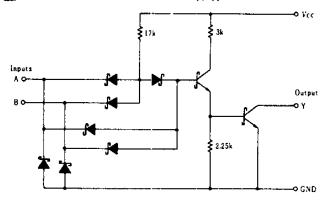
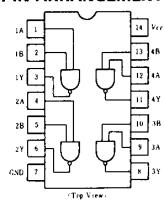
■CIRCUIT SCHEMATIC(¼)



PIN ARRANGEMENT



MRECOMMENDED OPERATING CONDITIONS

Item	Symbol	min	typ	max	Unit
High level output voltage	Vot.	_	1	5.5	v
Low level output current	Io t.	_	_	24	mA

MELECTRICAL CHARACTERISTICS ($Ta = -20 \sim +75$ °C)

Item	Symbol	Test Conditions		min	typ*	max	Unit
•	ViH			2.0		_	v
Input voltage	VIL			_	-	0.8	v
Output voltage Vo	**	$V_{CC} = 4.75 \text{V}, V_{IH} = 2 \text{V}$	IoL = 24mA	_	_	0.5	v
	Vol		Io L = 12m A	_		0.4	
Output current	Іон	$V_{CC} = 4.75 \text{V}, V_I = 0.8 \text{V}, V_{OH} = 5.5 \text{V}$		_	_	250	μA
Input current	Itн	$V_{CC} = 5.25 \text{V}, V_I = 2.7 \text{V}$			-	20	μΑ
	In	$V_{CC} = 5.25 \text{V}, V_i = 0.4 \text{V}$		-	-	-0.4	m A
	Iı	$V_{CC} = 5.25 \text{V}, V_I = 7 \text{V}$				0.1	mA
<u> </u>	Іссн	$V_{CC} = 5.25 \text{V}$		_	0.9	2.0	mA
Supply current	Iccı	$V_{CC} = 5.25 \text{V}$			6	12	mA
Input clamp voltage	Vik	$V_{CC} = 4.75 \text{V}, I_{IN} = -18 \text{mA}$		+	_	-1.5	v

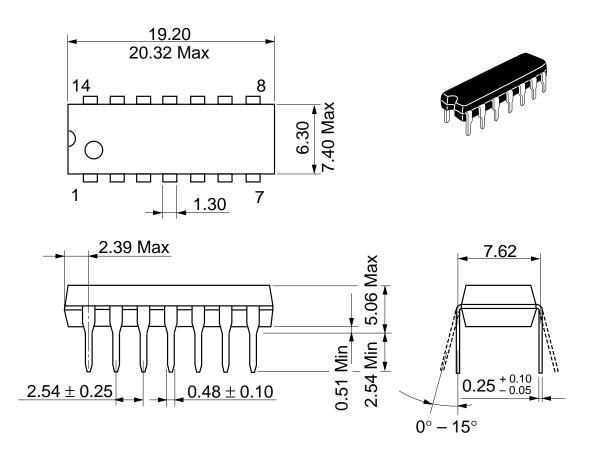
^{*} VCC=5V, Ta=25°C

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

Item	Symbol	Test Conditions	min	typ	max	Unit
Propagation delay time	tpl.H	C45-E B567.0		20	32	ns
	tphl.	$C_L = 45 \text{pF}, R_L = 667 \Omega$	1	18	28	ns

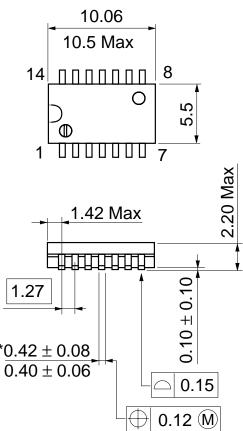
Note) Refer to Test Circuit and Waveform of the Common Item

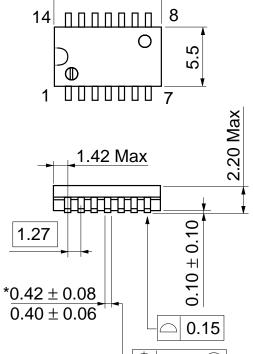
Unit: mm



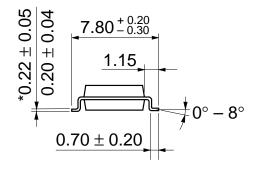
Hitachi Code	DP-14
JEDEC	Conforms
EIAJ	Conforms
Weight (reference value)	0.97 g

Unit: mm





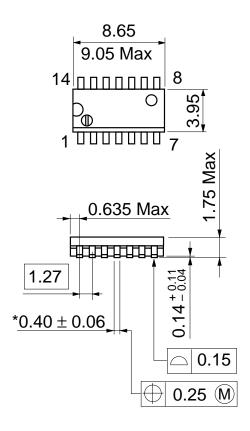




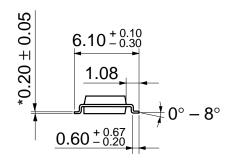
Hitachi Code	FP-14DA
JEDEC	
EIAJ	Conforms
Weight (reference value)	0.23 g

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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