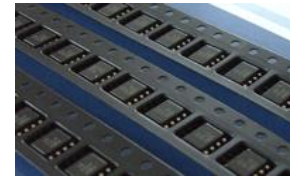


# R1E X 24 064 A SA S0 A #U0



## EEPROM

## Operation Voltage

X	1.8 to 5.5V
V	2.5 to 5.5V

## Interface

24	I2C
25	SPI

## Memory density

002	2Kbit
1	1
064	64Kbit
1	1
512	512Kbit

## Generation

A	A mask
B	B mask

## Packaging, Environmental

	Environmental	Embossed tape size (pcs/real)	
		SOP-8pin	TSSOP-8pin
#U0	Pb free, Halogen free	2,500	3,000
#K0	Pb free, Halogen free	4,000	5,000
#S0	Pb free	2,500	3,000

## Quality grade

A	Consumer	85 deg C
I	Industry	85 deg C
G	Industry	105 deg C
K	Automotive	125 deg C

## Function

I2C	S0(Fix)
SPI	00(Fix)

## Package type

SA	SOP-8pin
TA	TSSOP-8pin



## Serial EEPROM (R1E series)

Example shown here: Part number R1EX24064ASAS0A#U0

# HN58 X 25 256 FP I AG E



EEPROM

Operation Voltage

X	1.8 to 5.5V
V	2.5 to 5.5V

Interface

24	I2C
25	SPI

Memory density

002	2Kbit
	?
256	256Kbit
	?
1000	1Mbit

Packaging, Environmental

E	Embossed tape	Pb free
Blank	Embossed tape	Non Pb free

Quality grade

AG	Industry
Blank	Consumer

Temperature range

I	-40 to 85 deg C
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Package type

FP	SOP-8pin
T	TSSOP-8pin



## Serial EEPROM (HN58 series)

Example shown here:  
Part number HN58X25256FPIAGE

# HN58 C 256 A T I 85 E

# HN58 C 257 A T 85 SR E

EEPROM

Environmental

<b>E</b>	Pb free
<b>Blank</b>	Non Pb free

Operation Voltage

<b>C</b>	4.5 to 5.5V
<b>V</b>	2.7 to 5.5V

Temperature range

<b>I</b>	-40 to 85 deg C
<b>SR</b>	-20 to 85 deg C
<b>Blank</b>	0 to 70 deg C

Memory density

<b>65</b>	64Kbit	
<b>66</b>	64Kbit	With reset function
<b>256</b>	256Kbit	
<b>257</b>	256Kbit	With reset function
<b>1001</b>	1Mbit	With reset function

Access time

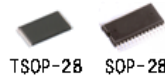
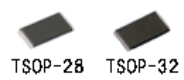


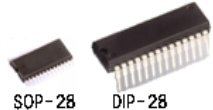

<b>85</b>	85ns
<b>10</b>	100ns
<b>12</b>	120ns
<b>15</b>	150ns
<b>25</b>	250ns

Generation

<b>R</b>	1st generation
<b>A</b>	2nd generation

Package type

<b>FP</b>	SOP
<b>T</b>	TSOP type- I
<b>P</b>	DILP

I/F	64Kb (8Kx8b)	256Kb (32Kx8b)	1Mb (128Kx8b)
x8b	 TSOP-28 SOP-28	 TSOP-28 TSOP-32	 TSOP-32
	 DIP-28	 SOP-28 DIP-28	 SOP-32

Example shown here:

Part number HN58C256ATI85E, HN58C257AT85SRE

## Parallel EEPROM