



STEVAL-CCA015V1

Triple video buffer with filter for HD demonstration board based on the TSH346

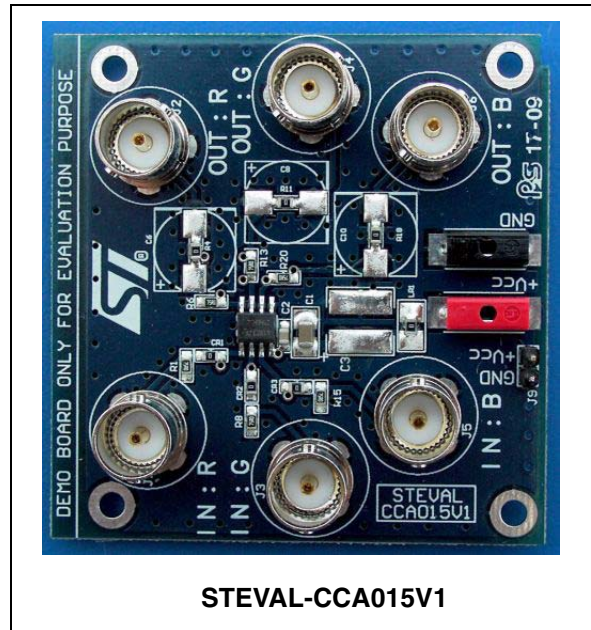
Data brief

Features

- 4.5 V to 5.5 V single supply operation
- R-G-B, Y-Pb-Pr, Y-C-CVBS, HD driving
- 3 channels with 6 dB gain buffer
- 3 video reconstruction filters for HD
- 3 internal input DC level shifter
- No input capacitor is required
- Very low harmonic distortion
- Each output can drive AC/DC coupled 150 Ω loads
- Tested on 5 V power supply
- RoHS compliant

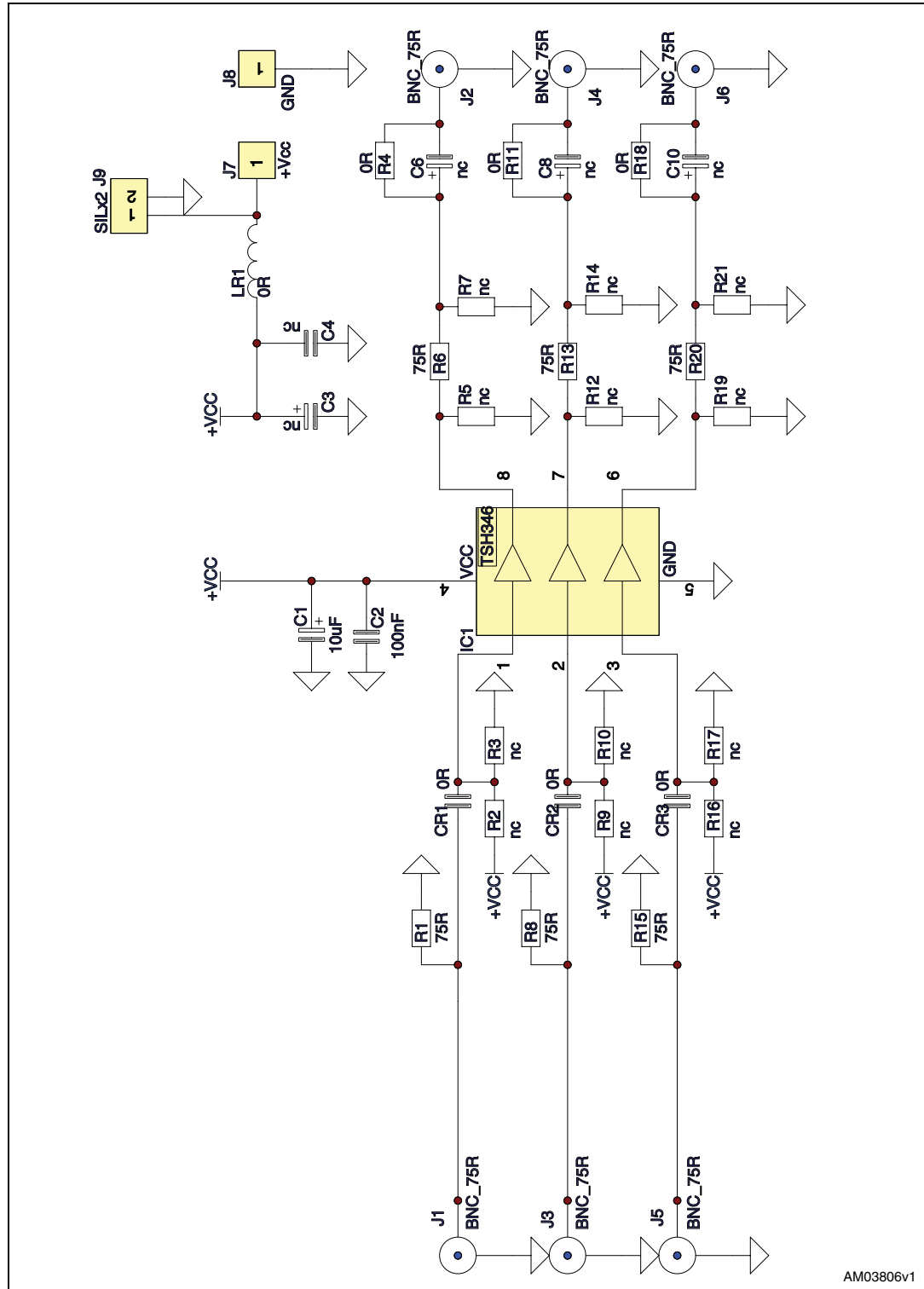
Description

This demonstration board is designed to evaluate the TSH346, a single supply triple video buffer featuring an internal gain of 6 dB and an internal low pass filter of 36 MHz cut-off frequency for each channel to fit with high definition requirements for video line interfaces.



1 Circuit schematics

Figure 1. Schematic diagram



AM03806v1

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
11-Jun-2009	1	Initial release.

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