

2.5V/3.3V 16-bit bus transceiver/register

查询"74ALVT162344DGG-T"供应商

74ALVT16652**FEATURES**

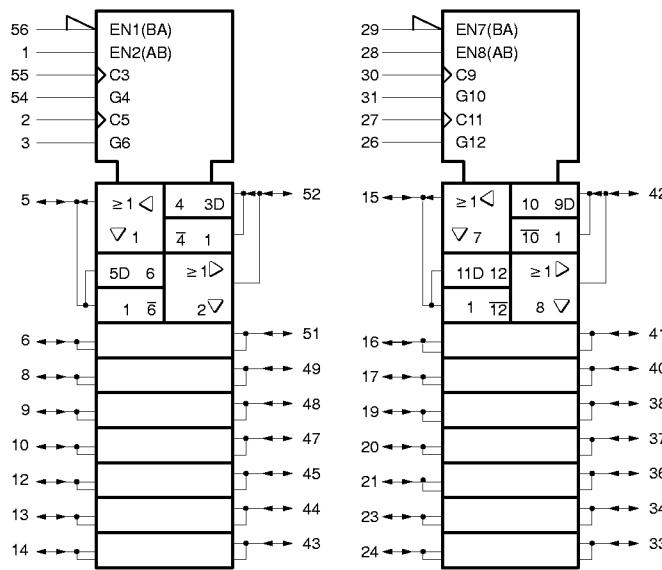
- 16-bit bus interface
- 5V I/O Compatible
- 3-State buffers
- Output capability: +64mA/-32mA
- TTL input and output switching levels
- Input and output interface capability to systems at 5V supply
- Bus-hold data inputs eliminate the need for external pull-up resistors to hold unused inputs
- Live insertion/extraction permitted
- Power-up reset
- Power-up 3-State
- No bus current loading when output is tied to 5V bus
- Latch-up protection exceeds 500mA per JEDEC JC40.2 Std 17
- ESD protection exceeds 2000V per MIL STD 883 Method 3015 and 200V per Machine Model

QUICK REFERENCE DATA

SYMBOL	PARAMETER	CONDITIONS $T_{amb} = 25^\circ\text{C}$	TYPICAL		UNIT
			2.5V	3.3V	
t_{PLH}	Propagation delay nAx to nBx or nBx to nAx	$C_L = 50\text{pF}$	2.0	1.5	ns
			2.1	1.6	
C_{IN}	Input capacitance DIR, OE	$V_I = 0\text{V} \text{ or } V_{CC}$	3	3	pF
$C_{I/O}$	I/O pin capacitance	$V_{I/O} = 0\text{V} \text{ or } V_{CC}$	9	9	pF
I_{CCZ}	Total supply current	Outputs disabled	40	70	μA

ORDERING INFORMATION

PACKAGES	TEMPERATURE RANGE	OUTSIDE NORTH AMERICA	NORTH AMERICA	DWG NUMBER
56-Pin Plastic SSOP Type III	-40°C to +85°C	74ALVT16652 DL	AV16652 DL	SOT371-1
56-Pin Plastic TSSOP Type II	-40°C to +85°C	74ALVT16652 DGG	AV16652 DGG	SOT364-1

LOGIC SYMBOL (IEEE/IEC)

