

# Digitally Controlled Electronic Potentiometer

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## Abstract

*This document presents an electronic device designed to emulate the operation of a conventional electro-mechanical potentiometer which also allows the fully electronic interfacing and control with digital signals. Special attention was given to the practical aspects of the solution as simplicity, flexibility and performance are of outmost importance while the low costs are a necessity. The fully electronic potentiometer was designed as a replaceable item usable in all commercial and industrial applications.*

## Biography

Ovidiu-Florin BOTOȘ was born on 9<sup>th</sup> of April 1990 in Reghin, Mureș County, Romania. He graduated gymnasium in 2005 at Gimnaziul de Stat „Augustin Maior” Reghin, after which the high-school diploma was obtained in 2009 at Grup Școlar „Petru Maior,, Reghin, class of Mathematics-Informatics (Computer science). Starting from 2009 he was a student at the Faculty of Mechanical Engineering, Technical University of Cluj-Napoca, obtaining a university degree in Automotive Engineering in 2013. In June 2010 he was awarded the Cambridge Certificate in Advanced English CAE. From 2010 onwards he was a student at the Faculty of Electronics, Telecommunication and Informational Technology, Technical University of Cluj-Napoca, obtaining the corresponding university degree in Applied Electronics in 2014. He is currently undergoing postgraduate Master courses in Electronics Engineering.

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