

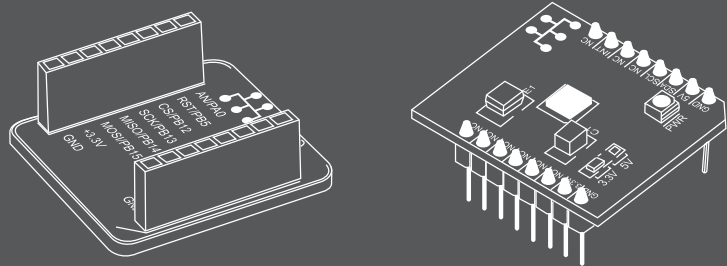


Click boards™

# A new idea is just a click away

Adding a new functionality to your design was never so easy. Sensors? Displays? Wireless transceivers? Motor control? Connection ports? Encoders? Or how about speech recognition, thunder detection, fingerprint scanning?

Pick from hundreds of Click boards™ - presented here in 1:1 scale - plug one into the mikroBUS™ socket, and it's ready to work right away.





# Click boards™

Ever-growing range of standardized add-on boards

WiFi, LoRa, BLE, GSM, GPS, OLED, speech recognition, environmental sensors, movement sensors, biosensors, LEDs, ADCs, relays - you name it, we got it. There are hundreds of Click boards available.



### 3G Click (USA)

5V 3.3V SPI I2C  
UART GPIO PWM AN

UG95 3G UMTS/HSPA module. With SIM card slot, Audio/Mic jack, micro USB port.

MSRP - \$89<sup>00</sup>  
MIKROE-2296



### 3G Click (EU/AUS)

5Va 3.3V SPI I2C  
UART GPIO PWM AN

UG95 3G UMTS/HSPA module. With SIM card slot, Audio/Mic jack, micro USB port.

MSRP - \$89<sup>00</sup>  
MIKROE-2226



### 3G SARA Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With UMTS/HSPA cellular modem – the u-blox U201, from the SARA series.

MSRP - \$99<sup>00</sup>  
MIKROE-2244



### 4G LTE-E Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features the LARA-R211 multi-mode cellular module from u-blox.

MSRP - \$115<sup>00</sup>  
MIKROE-2527

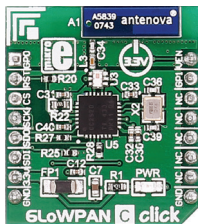


### 4G LTE-NA Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features the LARA-R204 multi-mode cellular module from u-blox.

MSRP - \$115<sup>00</sup>  
MIKROE-2535



### 6LoWPAN C Click

5V 3.3V SPI I2C

UART GPIO PWM AN

TI's CC2520, 2.4GHz ZigBee®/IEEE 802.15.4 RF transceiver.

MSRP - \$26<sup>00</sup>  
MIKROE-2219



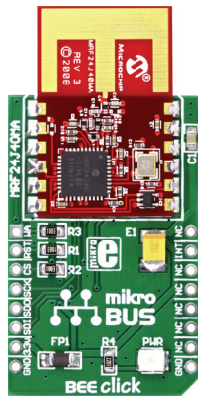
### 6LoWPAN T Click

5V 3.3V SPI I2C

UART GPIO PWM AN

TI's CC2520, 2.4GHz ZigBee®/IEEE 802.15.4 RF transceiver.

MSRP - \$26<sup>00</sup>  
MIKROE-2218



### BEE Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Microchip's MRF24J-40MA 2.4 GHz IEEE 802.15.4 radio transceiver module.

MSRP - \$29<sup>00</sup>  
MIKROE-987



### BLE 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With RN4020 Bluetooth 4.1 module. Can be set up both as a client or a server.

MSRP - \$30<sup>00</sup>  
MIKROE-1715



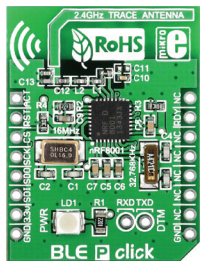
### BLE 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It features NINA-B1 Bluetooth 4.2 module from u-blox.

MSRP - \$39<sup>00</sup>  
MIKROE-2471



### BLE P Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With nRF8001 Bluetooth 4.0 peripheral device. Open source Android app available.

MSRP - \$25<sup>00</sup>  
MIKROE-1597



### Bluetooth Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

It features the RN-41 low power, class 1 Bluetooth radio module.

MSRP - \$39<sup>00</sup>  
MIKROE-958

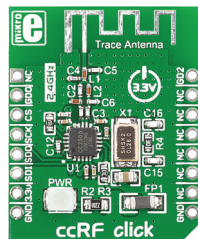


### BT Audio Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With RN52 Bluetooth audio module and on-board 3.5mm jacks for a mic and a speaker.