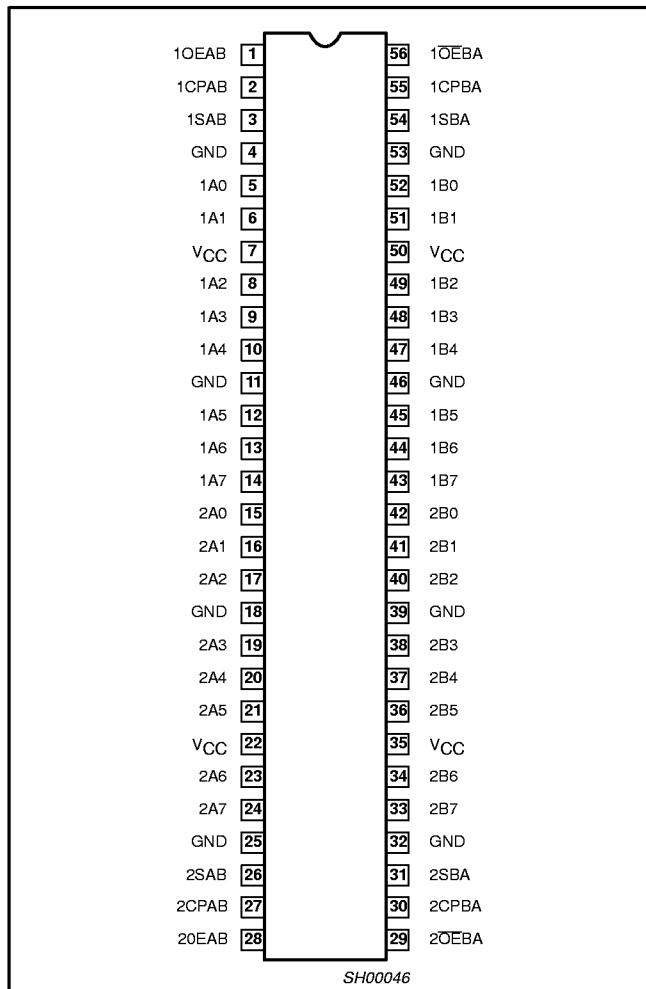
SW00158

2.5V/3.3V 16-bit bus transceiver/register

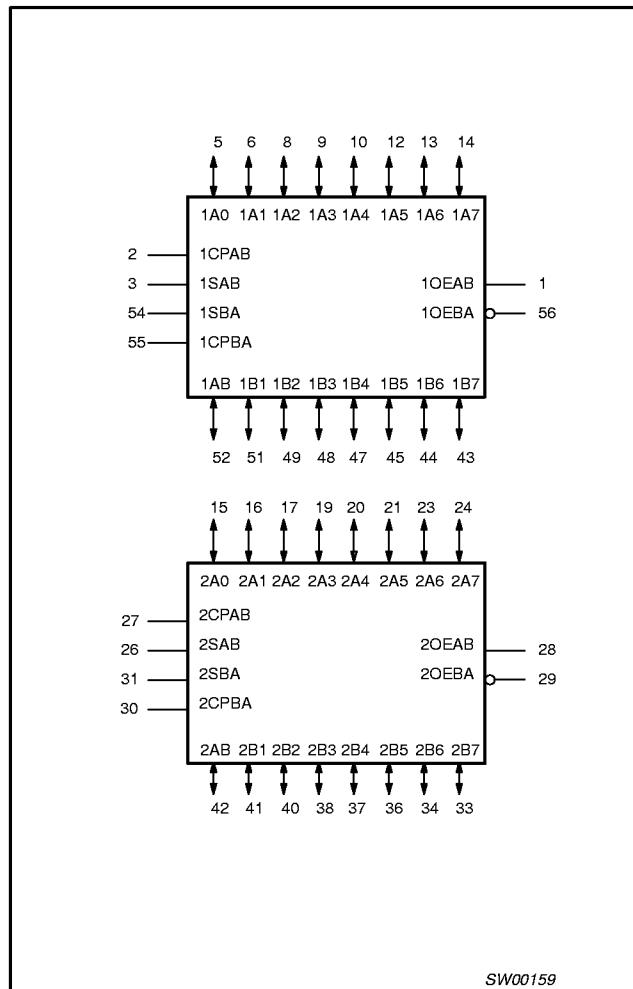
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74ALVT16652

PIN CONFIGURATION



LOGIC SYMBOL



PIN DESCRIPTION

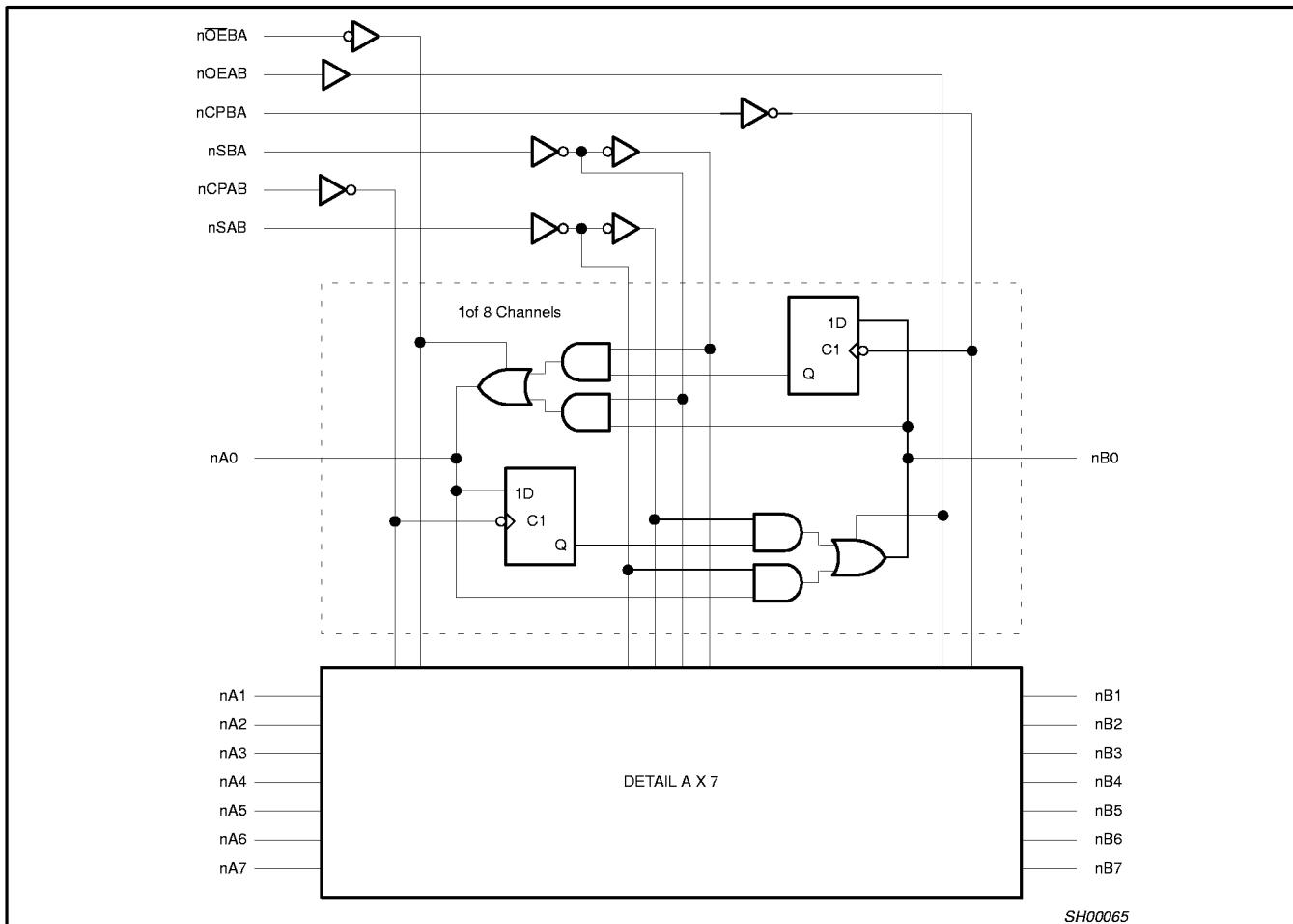
PIN NUMBER	SYMBOL	NAME AND FUNCTION
2, 55, 27, 30	1CPAB, 1CPBA, 2CPAB, 2CPBA	Clock input A to B / Clock input B to A
3, 54, 26, 31	1SAB, 1SBA, 2SAB, 2SBA	Select input A to B / Select input B to A
5, 6, 8, 9, 10, 12, 13, 14 15, 16, 17, 19, 20, 21, 23, 24	1A0 – 1A7, 2A0 – 2A7	Data inputs/outputs (A side)
52, 51, 49, 48, 47, 45, 44, 43 42, 41, 40, 38, 37, 36, 34, 33	1B0 – 1B7, 2B0 – 2B7	Data inputs/outputs (B side)
1, 56, 28, 29	1OEAB, 1OEBA, 2OEAB, 2OEBA	Output enable inputs
4, 11, 18, 25, 32, 39, 46, 53	GND	Ground (0V)
7, 22, 35, 50	V _{CC}	Positive supply voltage

