

# MR26V6455J

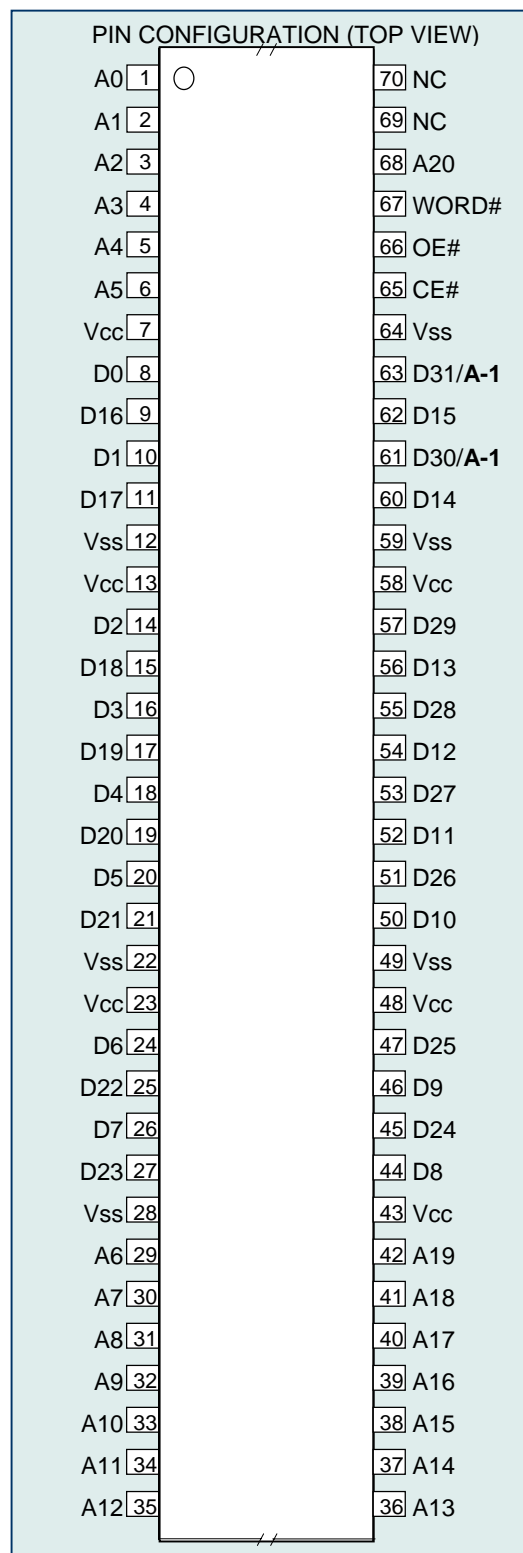
2M-Word × 32-Bit or 4M-Word × 16-Bit Page Mode **P2ROM**

