



**INTEL
INTEGRATED CIRCUITS**
8080A Family and
828X Series

The 8080A microprocessor and its family of support peripherals was developed by Intel for military applications.

MAXIMUM RATINGS

| Rating | Value | Unit |
|-----------------------------|-------------|------|
| Case Temperature Under Bias | -55 to +125 | °C |
| Storage Temperature | -65 to +150 | °C |
| Power Supply Tolerance | ±10 | % |

PACKAGING AVAILABLE

(See page 87):

| | |
|------------------------|------------------------|
| E -16-LEAD DUAL INLINE | R- 20-LEAD DUAL INLINE |
| J -24-LEAD DUAL INLINE | V- 18-LEAD DUAL INLINE |
| Q -40-LEAD DUAL INLINE | Y- 28-LEAD DUAL INLINE |

FUNCTIONS AND CHARACTERISTICS

| FUNCTION | TYPE/PKG | POWER DISSIPATION | OUTPUT CURRENT mA |
|---|----------|-------------------|-------------------|
| 8-Bit N-Channel Microprocessor | 8080A/Q | 1.7W | — |
| 8-Bit Input/Output Port | 8212/J | — | 100 |
| Priority Interrupt Control Unit | 8214/J | — | 100 |
| 4-Bit Parallel Bidirectional Bus Driver | 8216/E | — | 125 |
| System Controller and Bus Driver | 8224/E | — | 100 |
| 4-Bit Parallel Bidirectional Bus Driver | 8226/E | — | 125 |
| System Controller and Bus Driver | 8228/Y | — | 100 |
| Octal Latch | 8282/R | 1.0W | — |
| Octal Latch | 8283/R | 1.0W | — |
| Clock Generator and Driver | 8284A/V | 1.0W | — |
| Octal Bus Transceiver | 8286/R | 1.0W | — |
| Octal Bus Transceiver | 8287/R | 1.0W | — |
| Bus Controller | 8288/R | 1.5W | — |
| Bus Arbiter | 8289/R | 1.5W | — |