

Description

The 64 Mb μ PD29F064115 flash memory with page-read function is optimized for ultra-low-power mobile applications such as cellular telephones, personal digital assistants (PDAs) and other portable terminals.

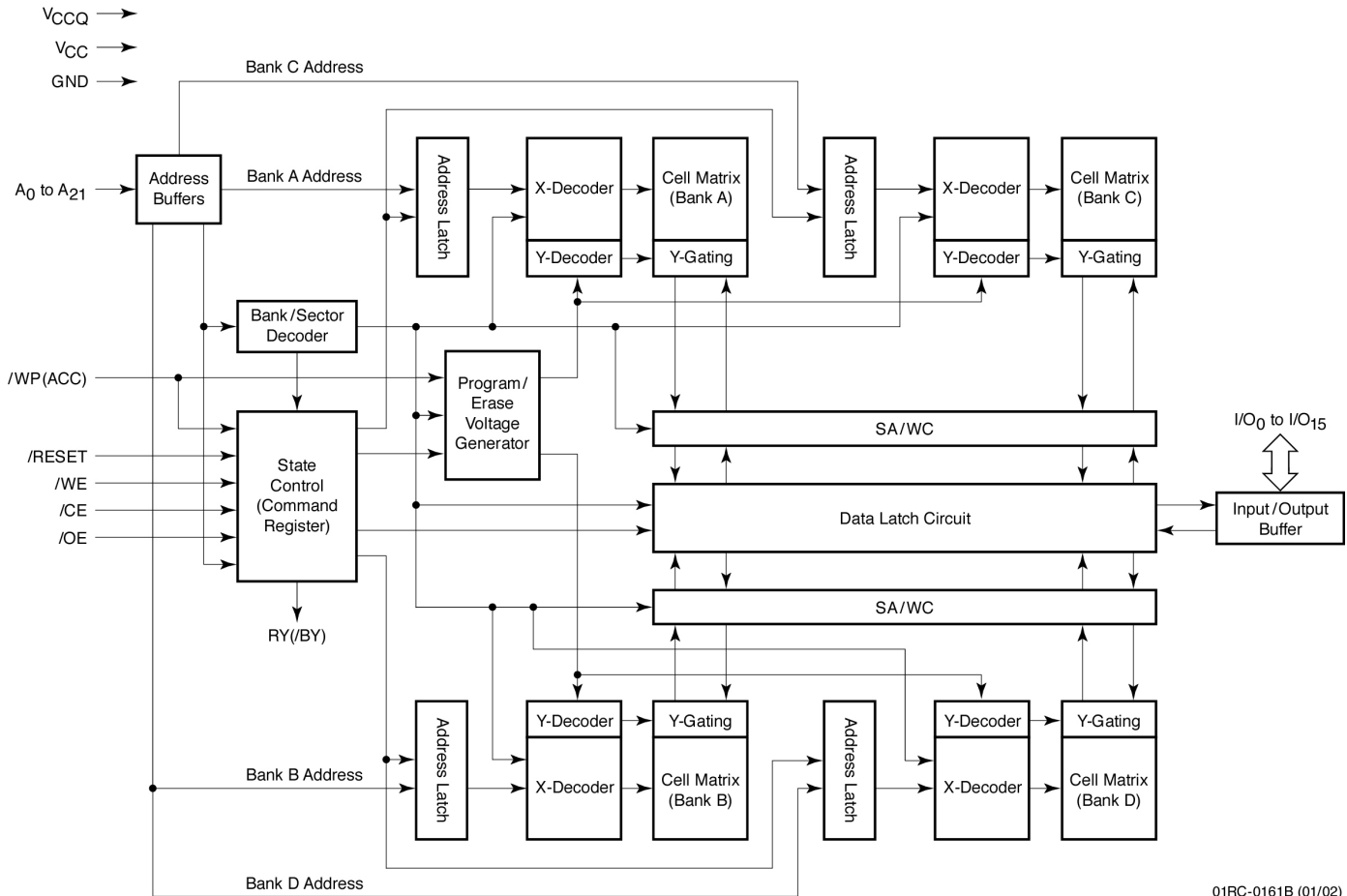
Specifications

Organization	4 Mwords x 16 bits
Sector architecture	142 sectors (4 Kwords x 16 sectors + 32 Kwords x 126 sectors)
Bank architecture	4 banks (8 Mb + 24 Mb + 24 Mb + 8 Mb)
Power supply	$V_{CC} = 1.95 \pm 0.15$ V or 1.65 ± 0.15 V; $V_{CCQ} = 3.0 \pm 0.3$ V
Random access time	85 ns* / 90 ns / 100 ns; (* $V_{CC} = 1.95 \pm 0.15$ V)
Page access time	30 ns
Package	48-pin TSOP Type I (12 mm x 20 mm) 63-ball tape FBGA (11 mm x 8 mm) 85-ball tape FBGA

Features

- $V_{CC} = 1.65$ V minimum (1.8 ± 0.15 V), one of the industry's lowest operating voltages
- High-speed page read access time of 30 ns for better performance
- Dual operation with four bank architecture to enhance flexibility
- Two 8 Mb banks with 4 Kwords x 8 boot sectors, combining conventional top- and bottom-boot architectures in one product

Block Diagram



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