CMOS vs NMOS:

RCA's entire line of CMOS microprocessors and memories offers you design flexibility not available with NMOS devices.

Automotive. CMOS provides higher noise immunity and extended temperature operation over NMOS. CMOS makes the RCA 1802 microprocessor a natural for under-the-hood use.

Data terminals. Lower power drain has made our CMOS microprocessor/memory components the logical choice in battery operated devices, such as portable data terminals.

The RCA 1800 series is the broadest CMOS microprocessor/memory line in the industry. And all devices are designed to interface directly with one another. So you don't need extra interface circuitry.

At the heart of our system is the 1802 microprocessor, an 8-bit central processing unit designed for general purpose computing or for use as a controlling element.

Wondering about support devices? Here's our entire line-up.

RAMs.

All parts are fully static, capable of driving TTL, and have industry standard pin-out.

Some can even operate at 10 volts.

CD4036A	4 × 8
CD4039A	4 × 8
CD4061A	256 × 1
CD40061	256 × 1
CD40114B	16 × 4
CDP1821	1K × 1
CDP1822	256 × 4
MWS5101	256 × 4
CDP1823	128 × 8
CDP1824	32 × 8
MWS5114	1K × 4

ROMs.

All parts are fully static, capable

of driving TTL, and all can operate at 10 volts.

We have both 1802 compatible (odd numbers on list below) and industry compatible devices (even numbers).

For 1802 compatible devices, we offer an optional programmable location within the memory map.

CDP1831	512 × 8
CDP1832	512 × 8
CDP1833	1K × 8
CDP1834	1K × 8

I/Os.

CDP1851	Programmable I/O
CDP1852	I/O Port
CDP1853	N-Bit 1 of 8 Decoder
CDP1854	UART
CDP1854A	High Speed UART
CDP1855	Multiply/Divide Unit
CDP1856	Bus Buffer/Separator
CDP1857	Bus Buffer/Separator
CDP1858	4 Bit Latch/Decoder
CDP1859	4 Bit Latch/Decoder
CDP1861	Video Display Controller
CDP1862	Color Generator Controller
CDP1863	Programmable Frequency Gen.
CDP1864	PAL Compatible Color Interface
CDP1866	1K × 4 Latch/Decoder
CDP1867	4K × 1 Latch/Decoder
CDP1868	4K TV Game Latch/Decoder

Coming soon.

CDP1804	8 Bit Micro Computer
CDP1842	256 × 8 EEPROM
CDP1869	Address and Sound Generator
CDP1870	Video Generator
CDP1871	Keyboard Encoder

Support systems.

RCA has a lot more to offer than just components. We'll back you up with a complete hardware/software system.

Including: high level languages, our CDOS Development System, and a Micromonitor.
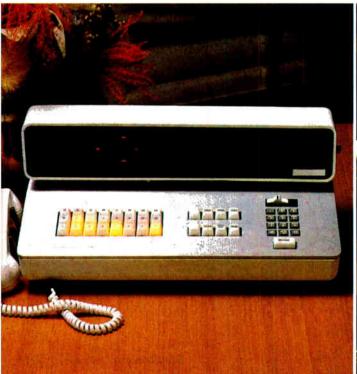
For more information, contact your local RCA Solid State Distributor.

Or contact RCA Solid State headquarters in Somerville, New Jersey. Brussels, Belgium. Tokyo, Japan.

Communications. CMOS can tolerate far greater variations in supply voltage than NMOS. This feature gives the RCA 1800 series an edge for communications applications.

Aviation. High noise immunity, wide voltage range, extended temperature range, and battery back-up come together to provide the performance demanded in aircraft navigation.