

MN5177

Color Video Camera Synchronizing Signal Generator LSI

■ Overview

The MN5177 generates color video camera synchronizing signals for the NTSC, PAL, and SECAM video systems.

It divides the reference frequency to generate the horizontal synchronizing signal f_H , the vertical synchronizing signal f_V , and the composite synchronizing signal.

A built-in $4f_{SC}$ crystal oscillator circuit divides the frequency by four to generate the color subcarrier frequency signals SC1 and SC2.

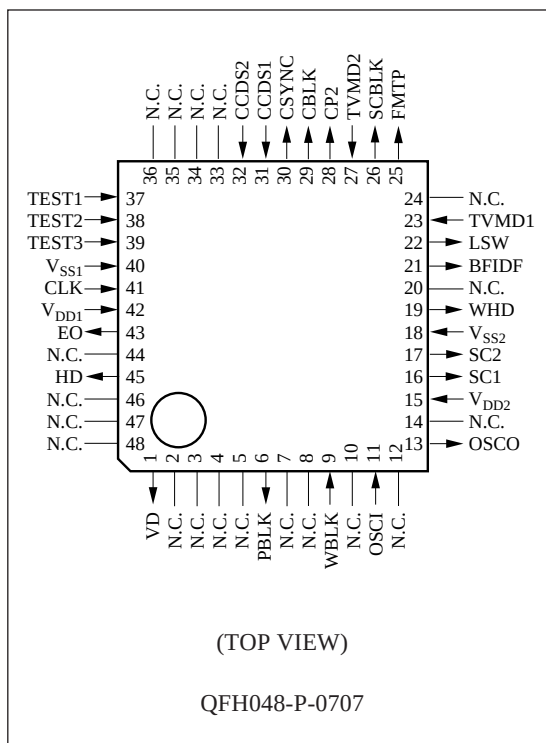
■ Features

- Supports CCDs with 420, 510, 590, and 670 H pixels
- Supports NTSC, PAL, and SECAM video systems
- Provides a 25 kHz offset for the PAL video system
- Includes built-in oscillator circuit using external crystal
- Generates 14 signals, including the horizontal and vertical synchronizing signals and the color subcarrier frequency signals.
- Operating voltage 5V

