

# Low Power SRAM : Part name decoder

**R1 L V 5256 E SA - 5 S I #B1**

**R1 L P 04 08 D SP - 5 S I #B1**

**RM L V 04 16 E G SB - 4 S 2 #A A 1**

RENESAS Memory

Chip configuration

|          |                     |
|----------|---------------------|
| <b>L</b> | LPSRAM, Single chip |
| <b>W</b> | LPSRAM, Two chips   |

Operating Voltage

|          |    |
|----------|----|
| <b>V</b> | 3V |
| <b>P</b> | 5V |

Memory Density

|             |            |
|-------------|------------|
| <b>5256</b> | 256Kb (x8) |
| <b>01</b>   | 1Mb        |
| <b>02</b>   | 2Mb        |
| <b>04</b>   | 4Mb        |
| <b>08</b>   | 8Mb        |
| <b>16</b>   | 16Mb       |
| <b>32</b>   | 32Mb       |
| <b>64</b>   | 64Mb       |

Bus Width

|           |     |
|-----------|-----|
| <b>08</b> | x8  |
| <b>16</b> | x16 |

Chip Generation

Industrial Grade

Package Type

|           |   |
|-----------|---|
| <b>SA</b> | TSOP-I<br>(256Kb/8Mb/16Mb/32Mb/64Mb)<br>sTSOP (1Mb/2Mb/4Mb) |
| <b>SB</b> | TSOP-II   |
| <b>SD</b> | μTSOP   |
| <b>SF</b> | TSOP-I (1Mb)  |
| <b>SP</b> | SOP (256Kb, 4Mb)  |
| <b>SN</b> | SOP (1Mb)   |
| <b>BG</b> | FBGA  |

Packing, Environmental

|                  |                  |               |
|------------------|------------------|---------------|
|                  | Packing          | Environmental |
| <b>#B0 / #B1</b> | Tray or Magazine | Pb free       |
| <b>#S0 / #S1</b> | Tape & Reel      | Pb free       |

Assembly Site Rev. , etc.

Environment

|          |                                |
|----------|--------------------------------|
| <b>A</b> | Pb free (pure-Tin plating)     |
| <b>C</b> | Pb free (non pure-Tin plating) |

|          |           |
|----------|-----------|
| <b>0</b> | Rev. Code |
| <b>1</b> | Rev. Code |

Packing

|          |                                   |
|----------|-----------------------------------|
| <b>A</b> | Tray                              |
| <b>C</b> | Magazine                          |
| <b>H</b> | Tape & Reel (TSOP-II, uTSOP, SOP) |
| <b>K</b> | Tape & Reel (FBGA, TSOP-I, sTSOP) |

Operating Temperature

|          |                  |
|----------|------------------|
| <b>R</b> | 0 to 70 deg. C   |
| <b>I</b> | -40 to 85 deg. C |
| <b>2</b> | -40 to 85 deg. C |

Stand-by current / Data retention current

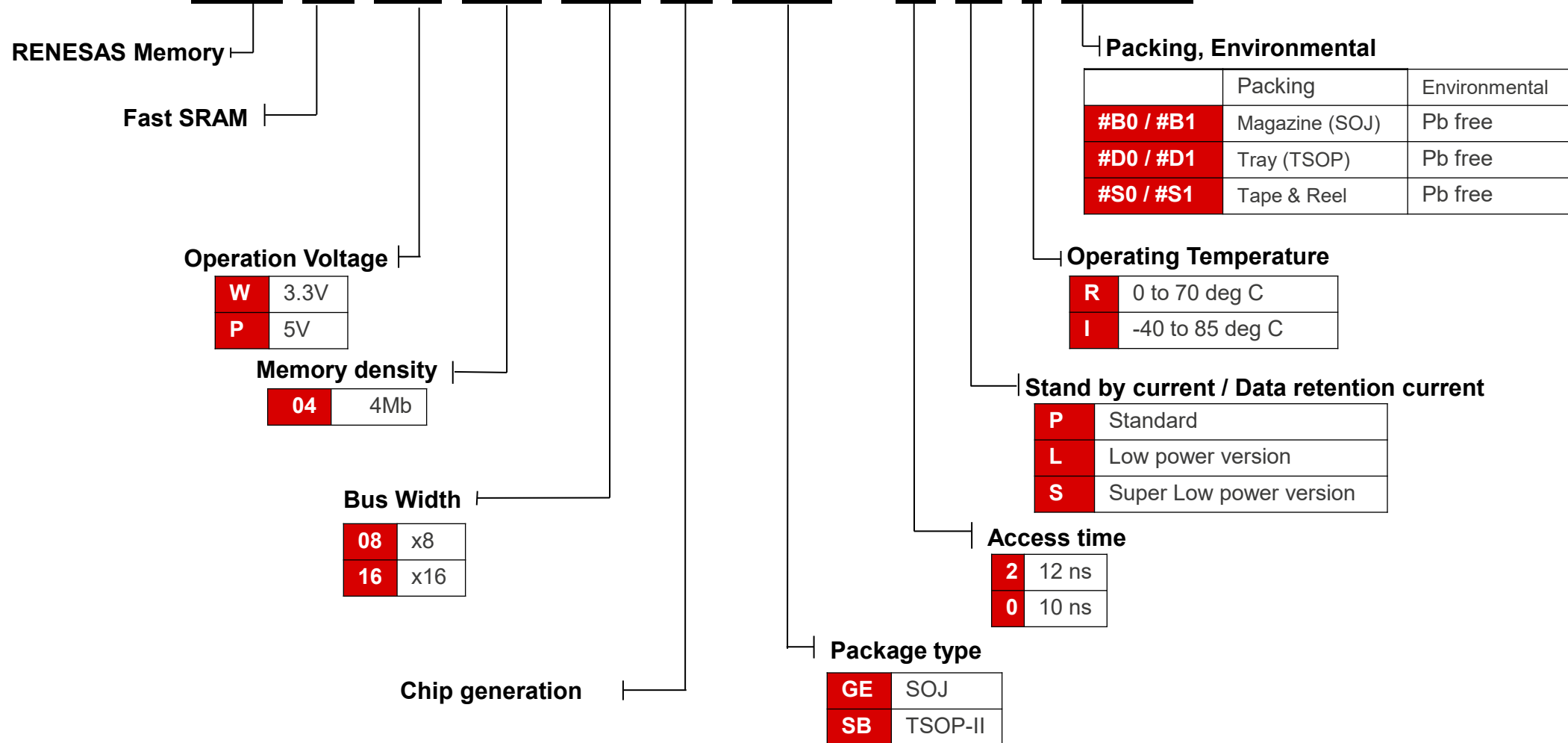
|          |                         |
|----------|-------------------------|
| <b>S</b> | Low power version       |
| <b>U</b> | Ultra Low power version |

Access time

|          |       |
|----------|-------|
| <b>5</b> | 55 ns |
| <b>4</b> | 45 ns |

# Asynchronous Fast 4Mb SRAM : Part name decoder

## R1 R W 04 16 D SB - 2 P I #D1



Example shown here: Part number R1RW0416DSB-2PI#D1