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LOGIC DIAGRAM



FUNCTION TABLE

INPUTS						DATA I/O		OPERATING MODE
nOEAB	nOEBA	nCPAB	nCPBA	nSAB	nSBA	nAx	nBx	
L L	H H	H or L ↑	H or L ↑	X X	X X	Input	Input	Isolation Store A and B data
X H	H H	↑	H or L ↑	X **	X X	Input	Unspecified output*	Store A, Hold B Store A in both registers
L L	X L	H or L ↑	↑	X X	X **	Unspecified output*	Input	Hold A, Store B Store B in both registers
L L	L L	X X	X H or L	X X	L H	Output	Input	Real time B data to A bus Stored B data to A bus
H H	H H	X H or L	X X	L H	X X	Input	Output	Real time A data to B bus Store A data to B bus
H	L	H or L	H or L	H	H	Output	Output	Stored A data to B bus Stored B data to A bus

H = High voltage level

L = Low voltage level

X = Don't care

↑ = Low-to-High clock transition

* The data output function may be enabled or disabled by various signals at the nOEBA and nOEAB inputs. Data input functions are always enabled, i.e., data at the bus pins will be stored on every Low-to-High transition of the clock.

** If both Select controls (nSAB and nSBA) are Low, then clocks can occur simultaneously. If either Select control is High, the clocks must be staggered in order to load both registers.

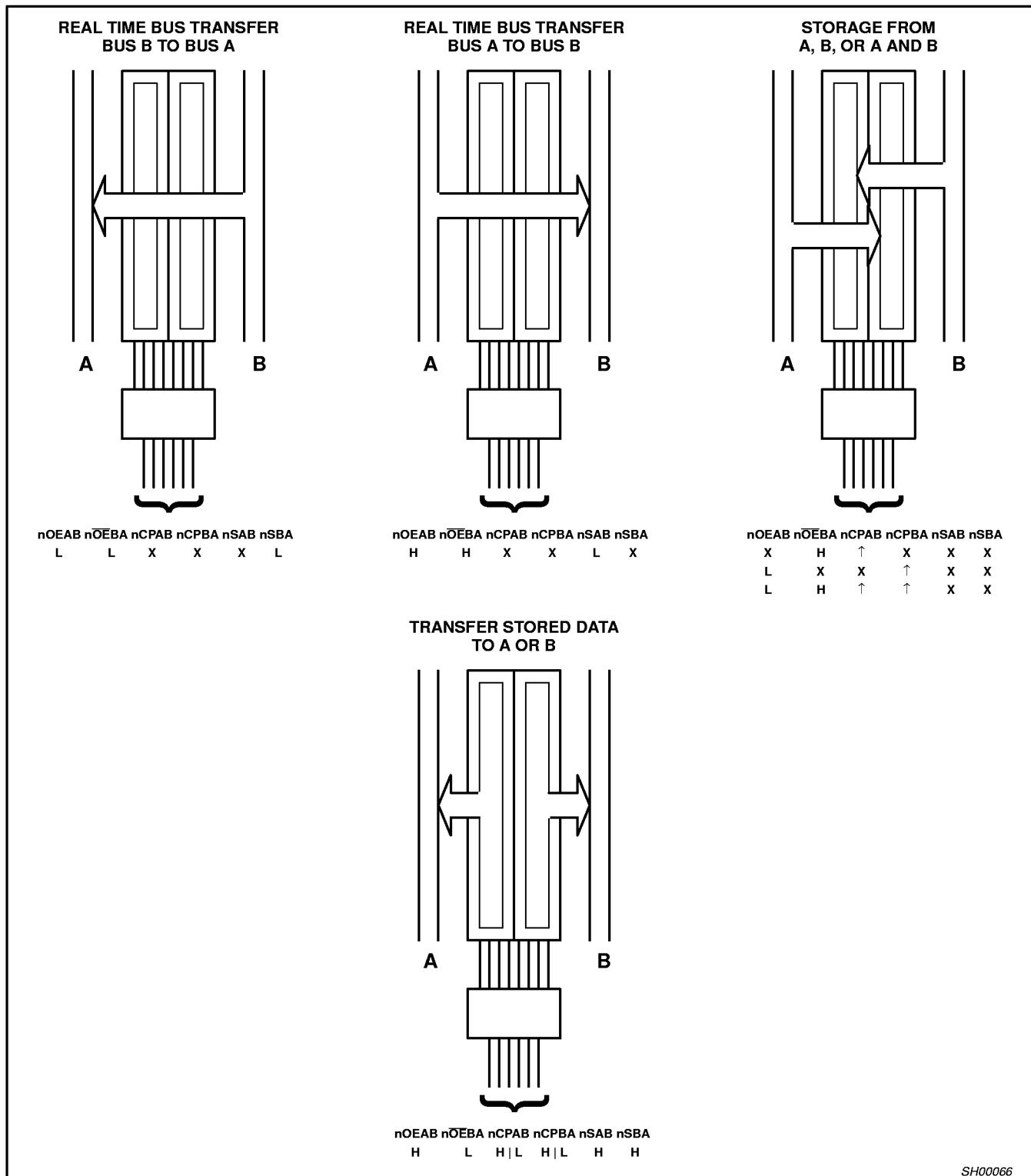
2.5V/3.3V 16-bit bus transceiver/register

(3-State)

74ALVT16652

The following examples demonstrate the four fundamental bus-management functions that can be performed with the 74ALVT16652. The select pins determine whether data is stored or

transferred through the device in real time. The output enable pins determine the direction of the data flow.



SH00066

2.5V/3.3V 16-bit bus transceiver/register

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ABSOLUTE MAXIMUM RATINGS^{1, 2}

SYMBOL	PARAMETER	CONDITIONS	RATING	UNIT
V _{CC}	DC supply voltage		-0.5 to +4.6	V
I _{IK}	DC input diode current	V _I < 0	-50	mA
V _I	DC input voltage ³		-0.5 to +7.0	V
I _{OK}	DC output diode current	V _O < 0	-50	mA
V _{OUT}	DC output voltage ³	Output in Off or High state	-0.5 to +7.0	V
I _{OUT}	DC output current	Output in Low state	128	mA
		Output in High state	-64	
T _{stg}	Storage temperature range		-65 to +150	°C

NOTES:

1. Stresses beyond those listed may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.
2. The performance capability of a high-performance integrated circuit in conjunction with its thermal environment can create junction temperatures which are detrimental to reliability. The maximum junction temperature of this integrated circuit should not exceed 150°C.
3. The input and output negative voltage ratings may be exceeded if the input and output clamp current ratings are observed.

