

MN5179H

1/3 Type 510H-IT CCD Drive Logic LSI

■ Overview

This LSI drives a 1/3 type 510H interline transfer CCD solid imaging element. It automatically generates the necessary HD and VD synchronization signals from the f_{CK} input (9.53 MHz for NTSC, 9.66 MHz for PAL).

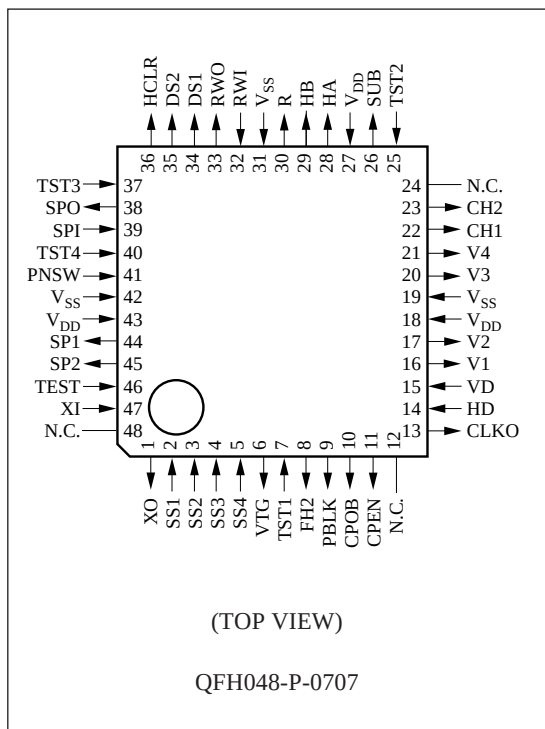
■ Features

- Supports both NTSC and PAL systems
 - Applicable CCDs: MN3716 (NTSC) and MN3726 (PAL)
- Electronic shutter modes
 - 1/100 s (NTSC), 1/60 s (PAL), 1/125 s, 1/250 s, 1/500 s, 1/1000 s, 1/2000 s, 1/4000 s, 1/10000 s
 - Normal mode: NTSC (1/60 s), PAL (1/50 s)
- Permits setting, with control pulses, of shutter time for each horizontal line.
- Supported colorization modes
 - Single-plane color difference sequential method, field integration mode
 - Color filter: Mg-G inverter
- Operating voltage 5V

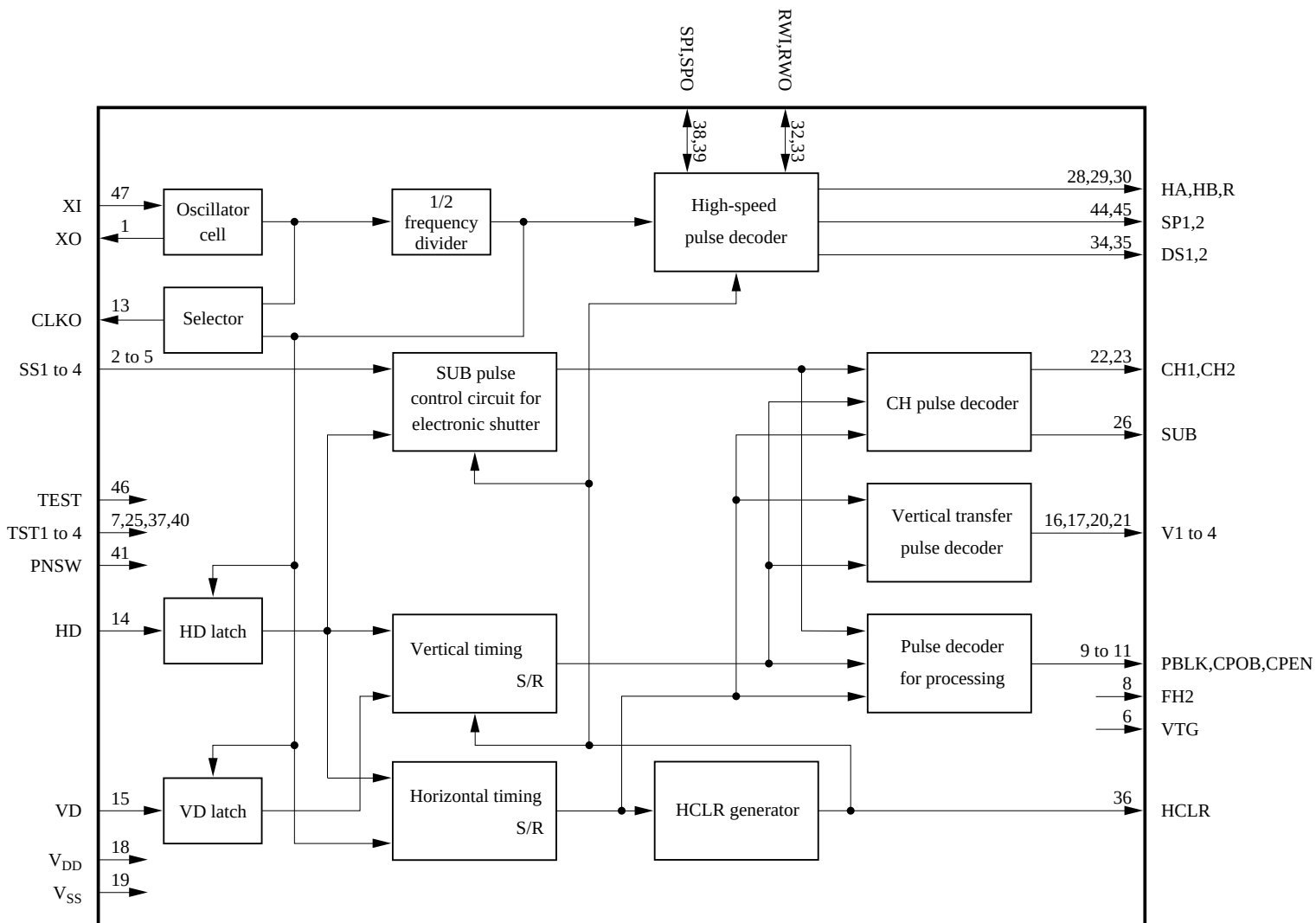
■ Applications

- Video cameras

■ Pin Assignment



■ Block Diagram



■ Package Dimensions (Unit: mm)

QFH048-P-0707

