



STEVAL-CCA004V1

Video buffer and filter with SAG correction based on the TSH120

Data Brief

Features

- Very low consumption in active and standby mode
- Internal reconstruction filter
- Internal gain of 6 dB
- Rail-to-rail output
- Operating supply voltage from +2.2 V to +5.5 V
- SAG correction
- Excellent video performance
 - Differential gain: 0.5 %
 - Differential phase: 0.5°
- Group delay=10 ns
- Specified for 150 Ω load
- Input DC level shifter

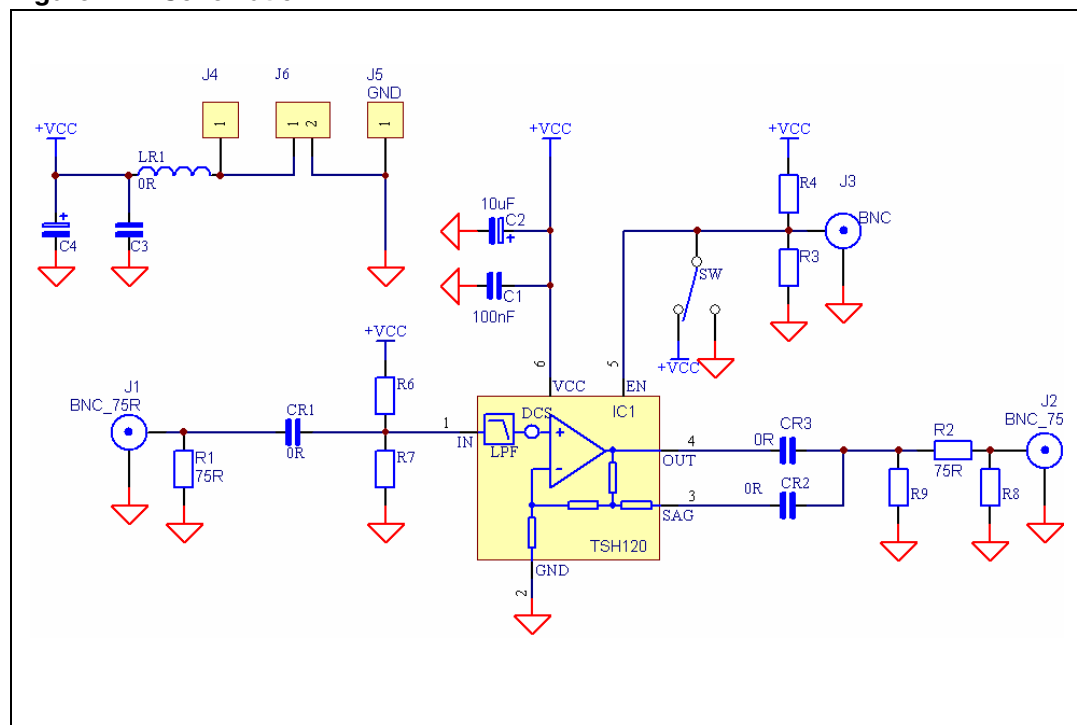


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Description

This evaluation board is based on the TSH120 video buffer. The TSH120 includes a voltage feedback amplifier with an internal gain of 6 dB, rail-to-rail output, internal input biasing and SAG correction. A power-down function provides a sleep mode with ultra low power consumption.

1 Circuit schematic

Figure 1. Schematic

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
06-Feb-2008	1	Initial release.

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