RECOMMENDED OPERATING CONDITIONS

SYMBOL	PARAMETER	2.5V RANGE LIMITS		3.3V RANGE LIMITS		UNIT
		MIN	MAX	MIN	MAX	
V _{CC}	DC supply voltage	2.3	2.7	3.0	3.6	V
V _I	Input voltage	0	5.5	0	5.5	V
V _{IH}	High-level input voltage	1.7		2.0		V
V _{IL}	Input voltage		0.7		0.8	V
I _{OH}	High-level output current		-8		-32	mA
I _{OL}	Low-level output current		8		32	mA
	Low-level output current; current duty cycle ≤ 50%; f ≥ 1kHz		24		64	
Δt/Δv	Input transition rise or fall rate; Outputs enabled		10		10	ns/V
T _{amb}	Operating free-air temperature range	-40	+85	-40	+85	°C

2.5V/3.3V 16-bit bus transceiver/register

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DC ELECTRICAL CHARACTERISTICS (3.3V \pm 0.3V RANGE)GND = 0V; $t_R = t_F = 2.5\text{ns}$; $C_L = 50\text{pF}$; $R_L = 500\Omega$; $T_{amb} = -40^\circ\text{C}$ to $+85^\circ\text{C}$.

SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT	
			Temp = -40°C to +85°C				
			MIN	TYP ¹	MAX		
V_{IK}	Input clamp voltage	$V_{CC} = 3.0\text{V}$; $I_{IK} = -18\text{mA}$		-0.85	-1.2	V	
V_{OH}	High-level output voltage	$V_{CC} = 3.0$ to 3.6V ; $I_{OH} = -100\mu\text{A}$	$V_{CC}-0.2$	V_{CC}		V	
		$V_{CC} = 3.0\text{V}$; $I_{OH} = -32\text{mA}$	2.0	2.3			
V_{OL}	Low-level output voltage	$V_{CC} = 3.0\text{V}$; $I_{OL} = 100\mu\text{A}$		0.07	0.2	V	
		$V_{CC} = 3.0\text{V}$; $I_{OL} = 16\text{mA}$		0.25	0.4		
		$V_{CC} = 3.0\text{V}$; $I_{OL} = 32\text{mA}$		0.3	0.5		
		$V_{CC} = 3.0\text{V}$; $I_{OL} = 64\text{mA}$		0.4	0.55		
V_{RST}	Power-up output low voltage ⁶	$V_{CC} = 3.6\text{V}$; $I_O = 1\text{mA}$; $V_I = V_{CC}$ or GND			0.55	V	
I_I	Input leakage current	$V_{CC} = 3.6\text{V}$; $V_I = V_{CC}$ or GND	Control pins	0.1	± 1	μA	
		$V_{CC} = 0$ or 3.6V ; $V_I = 5.5\text{V}$		0.1	10		
		$V_{CC} = 3.6\text{V}$; $V_I = 5.5\text{V}$	I/O Data pins ⁴	0.1	20		
		$V_{CC} = 3.6\text{V}$; $V_I = V_{CC}$		0.5	10		
		$V_{CC} = 3.6\text{V}$; $V_I = 0$		0.1	-5		
I_{OFF}	Off current	$V_{CC} = 0\text{V}$; V_I or $V_O = 0$ to 4.5V		0.1	± 100	μA	
I_{HOLD}	Bus Hold current Data inputs ⁷	$V_{CC} = 3\text{V}$; $V_I = 0.8\text{V}$		75	130	μA	
		$V_{CC} = 3\text{V}$; $V_I = 2.0\text{V}$		-75	-140		
		$V_{CC} = 3.0\text{V}$; $V_I = 0\text{V}$ to 3.6V		± 500			
I_{EX}	Current into an output in the High state when $V_O > V_{CC}$	$V_O = 5.5\text{V}$; $V_{CC} = 3.0\text{V}$		50	125	μA	
$I_{PU/PD}$	Power up/down 3-State output current ³	$V_{CC} \leq 1.2\text{V}$; $V_O = 0.5\text{V}$ to V_{CC} ; $V_I = \text{GND}$ or V_{CC} OE/OE = Don't care		40	± 100	μA	
I_{CCH}	Quiescent supply current	$V_{CC} = 3.6\text{V}$; Outputs High, $V_I = \text{GND}$ or V_{CC} , $I_O = 0$		0.07	0.14	mA	
I_{CCL}		$V_{CC} = 3.6\text{V}$; Outputs Low, $V_I = \text{GND}$ or V_{CC} , $I_O = 0$		3.2	7		
I_{CCZ}		$V_{CC} = 3.6\text{V}$; Outputs Disabled; $V_I = \text{GND}$ or V_{CC} , $I_O = 0$ ⁵		0.07	0.14		
ΔI_{CC}	Additional supply current per input pin ²	$V_{CC} = 3\text{V}$ to 3.6V ; One input at $V_{CC}-0.6\text{V}$, Other inputs at V_{CC} or GND		0.04	0.4	mA	

NOTES:

1. All typical values are at $V_{CC} = 3.3\text{V}$ and $T_{amb} = 25^\circ\text{C}$.
2. This is the increase in supply current for each input at the specified voltage level other than V_{CC} or GND.
3. This parameter is valid for any V_{CC} between 0V and 1.2V with a transition time of up to 10msec . From $V_{CC} = 1.2\text{V}$ to $V_{CC} = 3.3\text{V} \pm 0.3\text{V}$ a transition time of $100\mu\text{sec}$ is permitted. This parameter is valid for $T_{amb} = 25^\circ\text{C}$ only.
4. Unused pins at V_{CC} or GND.
5. I_{CCZ} is measured with outputs pulled up to V_{CC} or pulled down to ground.
6. For valid test results, data must not be loaded into the flip-flops (or latches) after applying power.
7. This is the bus hold overdrive current required to force the input to the opposite logic state.

