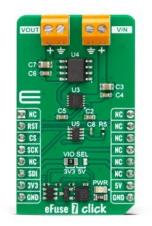MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
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eFuse 7 Click

PID: MIKROE-5738

eFuse 7 Click is a compact add-on board with a power path protection solution that limits circuit currents and voltages to safe levels during fault conditions. This board features the LS12052BD33, an eFuse with over-voltage protection and blocking FET control from Littelfuse. This industrial eFuse has a wide input voltage from 2.7V up to 18V, external programmable soft-start time, and current limit, and supports reverse current blocking. Besides, it features short-circuit protection, thermal shutdown protection, and auto recovery. This Click board™ makes the perfect solution for the development of robust protection for multiple faults on the system rail and current limiting for systems such as telecom radios and industrial printers.

eFuse 7 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

Specifications

Type	Power Switch
Applications	Can be used for the development of robust protection for multiple faults on the system rail and current limiting for systems such as telecom radios and industrial printers
On-board modules	LS12052BD33 - eFuse with over-voltage protection and blocking FET control from Littelfuse
Key Features	Wide operating voltage, adjusting current limit, short-circuit protection features, thermal shutdown protection, and auto recovery, reverse current blocking and more
Interface	GPIO
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[eFuse 7 click example on Libstock](#)

[TP86R203NL datasheet](#)

[LS12052BD33 datasheet](#)

[eFuse 7 click 2D and 3D files](#)

[eFuse 7 click schematic](#)