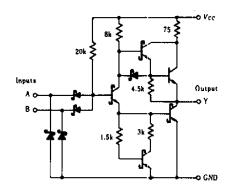
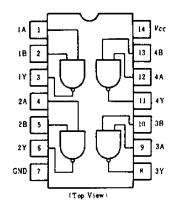
## ■CIRCUIT SCHEMATIC(1/4)



### **■PIN ARRANGEMENT**



## **ELECTRICAL CHARACTERISTICS** ( $Ta = +20 \sim +75 \%$ )

Item	Symbol	Test Conditions		min	typ*	max	Unit
	VtH			2.0	_	-	v
Input voltage	VIL			_	_	0.8	v
Output voltage	Von	$V_{CC} = 4.75 \text{V},  V_{IL} = 0.8 \text{V},$	$I_{OH} = -400 \mu A$	2.7		-	v
		4 5517 15 017	IoL=8mA	_	-	0.5	v
	Vol	$V_{CC}=4.75V, V_{IH}=2V$	Iot = 4mA		_	0.4	
Input current	Іін	$V_{CC} = 5.25 \text{V}, V_I = 2.7 \text{V}$		_	****	20	μA
	IIL	$V_{CC} = 5.25 \text{V},  V_{I} = 0.4 \text{V}$			-	-0.4	mA
	Iı	$V_{CC} = 5.25 \text{V}, V_I = 7 \text{V}$		***	_	0.1	mA
Short-circuit output current	los	Vcc=5.25V		- 20	_	- 100	mA
Supply current	Іссн	Vcc=5.25V		_	0.8	1.6	mA
	IccL	Vcc=5.25V		_	2;4	4.4	mA
Input clamp voltage	VIK	Vcc=4.75V, IIN=-18mA		_	-	-1.5	v

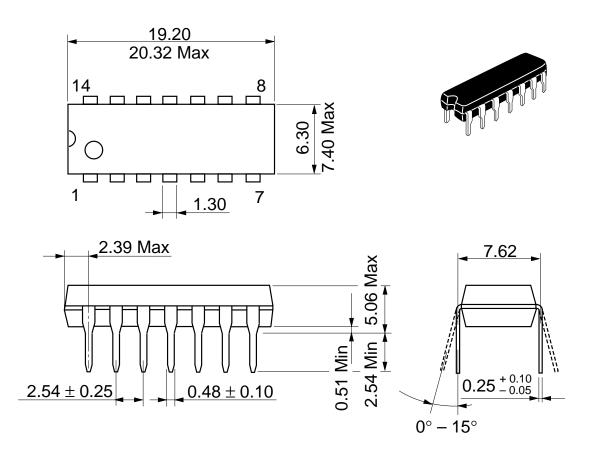
<sup>\*</sup>  $V_{CC}$ =5V, Ta=25°C

## **ESWITCHING CHARACTERISTICS** ( $V_{CC}=5V$ , $T_{\alpha}=25^{\circ}C$ )

Item	Symbol	Test Conditions	min	typ	max	Unit
Propagation delay time	tрiн	$C_L = 15 \mathrm{pF}, \ R_L = 2 \mathrm{k}\Omega$		9	15	ns
	<b>t</b> PHL			10	15	กร

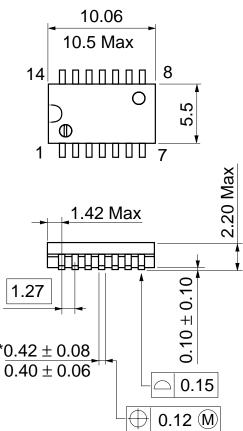
Note) Refer to Test Circuit and Waveform of the Common Item

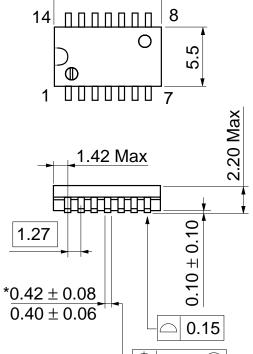
Unit: mm



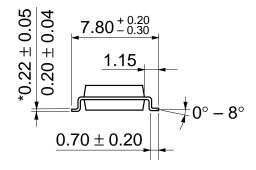
Hitachi Code	DP-14
JEDEC	Conforms
EIAJ	Conforms
Weight (reference value)	0.97 g

Unit: mm





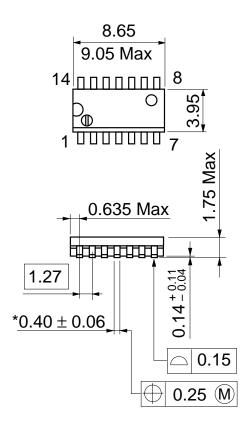




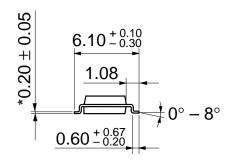
Hitachi Code	FP-14DA
JEDEC	
EIAJ	Conforms
Weight (reference value)	0.23 g

Dimension	including	the	plating	thickness
Bas	se materia	al dir	mensio	1

Unit: mm







Hitachi Coo	de	FP-14DN	
JEDEC		Conforms	
EIAJ		Conforms	
Weight (refe	erence value)	0.13 g	

\*Pd plating

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