2.5V/3.3V 16-bit bus transceiver/register

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74ALVT16652

AC CHARACTERISTICS (3.3V ± 0.3V RANGE)GND = 0V; $t_R = t_F = 2.5\text{ns}$; $C_L = 50\text{pF}$; $R_L = 500\Omega$; $T_{amb} = -40^\circ\text{C}$ to $+85^\circ\text{C}$.

SYMBOL	PARAMETER	WAVEFORM	LIMITS			UNIT	
			$V_{CC} = 3.3V \pm 0.3V$				
			MIN	TYP ¹	MAX		
f_{MAX}	Maximum clock frequency	1	150	300		MHz	
t_{PLH} t_{PHL}	Propagation delay nCPAB to nBx or nCPBA to nAx	1	1.0 1.0	2.4 2.1	3.6 3.2	ns	
t_{PLH} t_{PHL}	Propagation delay nAx to nBx or nBx to nAx	2	0.5 0.5	1.5 1.6	2.5 2.7	ns	
t_{PLH} t_{PHL}	Propagation delay nSAB to nBx or nSBA to nAx	3	0.5 0.5	2.4 2.1	3.9 3.9	ns	
t_{PZH} t_{PZL}	Output enable time nOEBA to nAx	5 6	0.5 0.5	2.3 1.5	3.6 2.5	ns	
t_{PHZ} t_{PLZ}	Output disable time nOEBA to nAx	5 6	1.5 1.0	3.4 2.6	5.0 3.8	ns	
t_{PZH} t_{PZL}	Output enable time nOEAB to nBx	5 6	0.5 0.5	2.4 1.7	3.6 2.6	ns	
t_{PHZ} t_{PLZ}	Output disable time nOEAB to nBx	5 6	1.5 1.5	3.8 3.1	5.8 4.5	ns	

NOTE:1. All typical values are at $V_{CC} = 3.3V$ and $T_{amb} = 25^\circ\text{C}$.**AC SETUP REQUIREMENTS (3.3V ± 0.3V RANGE)**GND = 0V, $t_R = 2.5\text{ns}$, $t_F = 2.5\text{ns}$, $C_L = 50\text{pF}$, $R_L = 500\Omega$, $T_{amb} = -40^\circ\text{C}$ to $+85^\circ\text{C}$

SYMBOL	PARAMETER	WAVEFORM	LIMITS		UNIT	
			$V_{CC} = 3.3V \pm 0.3V$			
			MIN	TYP		
$t_s(H)$ $t_s(L)$	Setup time nAx to nCPAB, nBx to nCPBA	4	1.6 1.6	0.8 0.6	ns	
$t_h(H)$ $t_h(L)$	Hold time nAx to nCPAB, nBx to nCPBA	4	0.5 0	-0.5 -0.8	ns	
$t_w(H)$ $t_w(L)$	Pulse width, High or Low nCPAB or nCPBA	1	1.5 1.5		ns	

2.5V/3.3V 16-bit bus transceiver/register

(3-State)

74ALVT16652

DC ELECTRICAL CHARACTERISTICS (2.5V \pm 0.2V RANGE)GND = 0V; $t_R = t_F = 2.5\text{ns}$; $C_L = 50\text{pF}$; $R_L = 500\Omega$; $T_{amb} = -40^\circ\text{C}$ to $+85^\circ\text{C}$.

SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT	
			Temp = -40°C to +85°C				
			MIN	TYP ¹	MAX		
V_{IK}	Input clamp voltage	$V_{CC} = 2.3\text{V}$; $I_{IK} = -18\text{mA}$		-0.85	-1.2	V	
V_{OH}	High-level output voltage	$V_{CC} = 2.3$ to 3.6V ; $I_{OH} = -100\mu\text{A}$	$V_{CC}-0.2$	V_{CC}		V	
		$V_{CC} = 2.3\text{V}$; $I_{OH} = -8\text{mA}$	1.8	2.1			
V_{OL}	Low-level output voltage	$V_{CC} = 2.3\text{V}$; $I_{OL} = 100\mu\text{A}$		0.07	0.2	V	
		$V_{CC} = 2.3\text{V}$; $I_{OL} = 24\text{mA}$		0.3	0.5		
		$V_{CC} = 2.3\text{V}$; $I_{OL} = 8\text{mA}$			0.4		
V_{RST}	Power-up output low voltage ⁷	$V_{CC} = 2.7\text{V}$; $I_O = 1\text{mA}$; $V_I = V_{CC}$ or GND			0.55	V	
I_I	Input leakage current	$V_{CC} = 2.7\text{V}$; $V_I = \text{GND}$	Control pins	0.1	± 1	μA	
		$V_{CC} = 0$ or 2.7V ; $V_I = 5.5\text{V}$		0.1	10		
		$V_{CC} = 2.7\text{V}$; $V_I = 5.5\text{V}$	I/O Data pins ⁴	0.1	20		
		$V_{CC} = 2.7\text{V}$; $V_I = V_{CC}$		0.1	10		
		$V_{CC} = 2.7\text{V}$; $V_I = 0$		0.1	-5		
I_{OFF}	Off current	$V_{CC} = 0\text{V}$; V_I or $V_O = 0$ to 4.5V		0.1	± 100	μA	
I_{HOLD}	Bus Hold current A or B inputs ⁶	$V_{CC} = 2.3\text{V}$; $V_I = 0.7\text{V}$		90		μA	
		$V_{CC} = 2.3\text{V}$; $V_I = 1.7\text{V}$		-10		μA	
I_{EX}	Current into an output in the High state when $V_O > V_{CC}$	$V_O = 5.5\text{V}$; $V_{CC} = 2.3\text{V}$		50	125	μA	
$I_{PU/PD}$	Power up/down 3-State output current ³	$V_{CC} \leq 1.2\text{V}$; $V_O = 0.5\text{V}$ to V_{CC} ; $V_I = \text{GND}$ or V_{CC} $OE/\overline{OE} = \text{Don't care}$		40	100	μA	
I_{CCH}	Quiescent supply current	$V_{CC} = 2.7\text{V}$; Outputs High, $V_I = \text{GND}$ or V_{CC} , $I_O = 0$		0.04	0.1	mA	
I_{CCL}		$V_{CC} = 2.7\text{V}$; Outputs Low, $V_I = \text{GND}$ or V_{CC} , $I_O = 0$		2.5	4.5		
I_{CCZ}		$V_{CC} = 2.7\text{V}$; Outputs Disabled; $V_I = \text{GND}$ or V_{CC} , $I_O = 0^5$		0.04	0.1		
ΔI_{CC}	Additional supply current per input pin ²	$V_{CC} = 2.3\text{V}$ to 2.7V ; One input at $V_{CC}-0.6\text{V}$, Other inputs at V_{CC} or GND		0.01	0.4	mA	