## FEATURES

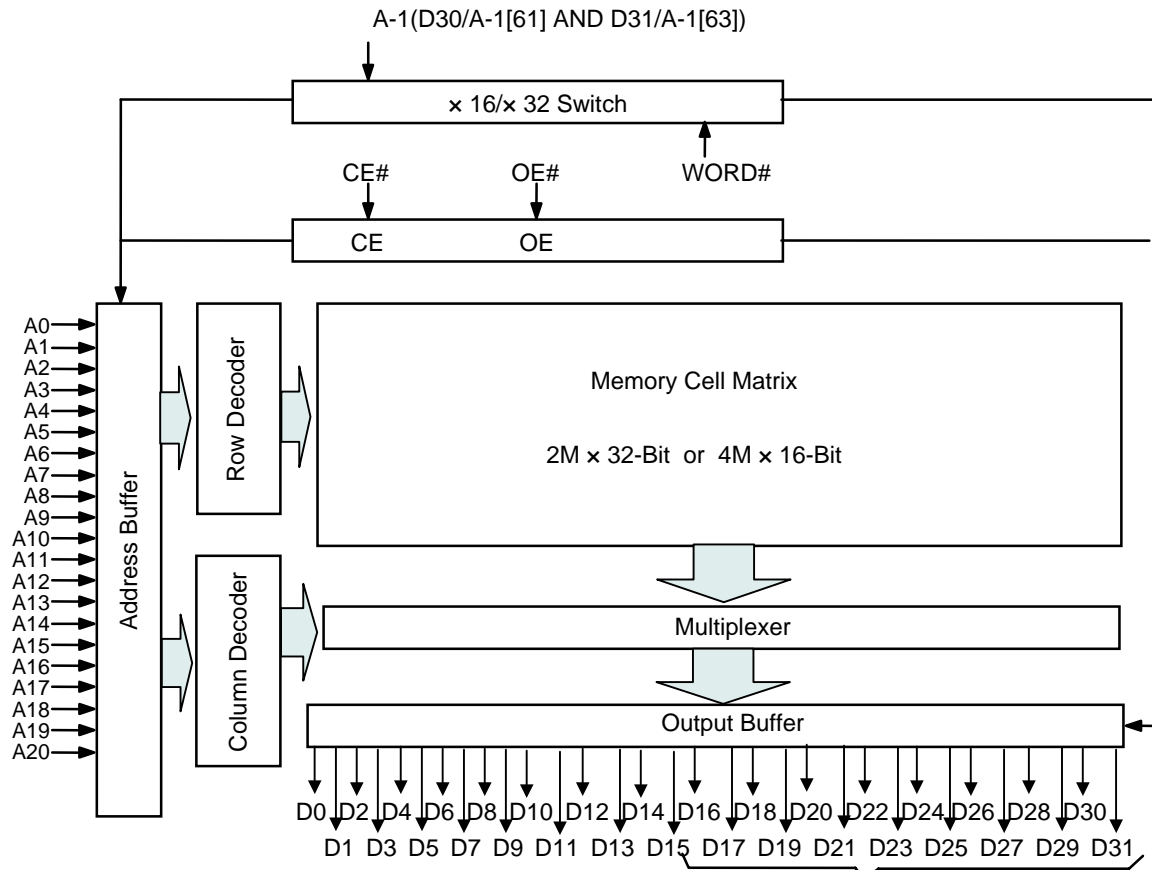
- 2,097,152-word × 32-bit / 4,194,304-word × 16-bit electrically switchable configuration
- Page size of 8-word x 32-Bit or 16-word x 16-Bit
- 3.0 V to 3.6 V power supply
- Random Access time                    100 ns MAX
- Page Access time                        30ns MAX
- Operating current                        100 mA MAX
- Standby current                         20 μA MAX
  
- Input/Output TTL compatible
- Three-state output

## PACKAGES

- MR26V6455J-xxxMB  
70-pin plastic SSOP (P-SSOP70-500-0.80-K-MC)



**BLOCK DIAGRAM**



In 16-bit output mode, these pins are placed in a high-Z state and pin D31, D30 functions as the A-1 address pin.

**PIN DESCRIPTIONS**

Pin name	Functions
D31 / A-1, D30/A-1	Data output / Address input
A0 to A20	Address inputs
D0 to D29	Data outputs
CE#	Chip enable input
OE#	Output enable input
WORD#	Word -Byte select input
V <sub>CC</sub>	Power supply voltage
V <sub>SS</sub>	Ground

**FUNCTION TABLE**

Mode	CE#	OE#	WORD#	V <sub>CC</sub>	D0 to D15	D16 to D29	D30/A-1, D31/A-1
Read (32-Bit)	L	L	H	3.3 V	D <sub>OUT</sub>		
Read (16Bit)	L	L	L		D <sub>OUT</sub>	Hi-Z	L/H
Output disable	L	H	H		Hi-Z		*
			L				
Standby	H	*	H		Hi-Z		*
			L				

\*: Don't Care (H or L)

**ABSOLUTE MAXIMUM RATINGS**

Parameter	Symbol	Condition	Value	Unit
Operating temperature under bias	T <sub>a</sub>	—	0 to 70	°C
Storage temperature	T <sub>stg</sub>		-55 to 125	°C
Input voltage	V <sub>I</sub>	relative to V <sub>SS</sub>	-0.5 to V <sub>CC</sub> +0.5	V
Output voltage	V <sub>O</sub>		-0.5 to V <sub>CC</sub> +0.5	V
Power supply voltage	V <sub>CC</sub>		-0.5 to 5	V
Power dissipation per package	P <sub>D</sub>	T <sub>a</sub> = 25°C	1.0	W
Output short circuit current	I <sub>OS</sub>	—	10	mA

