

# SC11453/SC11456

## 66 MHz Monolithic CMOS

### 256 x 24/12 Color Palette

#### GENERAL DESCRIPTION

The SC11453 and SC11456 are pin- and software-compatible color pallets designed specifically for high resolution color graphics.

The SC11453 has a 256 x 24 color lookup table with triple 8-bit video D/A converters, supporting up to 259 simultaneous colors from a 16.8 million color palette. The SC11456 has a 256 x 12 color lookup table with triple 4-bit video D/A converters, supporting up to 259 simultaneous colors from a 4,096 color palette. Three overlay registers provide for overlaying cursors, grids, menus, etc. The MPU bus operates asynchronously to the video data, simplifying the design interface to the system.

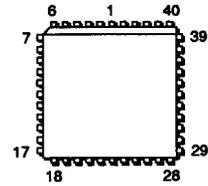
The SC11453 and SC11456 generate RS-343A compatible red, green, and blue video signals, and are

#### FEATURES

- 66 MHz Pipelined Operation
- Triple 8-bit(4-bit) D/A Converters
- 256 x 24(12) Color Palette RAM
- 3 x 24(12) Overlay Palette
- RS-343A Compatible RGB Outputs
- Standard MPU Interface
- Single 5-Volt CMOS Monolithic Construction
- Power Dissipation 750 mW

capable of driving doubly-terminated 75  $\Omega$  coax directly, without requiring external buffering. See the ordering number information for available packaging options.

#### 44-PIN PLCC PACKAGE



#### 40-PIN DIP PACKAGE



#### BLOCK DIAGRAM