NOTES:

- All typical values are at $V_{CC} = 2.5\text{V}$ and $T_{amb} = 25^\circ\text{C}$.
- This is the increase in supply current for each input at the specified voltage level other than V_{CC} or GND.
- This parameter is valid for any V_{CC} between 0V and 1.2V with a transition time of up to 10msec. From $V_{CC} = 1.2\text{V}$ to $V_{CC} = 2.5\text{V} \pm 0.2\text{V}$ a transition time of 100 μsec is permitted. This parameter is valid for $T_{amb} = 25^\circ\text{C}$ only.
- Unused pins at V_{CC} or GND.
- I_{CCZ} is measured with outputs pulled up to V_{CC} or pulled down to ground.
- Not guaranteed.
- For valid test results, data must not be loaded into the flip-flops (or latches) after applying power.

2.5V/3.3V 16-bit bus transceiver/register

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(3-State)

74ALVT16652

AC CHARACTERISTICS (2.5V ± 0.2V RANGE)

GND = 0V; $t_R = t_F = 2.5\text{ns}$; $C_L = 50\text{pF}$; $R_L = 500\Omega$; $T_{amb} = -40^\circ\text{C}$ to $+85^\circ\text{C}$.

SYMBOL	PARAMETER	WAVEFORM	LIMITS			UNIT	
			$V_{CC} = 2.5\text{V} \pm 0.2\text{V}$				
			MIN	TYP ¹	MAX		
f_{MAX}	Maximum clock frequency	1	150	200		MHz	
t_{PLH} t_{PHL}	Propagation delay nCPAB to nBx or nCPBA to nAx	1	1.0 1.0	3.0 2.7	4.9 4.2	ns	
t_{PLH} t_{PHL}	Propagation delay nAx to nBx or nBx to nAx	2	0.5 0.5	2.0 2.1	3.2 3.5	ns	
t_{PLH} t_{PHL}	Propagation delay nSAB to nBx or nSBA to nAx	3	1.5 1.5	3.4 3.2	5.2 5.8	ns	
t_{PZH} t_{PZL}	Output enable time nOEBA to nAx	5 6	1.5 0.5	3.2 2.0	4.7 3.2	ns	
t_{PHZ} t_{PLZ}	Output disable time nOEBA to nAx	5 6	1.5 1.8	3.2 2.3	4.8 3.5	ns	
t_{PZH} t_{PZL}	Output enable time nOEAB to nBx	5 6	1.5 1.0	3.3 2.5	4.9 3.6	ns	
t_{PHZ} t_{PLZ}	Output disable time nOEAB to nBx	5 6	2.0 1.0	3.9 2.3	5.9 6.0	ns	

NOTE:

1. All typical values are at $V_{CC} = 3.3\text{V}$ and $T_{amb} = 25^\circ\text{C}$.

AC SETUP REQUIREMENTS (2.5V ± 0.2V RANGE)

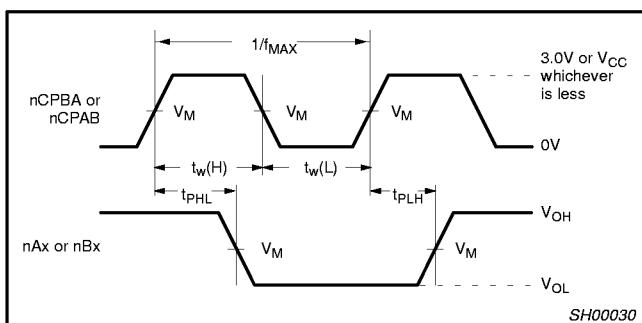
GND = 0V; $t_R = 2.5\text{ns}$, $t_F = 2.5\text{ns}$, $C_L = 50\text{pF}$, $R_L = 500\Omega$, $T_{amb} = -40^\circ\text{C}$ to $+85^\circ\text{C}$

SYMBOL	PARAMETER	WAVEFORM	LIMITS		UNIT	
			$V_{CC} = 2.5\text{V} \pm 0.2\text{V}$			
			MIN	TYP		
$t_s(H)$ $t_s(L)$	Setup time ¹ nAx to nCPAB, nBx to nCPBA	4	1.8 2.0	0.9 1.0	ns	
$t_h(H)$ $t_h(L)$	Hold time ¹ nAx to nCPAB, nBx to nCPBA	4	0.0 0.0	-1.0 -1.0	ns	
$t_w(H)$ $t_w(L)$	Pulse width, High or Low nCPAB or nCPBA	1	1.5 1.5		ns	

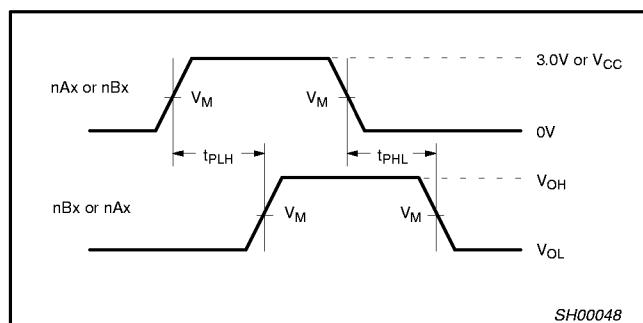
NOTE:

