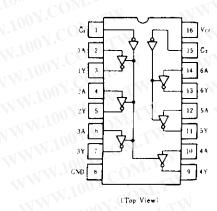
HD74LS368A •Hex Bus Drivers (inverted data outputs with three-state outputs)

■ PIN ARRANGEMENT



特力材料886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www. 100y. com. tw

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BABSOLUTE MAXIMUM RATINGS

ltem	Symbol	Ratings	Unit
Supply voltage	$V_{\rm tot}$	7.0	V
Input voltage	V_D	7.0	V
Output voltage (off-state)	V_{minff}	5.5	V
Operating temperature range	T.p.	20 ~ + 75	°C
Storage temperature range	Tark	- 65 + 150	°C

WW.100Y.COM.TW FUNCTION TABLE

Ğ	A	Y
Н	. (X)	Z
L	L	Н
L	H	L

H; high level, L; low level, Note) X; irrelevant Z; off (high-impedance) state WWW.100Y.CO^R of a 3-state output

RECOMMENDED OPERATING CONDITIONS

Item	Symbol	min	typ	max	Unit
Output current	I_{OH}	<u>N</u>	11,100 =	2.6	m A
Output current	Int	=(1/1/1	-110 0 7.	24	πА

ELECTRICAL CHARACTERISTICS $(Ta = -20 \sim +75^{\circ}C)$

Item	1	Symbol	Test Conditions		min	typ*	max	Unit
		VIH	100 COM MALE		2.0	an)	1	v
Input voltage		v_{ii}			1 1 0 0		0.8	· ·
CONT.	-33	Von	$V_{cc} = 4.75V$, $V_{IR} = 2V$, $V_{IL} = 0.8V$, $I_{OH} = -2.6 \text{mA}$		2.4	O		
Output voltage					M.To.	- <u>-</u> -C(0.4	v
Output vortage	Vol	$V_{cc} = 4.75 \text{V}, V_{IH} = 2 \text{V}, V_{IL} = 0.8 \text{V}$	Iot - 24mA	ST 1	07.0	0.5	71	
· COM		4XI ³	V ₀ -2.4V	Vo-2.4V	V 77.	O.V.O	20	μΑ
Output current $I_{OZ} = V_{CC} - 5.25 \text{V}, V_{IH} - 2 \text{V}$		$V_{CC} = 5.25 \text{V}, V_{IH} = 2 \text{V}, V_{IL} = 0.8 \text{V}$	Vo-0.4V	WW.	100	-20	μΛ	
11007.	71.11.41	1111	Vcc-5.25V, V,-2.7V		_	100_{J}	20	μA
		-	Vcc-5.25V, Vi-0.5V, G input a	t 2V	14	-00	-20	μ
Input current	A inputs	I_{L}	$V_{cc}=5.25$ V, $V_i=0.4$ V, \overline{G} inputs at 0.4 V			N. II.	-0.4	m.f
G inputs	1	$V_{cc} = 5.25 \text{V}, V_i = 0.4 \text{V}$		<i>N.</i> T.	W-101	-0.4	mA	
WW. COX.CO		I_{I}	Vcc-5.25V, V,-7V	TW	-		0.1	m.A
Short-circuit out	put current	Ios	V _{cc} -5.25V		-40	1/7	-225	m.
Supply current **		Icc.	Vcc-5.25V			12	21	mz
Input clamp volta		Vik	Vcc=5.25V, IIN=-18mA	WIT	-11		-1.5	