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
V <sub>CC</sub> power supply voltage	V <sub>CC</sub>	V <sub>CC</sub> = 3.0 to 3.6 V	3.0	—	3.6	V
Input "H" level	V <sub>IH</sub>		2.2	—	V <sub>CC</sub> +0.5*	V
Input "L" level	V <sub>IL</sub>		-0.5**	—	0.6	V

Voltage is relative to V<sub>SS</sub>.\* : V<sub>CC</sub>+1.5V(Max.) when pulse width of overshoot is less than 10ns.

\*\* : -1.5V(Min.) when pulse width of undershoot is less than 10ns.

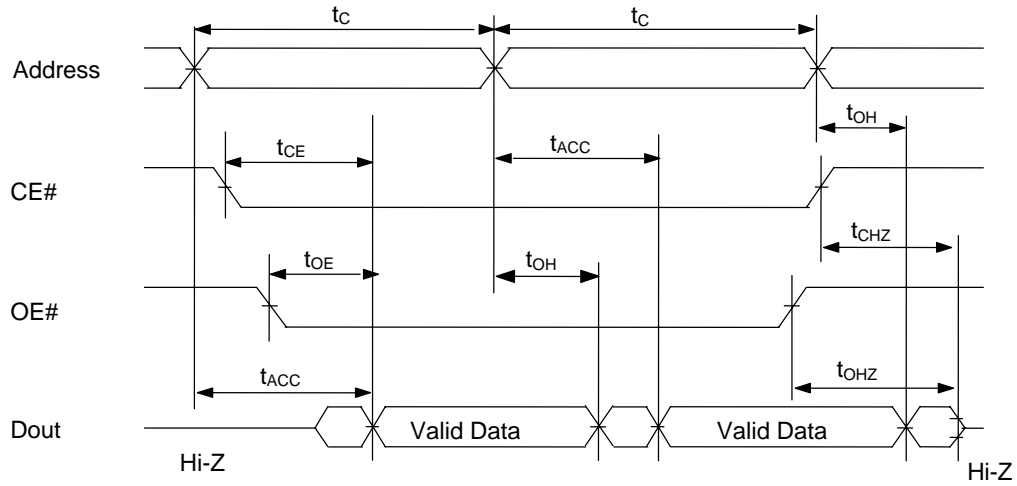
**PIN CAPACITANCE**(V<sub>CC</sub> = 3.3 V, T<sub>a</sub> = 25°C, f = 1 MHz)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Input	C <sub>IN1</sub>	V <sub>I</sub> = 0 V	—	—	20	pF
WORD#	C <sub>IN2</sub>		—	—	400	
Output	C <sub>OUT</sub>	V <sub>O</sub> = 0 V	—	—	20	