1. This data sheet limit may vary among suppliers.

AC WAVEFORMS

 $V_M = 1.5\text{V}$ at $V_{CC} \geq 3.0\text{V}$; $V_M = V_{CC}/2$ at $V_{CC} \leq 2.7\text{V}$ $V_X = V_{OL} + 0.3\text{V}$ at $V_{CC} \geq 3.0\text{V}$; $V_X = V_{OL} + 0.15\text{V}$ at $V_{CC} \leq 2.7\text{V}$ $V_Y = V_{OH} - 0.3\text{V}$ at $V_{CC} \geq 3.0\text{V}$; $V_Y = V_{OH} - 0.15\text{V}$ at $V_{CC} \leq 2.7\text{V}$ 

Waveform 1. Propagation Delay, Clock Input to Output, Clock Pulse Width, and Maximum Clock Frequency

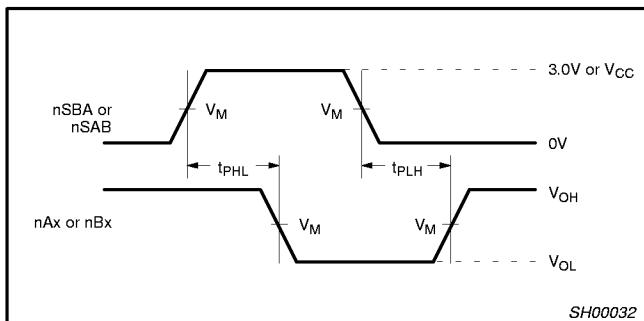


Waveform 2. Propagation Delay, nAx to nBx or nBx to nAx

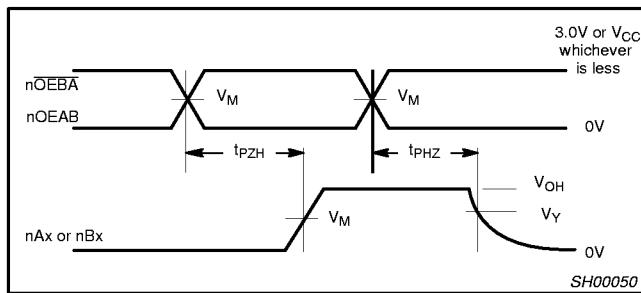
2.5V/3.3V 16-bit bus transceiver/register

(3-State)

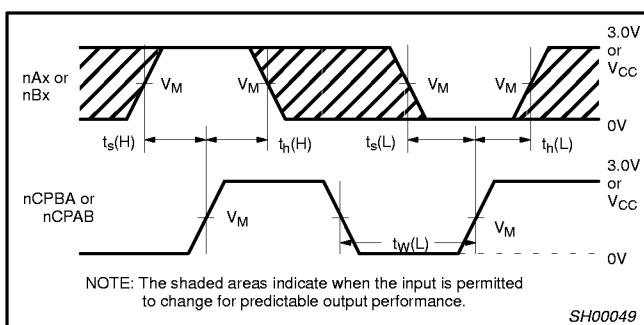
74ALVT16652



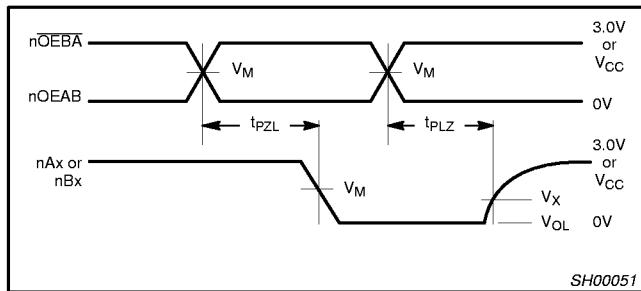
Waveform 3. Propagation Delay, SBA to nAx or SAB to nBx



Waveform 5. 3-State Output Enable Time to High Level and Output Disable Time from High Level