^{*} VCC=5V, Ta=25°C

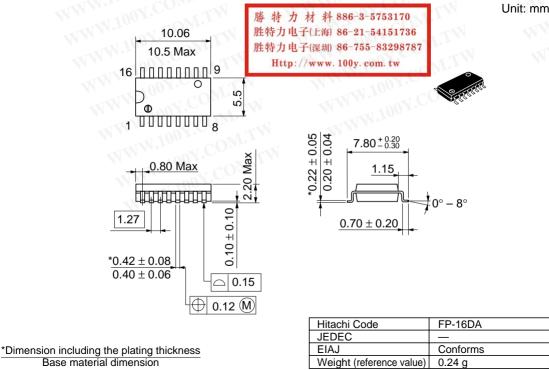
ESWITCHING CHARACTERISTICS $(V_{cc}=5V, T_a=25^{\circ}C)$

ItemSymbolTest ConditionsmintyplistPropagation delay time t_{PLH} t_{PHL} t_{ZH} — 7 15 — 12 18 — 18 35 — 18 35 — 28 45Output enable time t_{ZH} t_{ZL} — 28 45 — 32Output disable time t_{HZ} t_{LZ} — 32 — 35	tplh tphl tzh	C_L -45pF, R_L -667 Ω	W.1 4.=		18	ns
Propagation delay time t_{PHL} $C_L = 45 pF$, $R_L = 667 Ω$ — 12 18 Output enable time t_{ZL} — 18 35 n Output disable time t_{HZ} — 28 45 t_{LZ} — — 32 t_{LZ} — — 35	t PHL	C_{L} -45pF, R_{L} -667 Ω	W.1 <u>A.</u>			.101
Output enable time t_{ZH} $C_L = 45 \text{pF}, R_L = 66711$ $-$ 18 35 n $-$ 28 45 $-$ 28 45 Output disable time t_{LZ} $C_L = 5 \text{pF}, R_L = 667\Omega$ $-$ 35	tzn	C_{L} -45pF, R_{L} -667 Ω		18	35	7 75
Output enable time $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1000	W.100				1 413
Output disable time $ \begin{array}{c cccc} t_{HZ} & C_L - 5pF, & R_L - 667\Omega & - & 32 \\ \hline t_{LZ} & & - & 35 \\ \hline \end{array} $	LZL.		U P 1	28	45	11.77
Output disable time $C_L = 5pF$, $R_L = 667\Omega$ $-$ 35		30			32	XXI.
	Cur	C_{\perp} -5pF, R_{\perp} -667 Ω	CONTEN	 	35	
		MAN NAME OF THE PARTY OF THE PA	COMIT	N	W.	W
勝 特 力 材 料 886-3-5 胜特力电子(上海) 86-21-5		t L z n of the C	C_L =5pF, R_L =667 Ω n of the Common Item	C_L =5pF, R_L =66711	C_L =5pF, R_L =66711	$C_L = 5$ pF, $R_L = 66711$ $-$ 35 of the Common Item

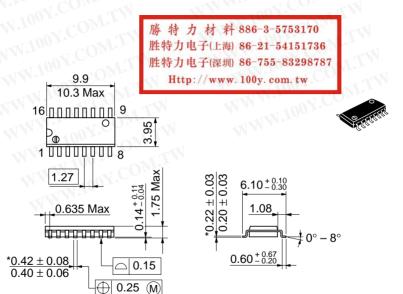
勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw WWW.100Y.COM.TW

^{**} With all outputs open, I_{CC} is measured with all inputs grounded and all \overline{G} inputs at 4.5 V.

Unit: mm 19.20 20.00 Max 16 ↑ 7.40 Max 6.30 1.11 Max 7.62 5.06 Max 2.54 Min 0.51 Min $0.25^{+0.13}_{-0.05}$ 2.54 ± 0.25 0.48 ± 0.10 $0^{\circ} - 15^{\circ}$ 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 Hitachi Code DP-16 胜特力电子(深圳) 86-755-83298787 **JEDEC** Conforms Http://www.100y.com.tw EIAJ Conforms Weight (reference value) 1.07 g



Unit: mm



	Hitachi Code	FP-16DN
	JEDEC	Conforms
*Dimension including the plating thickness	EIAJ	Conforms
Base material dimension	Weight (reference value)	0.15 a

Cautions

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