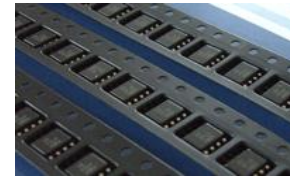


R1E X 24 064 A SA S0 A #U0



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

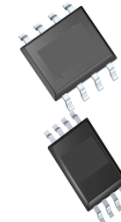
| | | |
|---|------------|-----------|
| A | Consumer | 85 deg C |
| I | Industry | 85 deg C |
| G | Industry | 105 deg C |
| K | Automotive | 125 deg C |

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

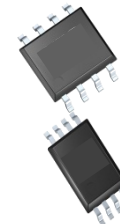
| | |
|-------|----------|
| AG | Industry |
| Blank | Consumer |

Temperature range

| | |
|---|-----------------|
| I | -40 to 85 deg C |
|---|-----------------|

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

| | |
|--------------|-------------|
| E | Pb free |
| Blank | Non Pb free |

Operation Voltage

| | |
|----------|-------------|
| C | 4.5 to 5.5V |
| V | 2.7 to 5.5V |

Temperature range

| | |
|--------------|-----------------|
| I | -40 to 85 deg C |
| SR | -20 to 85 deg C |
| Blank | 0 to 70 deg C |

Memory density

| | | |
|-------------|---------|---------------------|
| 65 | 64Kbit | |
| 66 | 64Kbit | With reset function |
| 256 | 256Kbit | |
| 257 | 256Kbit | With reset function |
| 1001 | 1Mbit | With reset function |

Access time

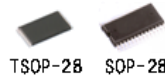
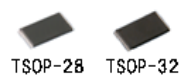


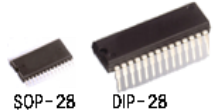

| | |
|-----------|-------|
| 85 | 85ns |
| 10 | 100ns |
| 12 | 120ns |
| 15 | 150ns |
| 25 | 250ns |

Generation

| | |
|----------|----------------|
| R | 1st generation |
| A | 2nd generation |

Package type

| | |
|-----------|--------------|
| FP | SOP |
| T | TSOP type- I |
| P | 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