MSRP - \$49<sup>00</sup>  
MIKROE-2399

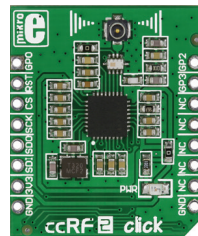


### ccRF Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With CC2500 low-power 2.4 GHz RF transceiver and PCB trace antenna.

MSRP - \$22<sup>00</sup>  
MIKROE-1435

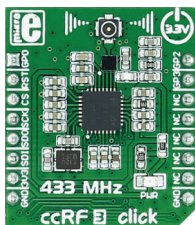


### ccRF 2 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With CC1120, high performance radio transceiver for ISRM and SRD bands.

MSRP - \$36<sup>00</sup>  
MIKROE-1716



### ccRF 3 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Carries the CC1120 high-performance RF transceiver for narrow-band systems from TI.

**MSRP - \$36<sup>00</sup>**  
 MIKROE-2389

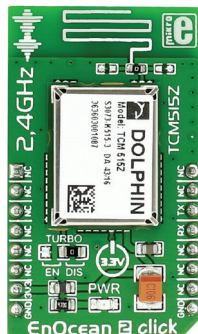


### EnOcean Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With TCM 310 transceiver - bidirectional gateway for EnOcean's 868 MHz radio systems.

**MSRP - \$39<sup>00</sup>**  
 MIKROE-1908

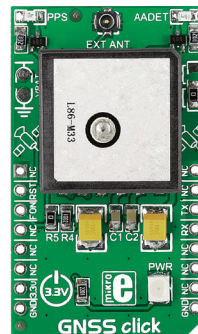


### EnOcean 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With TCM 515Z transceiver, based on the 2.4 GHz IEEE 802.15.4 radio standard.

**MSRP - \$39<sup>00</sup>**  
 MIKROE-2521



### GNSS Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Quectel's L86 GNSS module with a patch antenna and an external antenna connector.

**MSRP - \$46<sup>00</sup>**  
 MIKROE-1850



### GNSS 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Quectel's L76 module and SMA antenna connector. GPS + GLONASS.

**MSRP - \$39<sup>00</sup>**  
 MIKROE-1887



### GNSS 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries SIM33ELAGNSS module with an integrated antenna and an external antenna connector.

MSRP - \$39<sup>00</sup>  
MIKROE-1895



### GNSS 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features SAM-M8Q patch antenna module from u-blox.

MSRP - \$44<sup>00</sup>  
MIKROE-2045



### GNSS 5 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features NEO-M8N GNSS receiver module from u-blox.

MSRP - \$41<sup>00</sup>  
MIKROE-2670

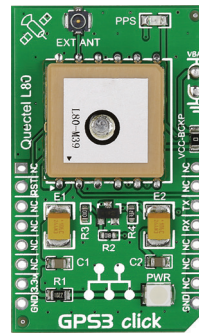


### GPS Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It carries LEA-6S high-performance position engine from u-blox.

MSRP - \$49<sup>00</sup>  
MIKROE-1032



### GPS3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With Quectel's L80, high-sensitivity GPS module with a patch antenna.

MSRP - \$44<sup>00</sup>  
MIKROE-1714





### GSM-GPS Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With SIM808, GSM/GPRS and GPS module. Two antenna connectors, SIM card slot, a micro USB connector.

MSRP - \$85<sup>00</sup>  
MIKROE-2382



### GSM Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With quad-band GL865-QUAD GSM/ GPRS module, onboard antenna connector and SIM card socket.

MSRP - \$49<sup>00</sup>  
MIKROE-1298



### GSM 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With Quectel's M95 FA quad-band GSM/GPRS module. 85.6 kbps GPRS data transfer.

MSRP - \$44<sup>00</sup>  
MIKROE-1375



### GSM 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With SIM800H quad-band GSM/GPRS module. 85.6 kbps GPRS data transfer.

MSRP - \$57<sup>00</sup>  
MIKROE-1720

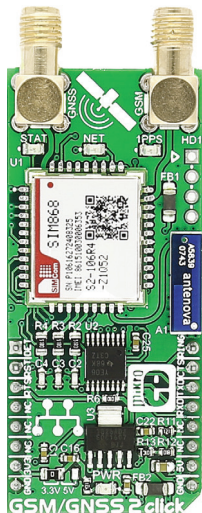


### GSM/GNSS Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Quectel's MC60 quad-band GSM/GPRS/GNSS module. GPS/GNSS location tracking with GSM.

