

DATA RECEIVING CIRCUIT, DATA RECEIVING SYSTEM AND MEMORY DEVICE

ABSTRACT

Embodiments provide a data receiving circuit, a data receiving system, and a memory device. The data receiving circuit includes a first amplifier module and a second amplifier module. The first amplifier module is configured to receive a data signal, a first reference signal and a second reference signal, perform a first comparison between the data signal and the first reference signal and output a first signal pair, and perform a second comparison between the data signal and the second reference signal and output a second signal pair. The second amplifier module is configured to select to receive the first signal pair or the second signal pair as input signal pairs based on a feedback signal, amplify a voltage difference between the input signal pairs, and output a first output signal and a second output signal, wherein the feedback signal is obtained based on previously received data. Embodiments are at least beneficial to improving receiving performance of the data receiving circuit.

[Fig. 4]