$
1.65V to 2.7V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.15 \text{ V}$
3.0V to 3.6V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.3 \text{ V}$

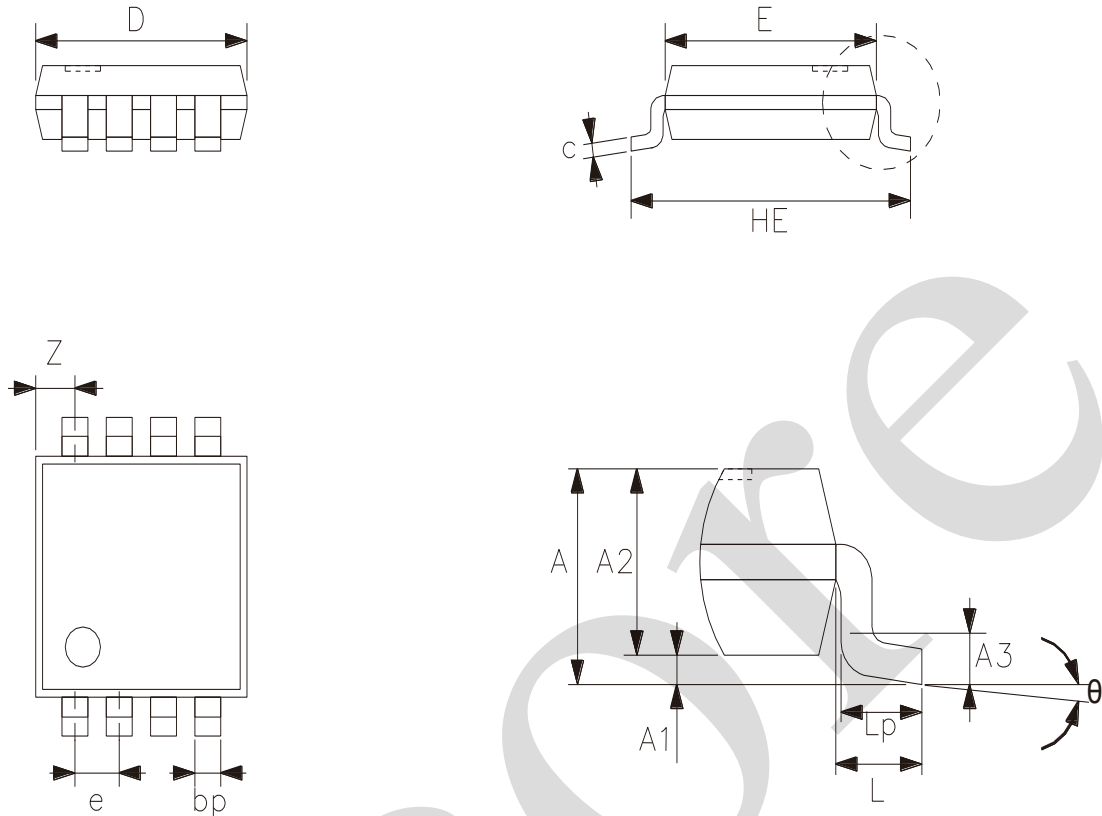
4.4、Test Data

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

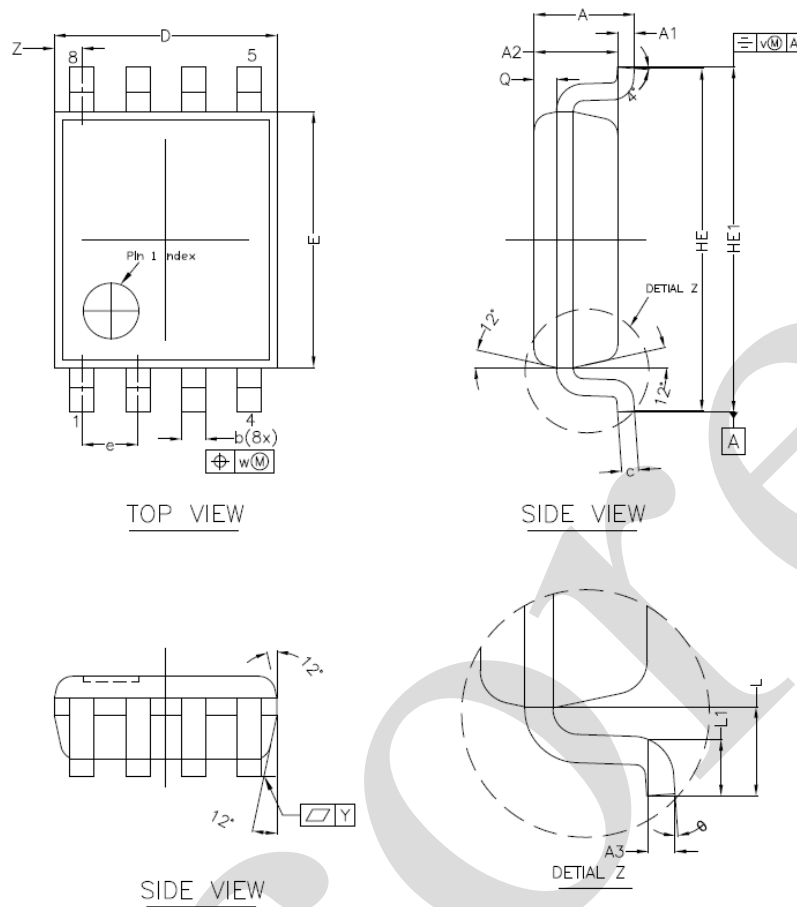
5.1、TSSOP8



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

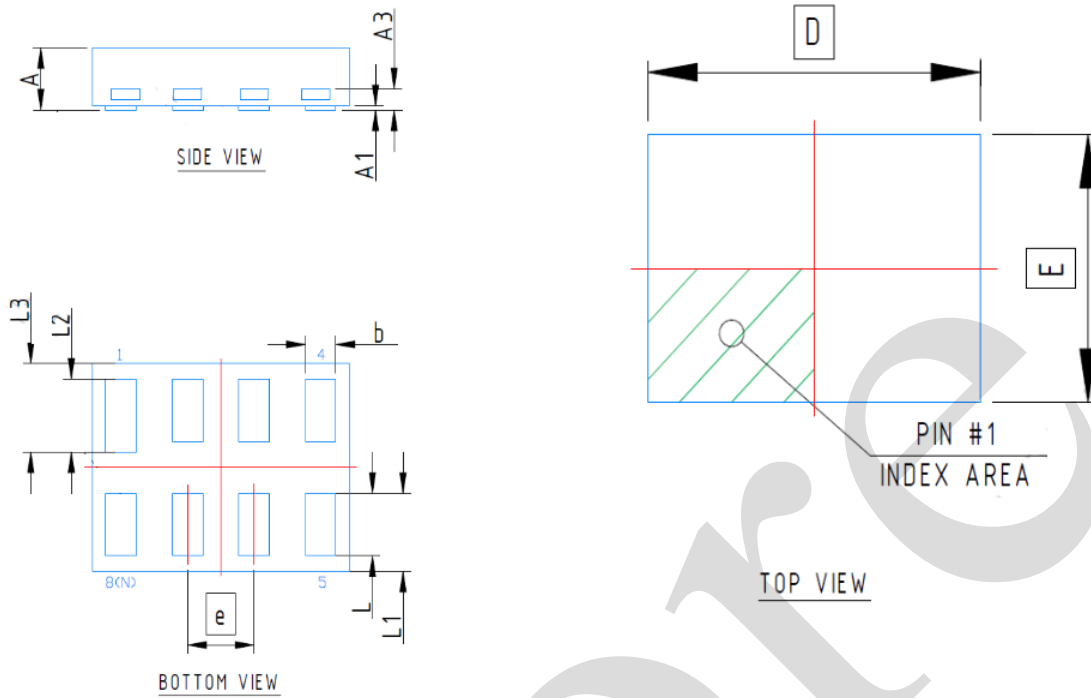


NOTES
1.0 COP
DIE ATTA
2.0 D E

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°



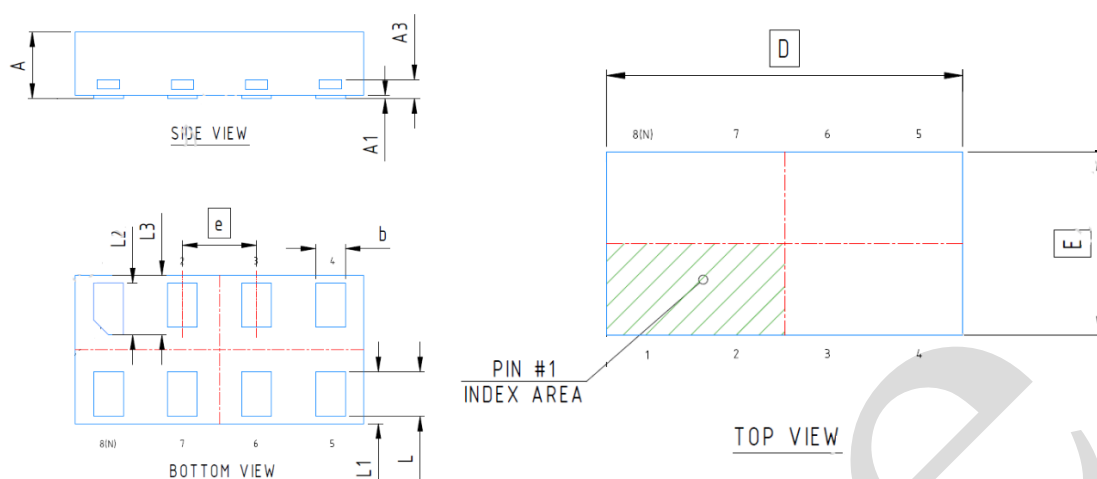
5.3、XSON8-1.35*1-0.35



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



5.4、XSON8-1.95*1-0.5



2023/12/A	Dimensions In Millimeters	
	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

We recommend you to read this chapter carefully before using this product.

The information in this chapter is provided for reference only and i-Core disclaims any express or implied warranties, including but not limited to applicability, special application or non-infringement of third party rights.

This product is not suitable for critical equipment such as life-saving, life-sustaining or safety equipment. It is also not suitable for applications that may result in personal injury, death, or serious property or environmental damage due to product malfunction or failure. I-Core will not be liable for any damages incurred by the customers at their own risk for such applications.

The customer is responsible for conducting all necessary tests i-Core's application to avoid failure in the application or the application of the customer's third party users. I-Core does not accept any liability.

The Company reserves the right to change or improve the information published in this chapter at any time. The information in this chapter are subject to change without notice. We recommend the customer to consult our sales staff before purchasing.

Please obtain related materials from i-Core's regular channels and we are not responsible for its content if it is provided by sources other than our company.

In case of any conflict between the Chinese and English version, the version is subject to the Chinese one.