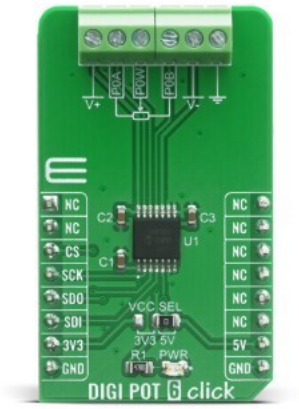
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

DIGI POT 6 Click



PID: MIKROE-4110

DIGI POT 6 Click is a compact add-on board used as a digitally controlled potentiometer. This board features the MCP41HV51, 8-bit dual power rails digital potentiometer with SPI serial interface and volatile memory from Microchip. The MCP41HV51 has a wide operating voltage range, analog from 10 to 36V and digital from 2.7 to 5.5V or implemented as dual-rail (±18V). Its 8-bit configuration supports 255 resistors and 256 steps and provides RAB resistance options of 100 kΩ. It also has a Write Latch function, which will inhibit the volatile wiper register from being updated with the received data. This Click board™ is suitable for precision calibration of set point thresholds, adjustable power supplies, adjustable gain amplifiers and offset trimming, and more.

DIGI POT 6 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.

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	Digital potentiometer
Applications	Can be used for precision calibration of set point thresholds, adjustable power supplies, adjustable gain amplifiers and offset trimming, and more.
On-board modules	MCP41HV51 - 8-bit dual power rails digital potentiometer with SPI serial interface and volatile memory from Microchip.
Key Features	Wide operating voltage range, configurable resistance options, Zero-Scale to Full-Scale wiper operation, low wiper resistance, and more.
Interface	SPI
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

DIGI POT 6 click 2D and 3D files

DIGI POT 6 click example on Libstock

MCP41HVX1 datasheet

DIGI POT 6 click schematic

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Digital Potentiometer Development Tools ***category:***

Click to view products by MikroElektronika ***manufacturer:***

Other Similar products are found below :

EVAL-AD5162SDZ EVAL-AD5232SDZ EVAL-AD5246DBZ EVAL-AD5258DBZ EVAL-AD5204SDZ EVAL-AD5259DBZ PIM523 MCP43XXEV MCP401XEV TPL0401EVM EVAL-AD5235SDZ 356 2273 4219 4271 4272 4286 4493 4570 EVAL-AD5111SDZ EVAL-AD5116EBZ EVAL-AD5142ADBZ EVAL-AD5161DBZ EVAL-AD5242DBZ EVAL-AD5243SDZ EVAL-AD5270SDZ MAX5487PMB1# MCP402XEV MCP42XXEV MCP46XXEV MIKROE-3402 MIKROE-3691 MIKROE-4110 MIKROE-198 MIKROE-2332 MIKROE-2702 MIKROE-2863 MIKROE-2873 MIKROE-316 MIKROE-3301 MIKROE-923 PRT-13144 101020036 EVAL-AD5110SDZ EVAL-AD5141DBZ EVAL-AD5142DBZ EVAL-AD5143DBZ EVAL-AD5144DBZ EVAL-AD8403SDZ EVAL-AD5160DBZ