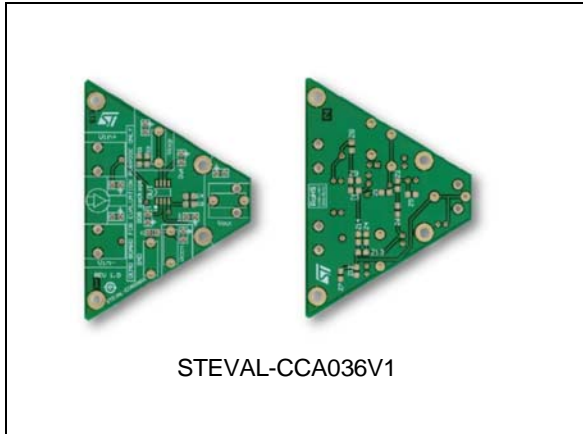


Demonstration board for single channel op-amp in SO8 package

Data brief



Features

- This demonstration board with its components allow it to be configured as:
 - Low-pass Sallen-Key circuit
 - High-pass Sallen-Key circuit
 - Differential amplifier
 - AC-coupled circuit
 - In-loop compensation circuit
 - Out-of-loop compensation circuit
 - Numerous other possible configurations not described here
- RoHS compliant

Description

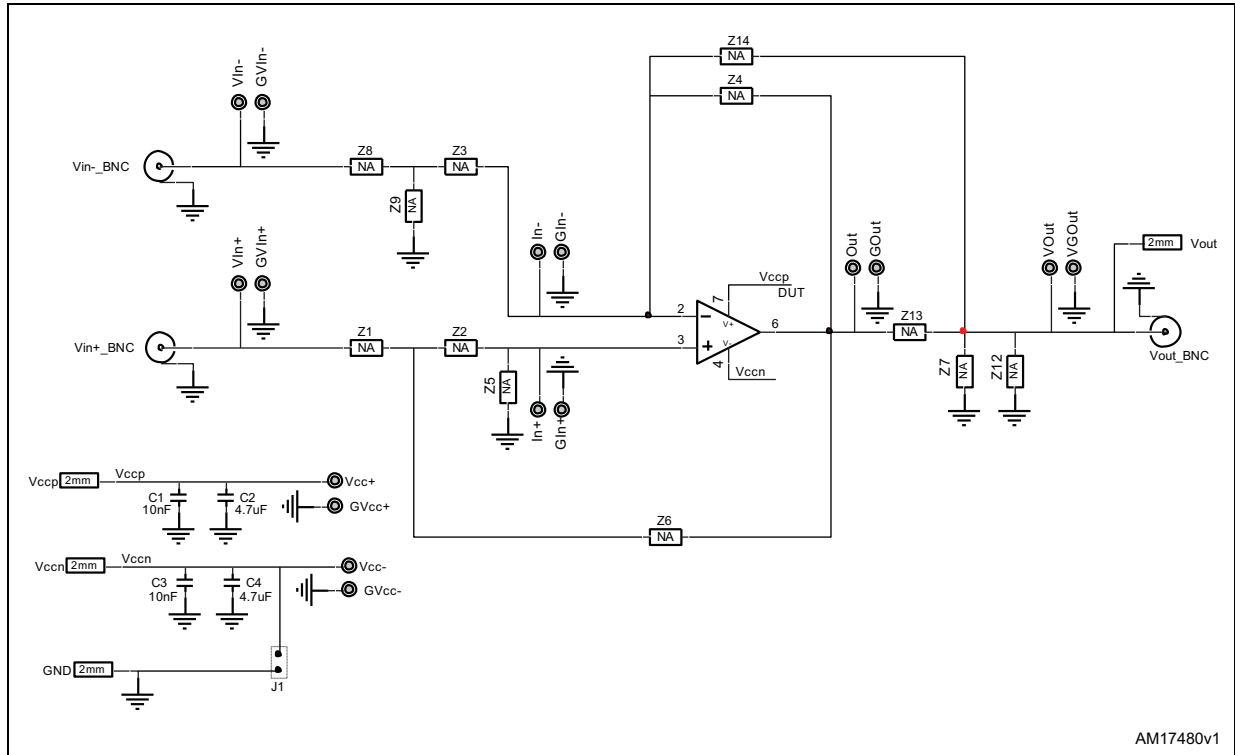
The STEVAL-CCA036V1 demonstration board is designed to help characterize single operational amplifiers in SO8 packages.

With this board, the most common op-amp based circuits can be achieved.

The board is designed for surface-mounted components and can be used to perform onboard characterization prior to the integration of STMicroelectronics' products in your designs. Resistor and capacitor footprints are implemented for the 0805 series. A set of two decoupling capacitors have been implemented on both power supply pins so as to benefit from the maximum performances of ST products. In order to reject a wide range of frequencies, 10 nF and 4.7 μ F are good values for these capacitors.

1 Schematic diagram

Figure 1. STEVAL-CCA036V1 internal circuit



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
07-Jun-2013	1	Initial release.

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