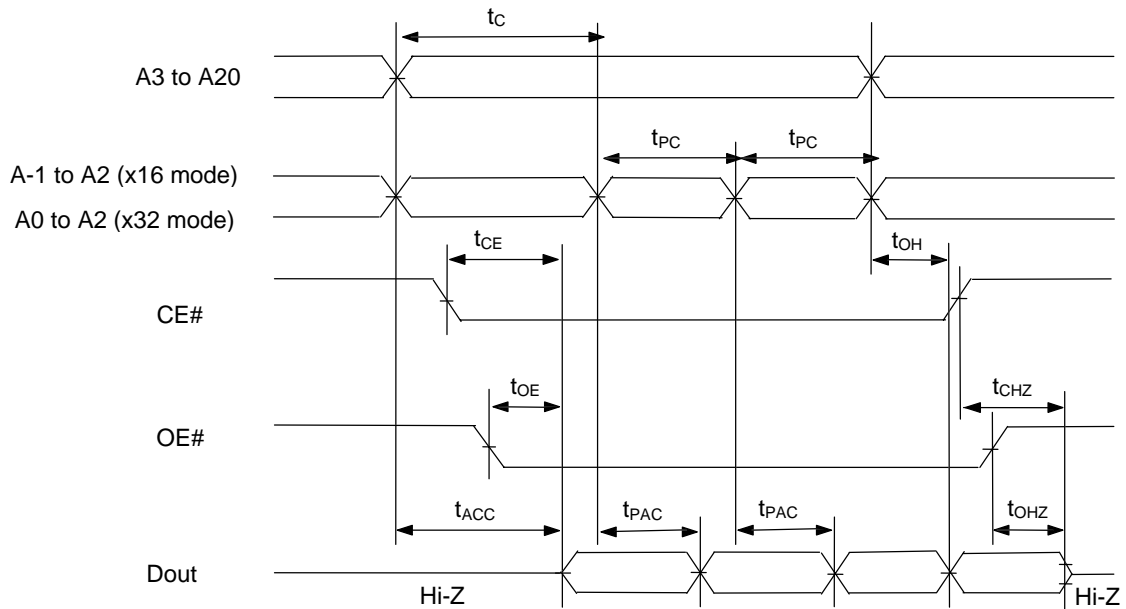


**TIMING CHART (READ CYCLE)**

Random Access Mode Read Cycle

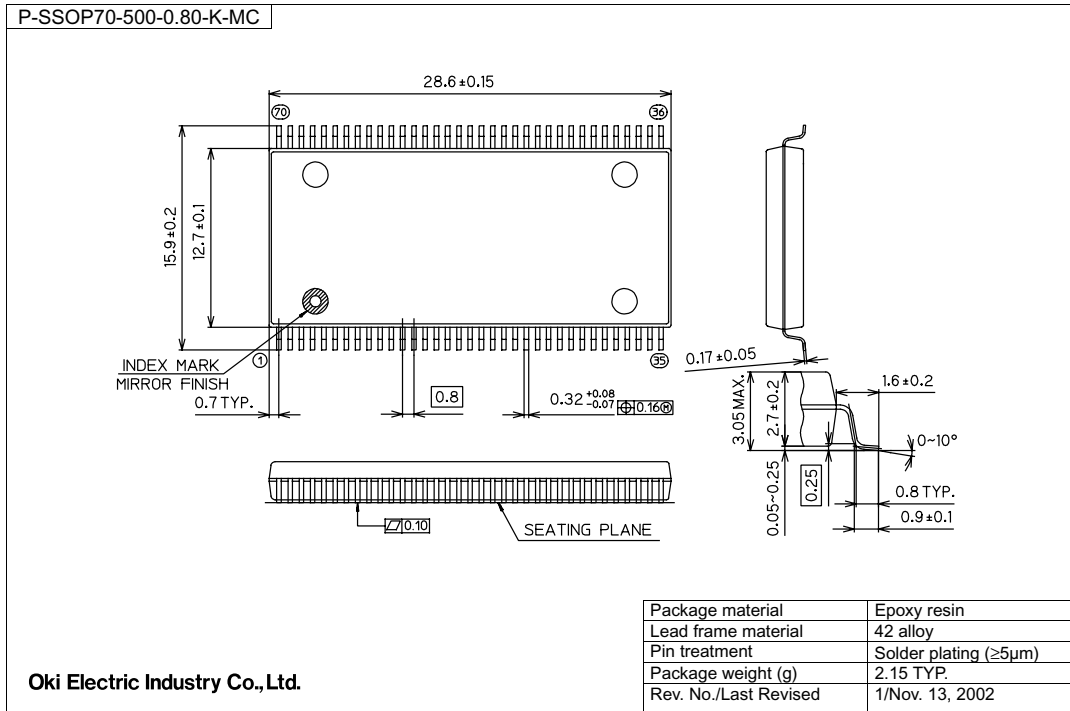


Page Access Mode Read Cycle



**PACKAGE DIMENSIONS**

(Unit: mm)



Notes for Mounting the Surface Mount Type Package

The surface mount type packages are very susceptible to heat in reflow mounting and humidity absorbed in storage.

Therefore, before you perform reflow mounting, contact Oki's responsible sales person for the product name, package name, pin number, package code and desired mounting conditions (reflow method, temperature and times).

**REVISION HISTORY**

Document No.	Date	Page		Description
		Previous Edition	Current Edition	
FEDR26V6455J-02-01	Oct.30, 2007	–	–	Final edition 1

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