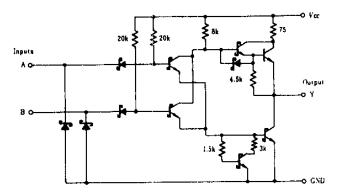
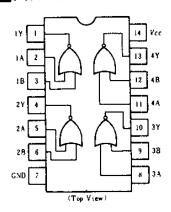
■CIRCUIT SCHEMATIC(1/4)



PIN ARRANGEMENT



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

Item	Symbol	Test Conditions		min	typ*	max	Unit
	Vin			2.0	_	_	V
Input voltage	VIL					0.8	V
Output voltage	Voн	$V_{CC} = 4.75 \text{V}, V_{IL} = 0.8 \text{V}, I_{OH} = -400 \mu\text{A}$		2.7	_		V
			IoL = 8mA	_	-	0.5	v
	Vol	$V_{CC}=4.75V$, $V_{IH}=2V$	$I_{OL} = 4 \mathrm{mA}$	_		0.4	
Input current	Iн	$V_{CC} = 5.25 \text{V}, V_I = 2.7 \text{V}$			_	20	μA
	In	$V_{CC} = 5.25 \text{V}, V_I = 0.4 \text{V}$		-	_	-0.4	mA
	Ī _I	$V_{CC} = 5.25 \text{V}, V_I = 7 \text{V}$	· · ·	_	_	0.1	mA
Short-circuit output current	Ios	V _{CC} =5.25V		-20	-	-100	mA
Supply current	Іссн	Vcc=5.25V			1.6	3.2	mA
	IccL	Vcc=5.25V		-	2.8	5.4	mA
Input clamp voltage	Vik	$V_{CC} = 4.75 \text{V}, I_{IN} = -18 \text{mA}$		_	<u></u>	-1.5	V

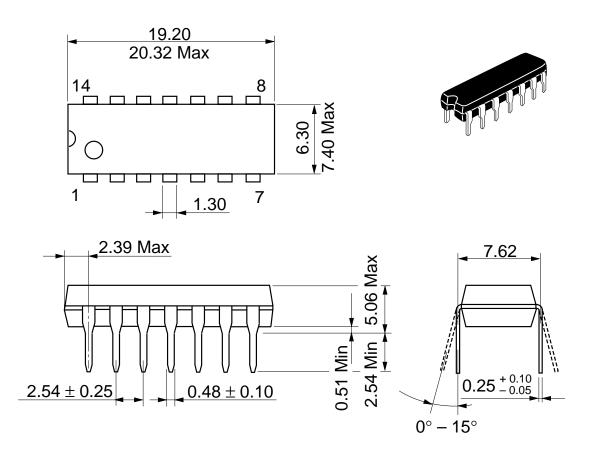
^{*} V_{CC}=5V, Ta=25°C

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

Item	Symbol	Test Conditions	min	typ	max	Unit
Propagation delay time	tрын	$C_L = 15 \text{pF}, R_L = 2 \text{k}\Omega$	_	10	15	ns
	tphl			10	15	ns

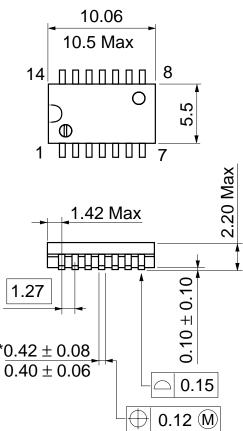
Note) Refer to Test Circuit and Waveform of the Common Item

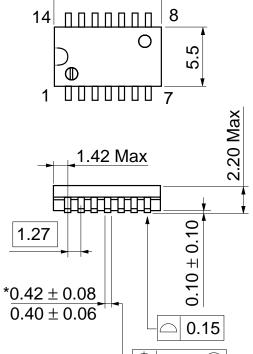
Unit: mm



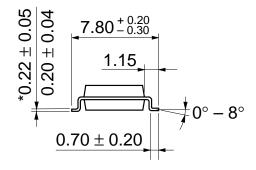
Hitachi Code	DP-14
JEDEC	Conforms
EIAJ	Conforms
Weight (reference value)	0.97 g

Unit: mm





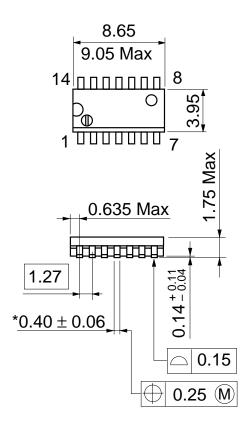




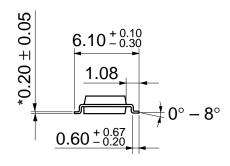
Hitachi Code	FP-14DA
JEDEC	
EIAJ	Conforms
Weight (reference value)	0.23 g

Dimension	including	the	plating	thickness
Bas	se materia	al dir	mensioi	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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