MSRP - \$79<sup>00</sup>  
MIKROE-2439

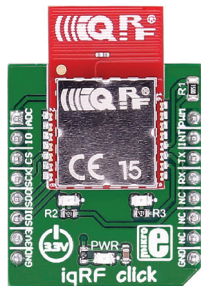


**GSM/GNSS 2 Click**

5V 3.3V SPI I2C  
UART GPIO PWM AN

With SIM868 quad-band GSM/GPRS module. GPS/GNSS location tracking with GSM.

MSRP – \$69<sup>00</sup>  
MIKROE-2440



**iQRF Click**

5V 3.3V SPI I2C  
UART GPIO PWM AN

With DCTR-76DA RF transceiver, operating in the 868/916 MHz frequency.

MSRP – \$43<sup>00</sup>  
MIKROE-2586

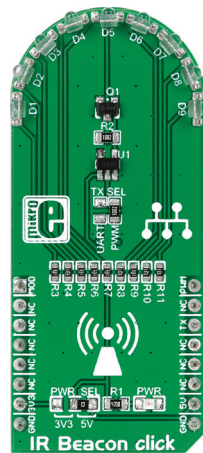


**iQRF 2 Click**

5V 3.3V SPI I2C  
UART GPIO PWM AN

With DCTR-72DAT RF transceiver, operating in the 868/916 MHz frequency.

MSRP – \$49<sup>00</sup>  
MIKROE-2587

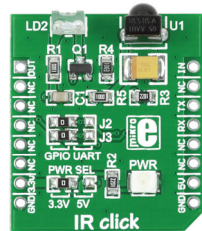


**IR Beacon Click**

5V 3.3V SPI I2C  
UART GPIO PWM AN

Functions as a beacon device with nine VSMB-2948SL high speed infrared emitting diodes.

MSRP – \$21<sup>00</sup>  
MIKROE-1939



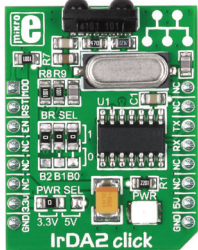
**IR Click**

5V 3.3V SPI I2C  
UART GPIO PWM AN

Features TSOP38338 IR 38 kHz receiver module as well as QEE113 IR emitting diode.

MSRP – \$9<sup>50</sup>  
MIKROE-1377



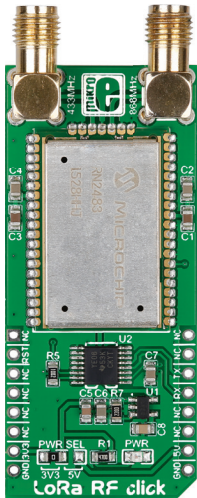


### IrDA2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With TFDU4101 infrared transceiver module and MCP2120 infrared encoder/decoder.

MSRP - \$25<sup>00</sup>  
 MIKROE-1195



### LoRa RF Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With RN2483 LoRa Sub-GHz, 433/868 MHz European R&TTE Directive Assessed Radio Modem.

MSRP - \$54<sup>00</sup>  
 MIKROE-1997



### LoRa RF 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With RN2903 915 MHz Radio Modem compliant with regulations for use in the USA, CA, AU, NZ.

MSRP - \$54<sup>00</sup>  
 MIKROE-2225



### LoRa 3 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

A LoRa technology-based SRD transceiver, operates at a sub-gigahertz frequency of 868MHz.

MSRP - \$52<sup>00</sup>  
 MIKROE-2933



### LoRa 4 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

A LoRa RF technology based SRD transceiver, operates at a sub-gigahertz frequency of 868MHz.

MSRP - \$52<sup>00</sup>  
 MIKROE-2934



### NFC Tag Click

5V **3.3V** SPI **I2C**  
UART **GPIO** PWM AN

With M24SR64 NFC/RFID tag IC with a dual interface and 8KB of high-reliability EEPROM built-in.

**MSRP - \$12<sup>00</sup>**  
MIKROE-1726



### NFC Tag 2 Click

5V **3.3V** SPI **I2C**  
UART **GPIO** PWM AN

Carries NT3H1101 NTAG I2C energy harvesting NFC Forum Type 2 Tag from NXP.

**MSRP - \$12<sup>00</sup>**  
MIKROE-2462

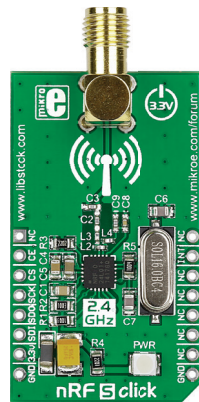


### nRF C Click

5V **3.3V** SPI **I2C**  
UART **GPIO** PWM AN

With nRF24L01P 2.4 GHz transceiver. Air data rates of 250 Kbps, 1 Mbps and 2 Mbps.