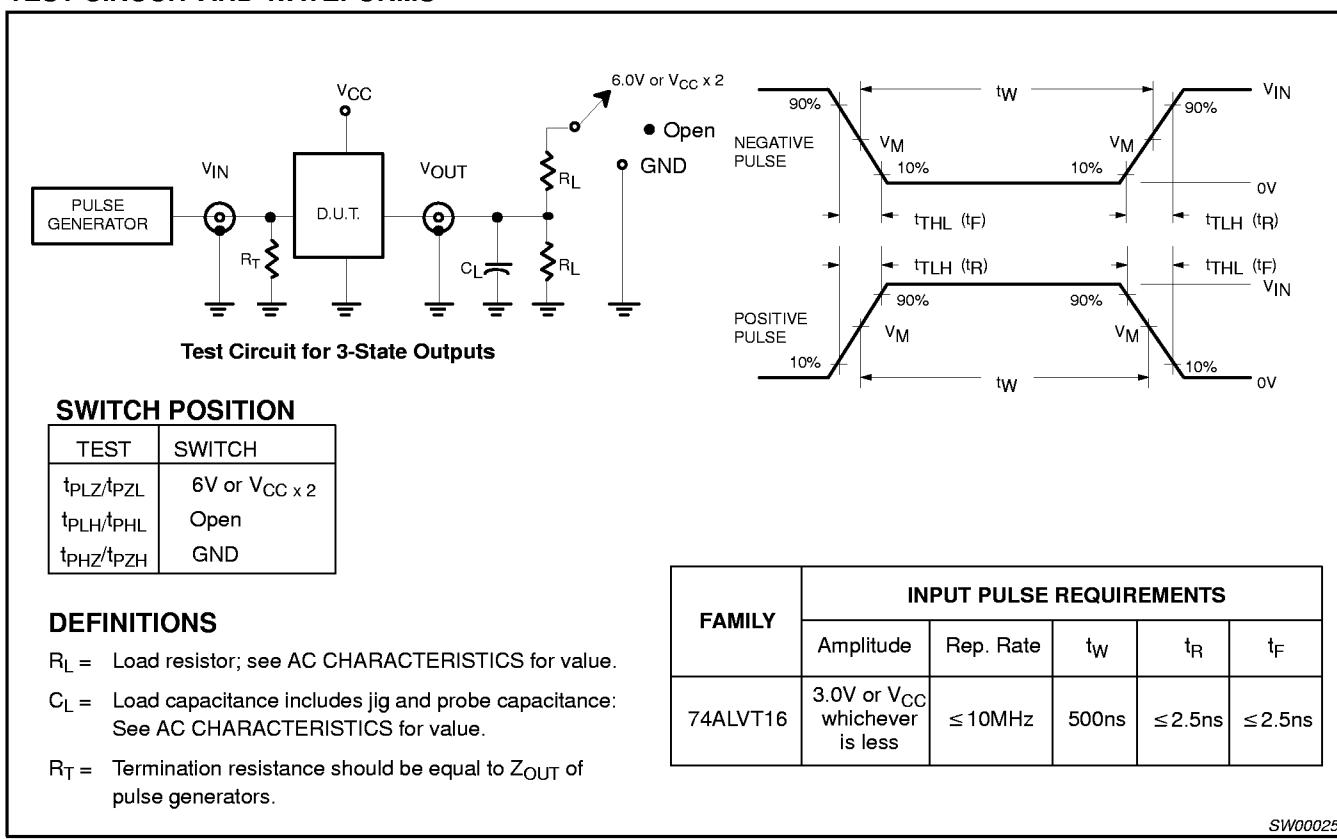


Waveform 4. Data Setup and Hold Times



Waveform 6. 3-State Output Enable Time to Low Level and Output Disable Time from Low Level

TEST CIRCUIT AND WAVEFORMS



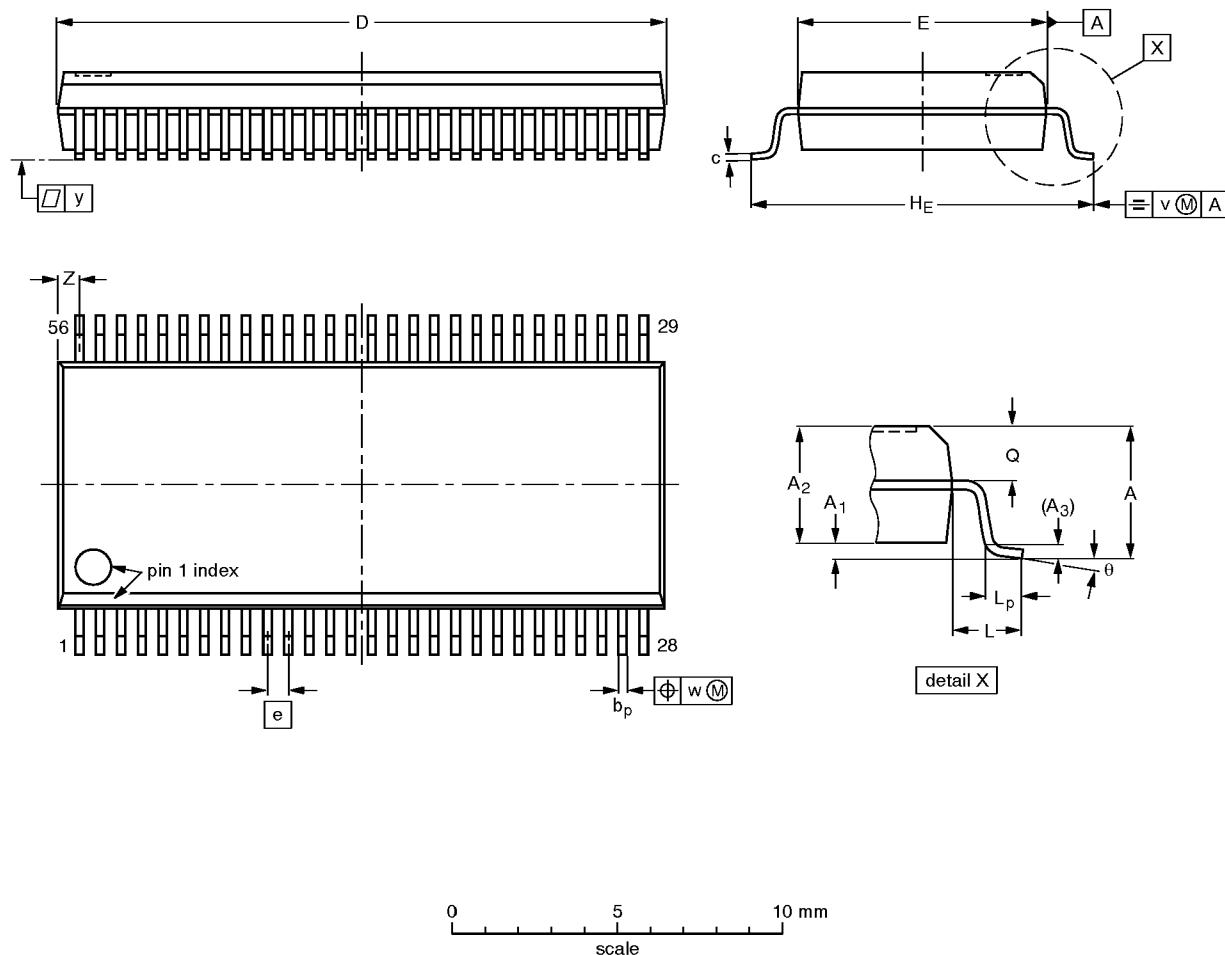
2.5V/3.3V 16-bit bus transceiver/register (3-State)

查询 74ALVT162344DGG-T 供应商

74ALVT16652

SSOP56: plastic shrink small outline package; 56 leads; body width 7.5 mm

SOT371-1

**DIMENSIONS (mm are the original dimensions)**

UNIT	A max.	A ₁	A ₂	A ₃	b _p	c	D ⁽¹⁾	E ⁽¹⁾	e	H _E	L	L _p	Q	v	w	y	Z ⁽¹⁾	θ
mm	2.8	0.4	2.35	0.25	0.3	0.22	18.55	7.6	0.635	10.4	1.4	1.0	1.2	0.25	0.18	0.1	0.85	8°
		0.2	2.20		0.2	0.13	18.30	7.4		10.1	0.6	1.0	1.0				0.40	0°

Note

- Plastic or metal protrusions of 0.25 mm maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	EIAJ			
SOT371-1		MO-118AB				93-11-02-95-02-04

2.5V/3.3V 16-bit bus transceiver/register (3-State)
查询 74ALVT162344DGG-T 供应商

74ALVT16652

TSSOP56: plastic thin shrink small outline package; 56 leads; body width 6.1mm

SOT364-1

