

APA256/128/6416A/B/C-N-S 256/128/64Mb Async/Page Pseudo SRAM

Features

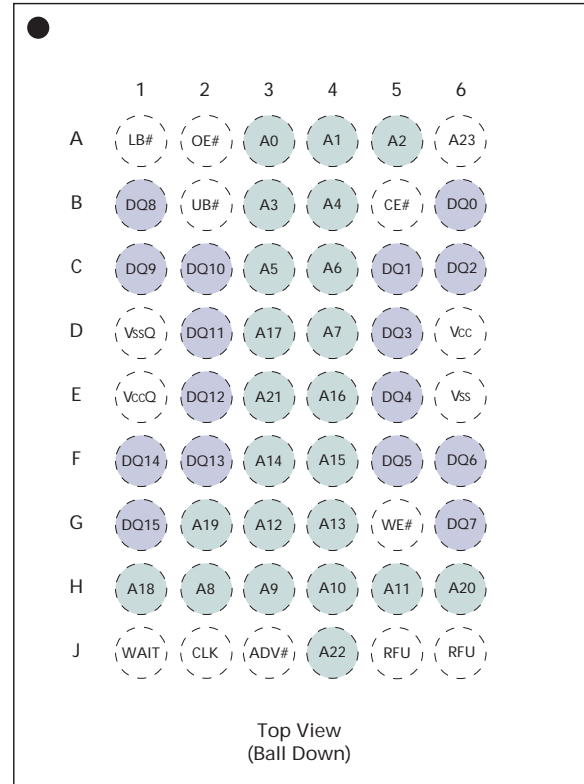
- Async/Page Mode of CellularRAM 1.5 Specification
- VCC, VCCQ voltages:
1.7V–1.95V VCC
1.7V–1.95V VCCQ
- Random access time: 70ns
- Page mode READ access:
Sixteen-word page size
Interpage READ access: 70ns
Intrapage READ access: 25ns
- Low power consumption:
Asynchronous READ: <25mA
Intrapage READ: <18mA
- Low-power features
On-chip temperature compensated refresh (TCR)

Options

- Configuration:

256Mb	16 meg x 16
128Mb	8 meg x 16
64Mb	4 meg x 16
- Vcc core voltage supply: 1.8V
- VccQ I/O voltage supply: 1.8V
- Package: 54-ball miniBGA
- Timing: 70ns access

Figure 1: Ball Assignment 54-Ball miniBGA



See Package Outline Drawing page for package dimensions.

Options (continued)

- Standby power at 85°C:
Standard (max)

64Mb	128Mb	256Mb
140µA	250µA	500µA
- Operating temperature range: 0°C to +70°C