

100422 256 x 4-Bit Static RAM 10 ns, 7 ns, 5 ns

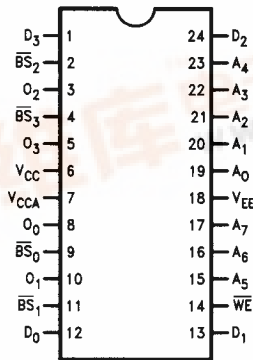
General Description

The 100422 is a 1024-bit read/write Random Access Memory (RAM), organized 256 words by four bits per word. It is designed for high-speed scratchpad, control and buffer storage applications. The device features full on-chip address decoding, separate Data Input and non-inverting Data Output lines, as well as four active-LOW Bit Select lines.

Features

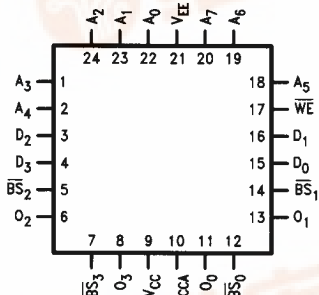
- Address access time—5 ns/7 ns/10 ns max
- Bit select access time—4 ns/5 ns/5 ns max
- Four bits can be independently selected
- Open-emitter outputs for easy memory expansion
- Polyimide die coat for alpha immunity

Connection Diagrams

24-Pin Ceramic Dual-In-Line Package

Top View

**Order Number 100422DC5,
100422DC7 or 100422DC10
See NS Package Number J24E***

*For most current package information, contact product marketing.

24-Pin Ceramic Flatpak

Top View

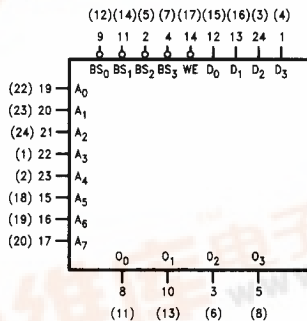
TL/D/9643-3

**Order Number 100422FC5, 100422FC7 or 100422FC10
See NS Package Number W24B***

*For most current package information, contact product marketing.

Optional Processing, QR = Burn-In

Logic Symbol



V_{CC} = Pin 6 (9)
V_{CCA} = Pin 7 (10)
V_{EE} = Pin 18 (21)
() = Flatpak

TL/D/9643-1

Pin Names

WE	Write Enable Input (Active LOW)
BS ₀ –BS ₃	Bit Select Inputs (Active LOW)
A ₀ –A ₇	Address Inputs
D ₀ –D ₃	Data Inputs
O ₀ –O ₃	Data Outputs