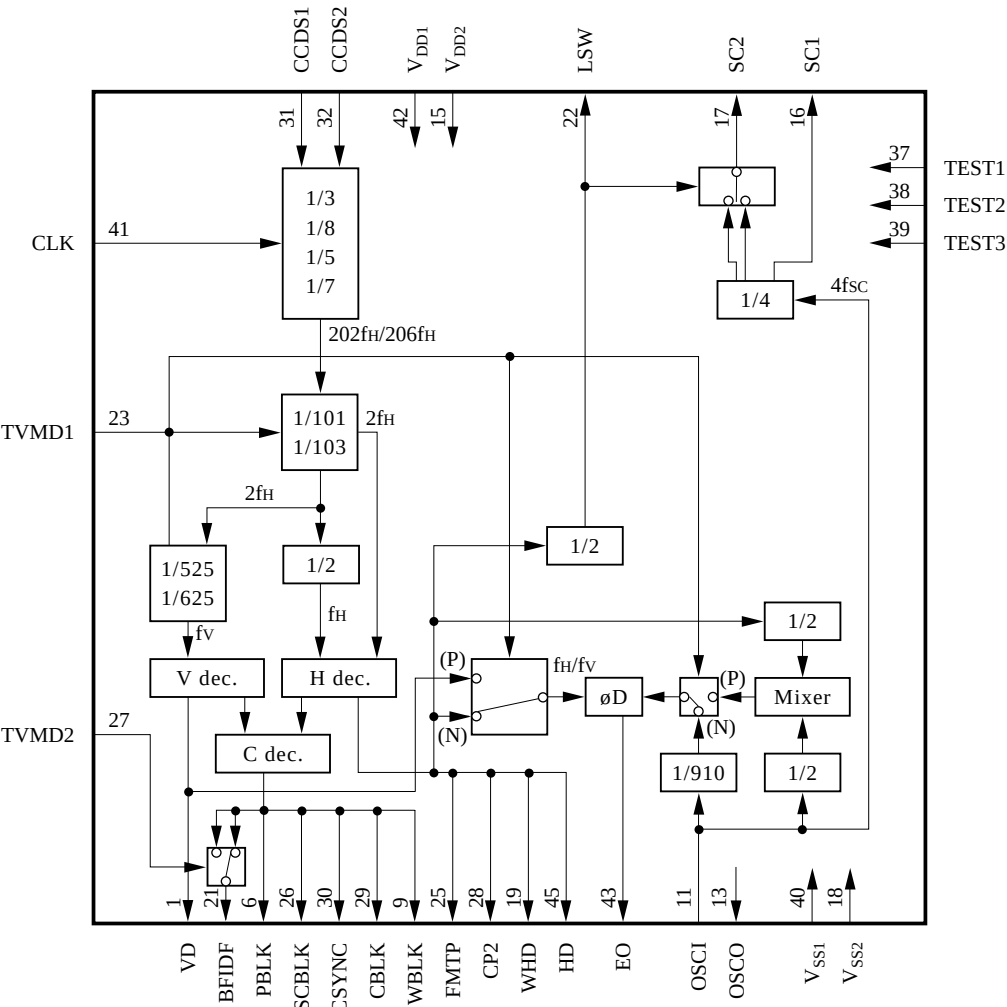
■ Applications

- Color video cameras

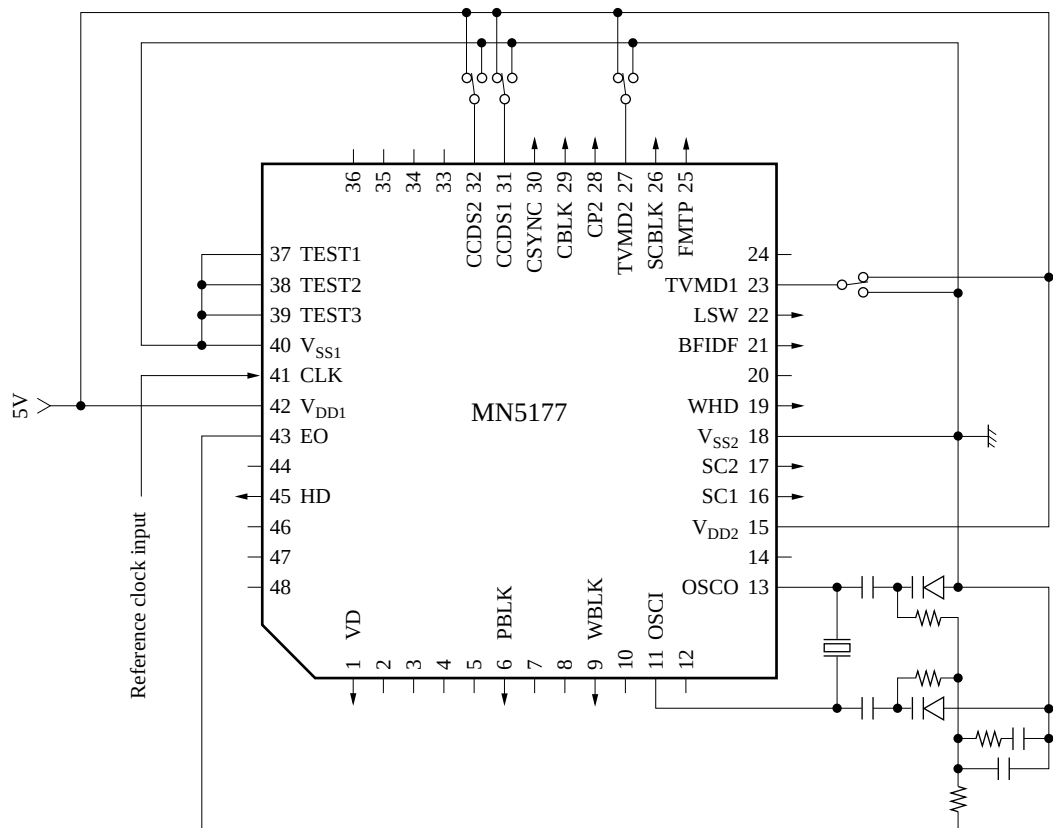
■ Pin Assignment



■ Block Diagram



■ Application Circuit Example



■ Package Dimensions (Unit: mm)

QFH048-P-0707

