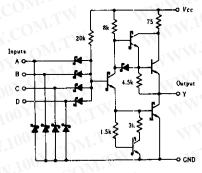
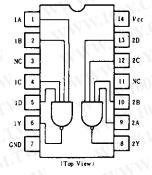
HD74LS20 • Dual 4-input Positive NAND Gates



PIN ARRANGEMENT



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

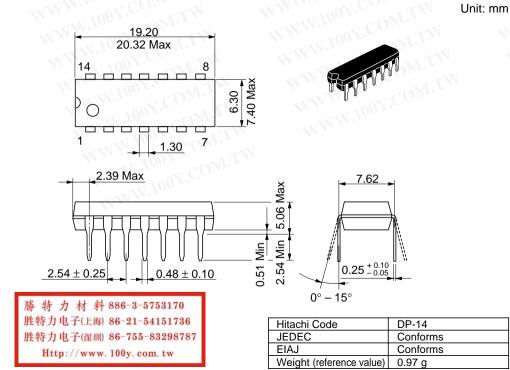
Item	Symbol	Test Conditions		min	typ*	max	Unit
Input voltage	Vin	W.100	-0 ^{M. 1}	2.0	N ₁₇	100	COV
	VIL	W 1001.	T.IN	-		0.8	v
WWW MONY.CO	Voн	$V_{CC} = 4.75 \text{V}, V_{IL} = 0.8 \text{V}, I_{OH} = -400 \mu \text{A}$		2.7		007	v
Output voltage	Vol	$V_{CC} = 4.75 V, V_{IH} = 2 V$	IoL=8mA	- 12	VIT	0.5	v
			loL=4mA	1		0.4	
Input current	Іін	$V_{cc} = 5.25 \text{V}, V_l = 2.7 \text{V}$	Mon		-	20	μA
	ItL	$V_{CC} = 5.25 \text{V}, V_I = 0.4 \text{V}$		1.1	- 1	-0.4	mA
	li	$V_{CC} = 5.25 \mathrm{V}, V_I = 7 \mathrm{V}$			_	0.1	mA
Short-circuit output current	los	$V_{CC} = 5.25 \mathrm{V}$		- 20	_	- 100	mA
.100 ×	Іссн	<i>Vcc</i> =5.25V		DWF,	0.4	0.8	mA
Supply current	Iccl	<i>Vcc</i> = 5.25V		oN.	1.2	2.2	mA
Input clamp voltage	VIK	$V_{cc} = 4.75V, I_{IN} = -18mA$		1	<u> </u>	-1.5	V

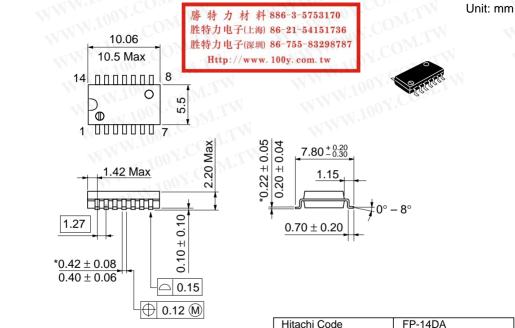
ESWITCHING CHARACTERISTICS ($V_{cc}=5V$, $Ta=25^{\circ}C$)

ESWITCHING CHARACTERISTICS ($V_{cc}=5V$, $T_a=25^{\circ}C$)							
Item	Symbol	Test Conditions	min	typ	max	Unit	
Provide a la la construcción de	tPLH O	$C_L = 15 \mathrm{pF}, R_L = 2 \mathrm{k} \Omega$. V . T C	9	15	ns	
Propagation delay time	t PHL	CL-Iopr, KL=2KW	100-	10	15	ns	

Note) Refer to Test Circuit and Waveform of the Common Item

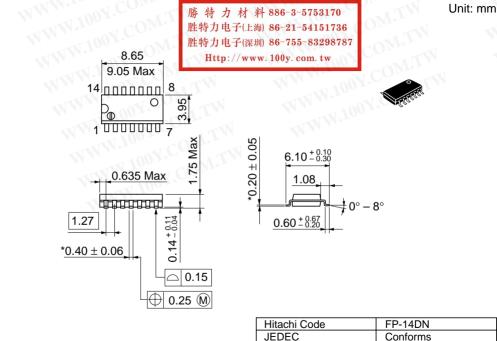
勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
Http://www. 100y. com. tw





*Dimension including the plating thickness Base material dimension

Hitachi Code	FP-14DA
JEDEC	—
EIAJ	Conforms
Weight (reference value)	0.23 g



EIAJ

Weight (reference value)

Conforms

0.13 g

*Pd plating

Cautions

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

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