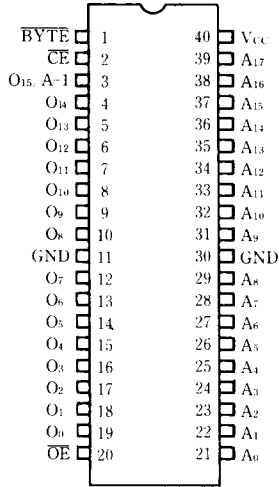




■ PIN CONFIGURATION

■ PIN DESCRIPTION

( TOP View )



PIN NAME	FUNCTION
$\overline{\text{BYTE}}$	8 bit/16 bit mode select input
$\overline{\text{CE}}$	Chip enable input
$O_{15} / A-1$	(16 bit mode) data output/ (8 bit mode) LSB address
$O_0 \sim O_{14}$	Data output
$A_0 \sim A_{17}$	Address input
$\overline{\text{OE}}$	Output enable input
Vcc	+5V power supply
GND	GND

■ TRUTH TABLE

$\overline{\text{CE}}$	$\overline{\text{OE}}$	$\overline{\text{BYTE}}$	A - 1 ( $O_{15}$ )	Standby/ Active	$O_0 \sim O_7$	$O_8 \sim O_{15}$	mode	LSB	MSB
H	X	X	X	Standby	Hi-Z	Hi-Z	output	-	-
L	H	X	X	Active	Hi-Z	Hi-Z	Hi-Z	-	-
L	L	H	input inhibition		$O_0 \sim O_7$	$O_8 \sim O_{15}$	16 bit	$A_0$	$A_{17}$
L	L	L	L		$O_0 \sim O_7$	Hi-Z	8 bit	A-1	$A_{17}$
L	L	L	H		$O_8 \sim O_{15}$	Hi-Z			

L : Low level  
H : High level  
X : No effect

Hi-Z : High impedance output

■ ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Condition	Limit	Unit
V <sub>CC</sub>	Supply Voltage	With respect to GND	-0.3~7	V
V <sub>I</sub>	Input Voltage		-0.3~V <sub>CC</sub> +0.3	V
V <sub>O</sub>	Output Voltage		-0.3~V <sub>CC</sub> +0.3	V
T <sub>opr</sub>	Operating Ambient Temperature		0~70	°C
T <sub>stg</sub>	Storage Temperature		-40~125	°C

■ RECOMMENDED OPERATING CONDITIONS (T<sub>a</sub>=0~70°C)

Symbol	Parameter	Specified Value			Unit
		Min	Typ	Max	
V <sub>CC</sub>	Supply Voltage	4.5	5.0	5.5	V
V <sub>IH</sub>	Input High Voltage	2.0		V <sub>CC</sub>	V
V <sub>IL</sub>	Input Low Voltage	-0.3		0.8	V

■ ELECTRICAL CHARACTERISTICS

● DC ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=0~70°C, V<sub>CC</sub>=5V±10%)

Symbol	Parameter	Test Condition	Specified Value			Unit
			Min	Typ	Max	
I <sub>CC1</sub>	Supply Current (Standby)	CE=V <sub>CC</sub>			100	μA
I <sub>CC2</sub>	Supply Current (Active)	I <sub>O</sub> =0mA			40	mA
V <sub>OH</sub>	Output High Voltage	I <sub>OH</sub> =-400μA	2.4			V
V <sub>OL</sub>	Output Low Voltage	I <sub>OL</sub> =2.0mA			0.4	V
V <sub>IH</sub>	Input High Voltage		2.0		V <sub>CC</sub>	V
V <sub>IL</sub>	Input Low Voltage		-0.3		0.8	V
I <sub>LI</sub>	Input Leakage Current	V <sub>I</sub> =0V~V <sub>CC</sub>	-10		10	μA
I <sub>LO</sub>	Output Leakage Current	V <sub>O</sub> =0V~V <sub>CC</sub> Chip Deselected	-10		10	μA

