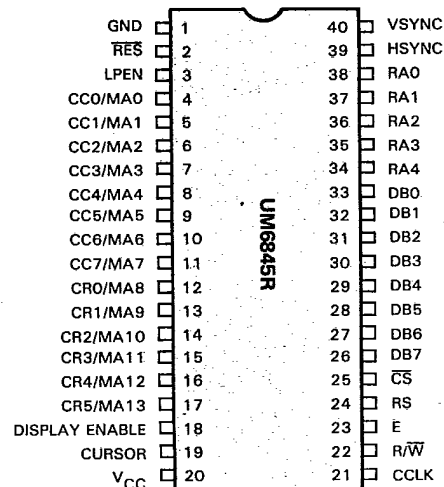


## UM6845R CRT Controller

### FEATURES

- Single +5 Volt ( $\pm 5\%$ ) Power Supply.
- Alphanumeric and Limited Graphics Capabilities.
- Fully Programmable Display (Rows, Columns, Blanking, etc.).
- Interlaced or Non-interlaced Scan.
- 50/60 Hz Operation.
- Fully Programmable Cursor.
- External Light Pen Capability.
- Capable of Addressing up to 16K Character Video Display RAM.
- No DMA Required.
- Compatible with MC6845R.
- Straight-binary Addressing for Video Display RAM.

### PIN CONFIGURATION



## UM6845E CRT Controller

### FEATURES

- Single +5 Volt ( $\pm 5\%$ ) Power Supply.
- Alphanumeric and Limited Graphics Capabilities.
- Fully Programmable Display (Rows, Columns, Blanking, etc.).
- Interlaced or Non-interlaced Scan.
- 50/60 Hz Operation.
- Fully Programmable Cursor.
- External Light Pen Capability.
- Capable of Addressing up to 16K Character Video Display RAM.
- No DMA Required.
- Pin-compatible with MC6845R.
- Row/Column or Straight-binary Addressing for Video Display RAM.
- Video Display RAM May be Configured as Part of Microprocessor Memory Field or Independently Slaved to UM6845.
- Internal Status Register.
- 3.7 MHz Character Clock.
- Transparent Address Mode.

### PIN CONFIGURATION