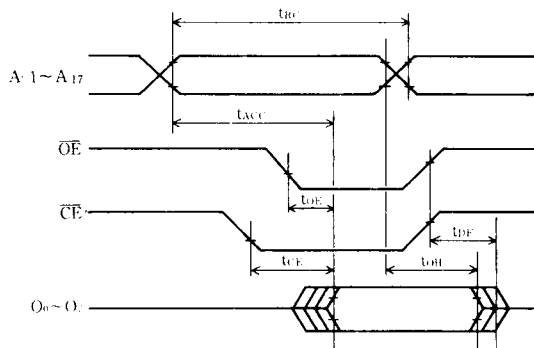
● AC ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=0~70°C, V<sub>CC</sub>=5V±10%)

Symbol	Parameter	Specified Value			Unit
		Min	Typ	Max	
t <sub>RC</sub>	Read Cycle Time	200			ns
t <sub>ACC</sub>	Address Access Time			200	ns
t <sub>CE</sub>	Chip Enable Access Time			200	ns
t <sub>OE</sub>	Output Enable Access Time			80	ns
t <sub>DF</sub>	Output Floating Delay Time	0		80	ns
t <sub>OH</sub>	Output Hold Time	0			ns
t <sub>BYT</sub>	Byte Access Time			200	ns

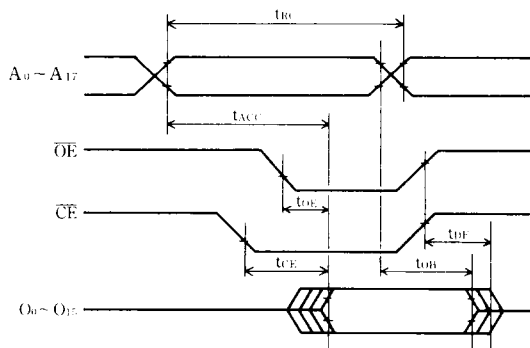
Note) Test Condition  
 Input Pulse Voltage: V<sub>IL</sub>=0.6V,  
                           V<sub>IHF</sub>=2.4V  
 Input Pulse Rise/Fall Time: 10ns  
 Timing Measuring Voltage:  
     Input V<sub>IL</sub>=0.8V, V<sub>IHF</sub>=2.2V  
     Output V<sub>OL</sub>=0.8V, V<sub>OH</sub>=2.0V  
 Output Load: 1TTL + 100pF  
 (including jig capacitance)

■ TIMING CHART

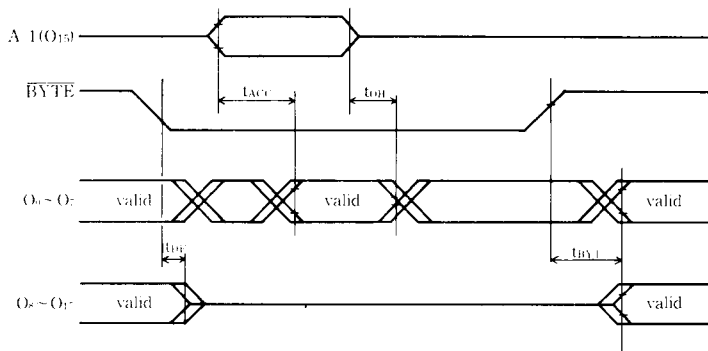
● 8 bit mode ( $\overline{\text{BYTE}} = \text{V}_{\text{IH}}$ )



● 16 bit mode ( $\overline{\text{BYTE}} = \text{V}_{\text{IL}}$ )



● 8 bit mode/16 bit mode Select (for  $A_{10} \sim A_{17}, \overline{\text{CE}} = \text{"L"}, \overline{\text{OE}} = \text{"L"}$ )



■ PACKAGE DIMENSION (mm/inch)