**MSRP - \$19<sup>00</sup>**  
MIKROE-1304



### nRF S Click

5V **3.3V** SPI **I2C**  
UART **GPIO** PWM AN

With nRF24L01P 2.4 GHz transceiver. 250 Kbps, 1 Mbps and 2 Mbps air data rates.

**MSRP - \$19<sup>00</sup>**  
MIKROE-1836

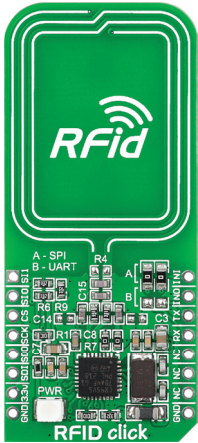


### nRF T Click

5V **3.3V** SPI **I2C**  
UART **GPIO** PWM AN

With nRF24L01P 2.4 GHz transceiver module. Air data rates of 250 Kbps, 1 Mbps and 2 Mbps.

**MSRP - \$16<sup>00</sup>**  
MIKROE-1305



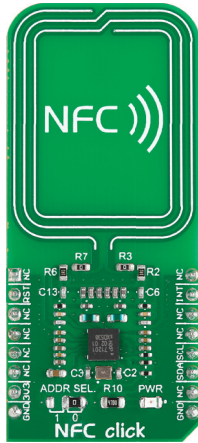
### RFid Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With CR95HF 13.56 MHz contactless Rfid transceiver, and trace antenna.

**MSRP - \$29<sup>00</sup>**  
MIKROE-1434



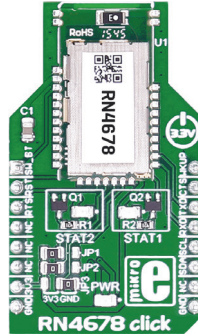
### NFC Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With near field communications controller PN7120 IC from NXP.

**MSRP - \$34<sup>00</sup>**  
MIKROE-2395



### RN4678 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

It carries RN4678 Bluetooth® 4.2 dual mode module from Microchip.

**MSRP - \$29<sup>00</sup>**  
MIKROE-2545



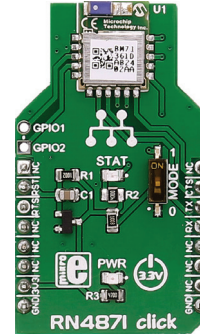
### RN4870 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

It carries RN4870 Bluetooth® 4.2 low energy module from Microchip.

**MSRP - \$33<sup>00</sup>**  
MIKROE-2543



### RN4871 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

It carries RN4871 Bluetooth® 4.2 low energy module from Microchip.

**MSRP - \$33<sup>00</sup>**  
MIKROE-2544

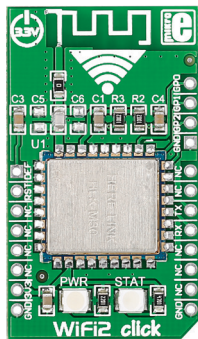


### tRF Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With Telit's LE70-868 — a 868 MHz transceiver module with embedded stack.

MSRP - \$59<sup>00</sup>  
MIKROE-1535



### WiFi 2 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With HLM-K30 module. Can be set up with either a static or dynamic IP address.

MSRP - \$29<sup>00</sup>  
MIKROE-1768

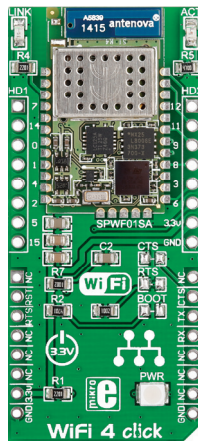


### WiFi 3 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With ESP8266 module. TCP/IP stack. Supports Wi-Fi Direct [p2p]. 6 GPIO pins.

MSRP - \$27<sup>00</sup>  
MIKROE-1769



### WiFi 4 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With SPWF01SA standalone WiFi module. Built-in 2.45 GHz ISM band antenna.

MSRP - \$49<sup>00</sup>  
MIKROE-1913



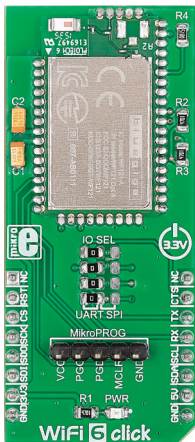
### WiFi 5 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With Gainspan's GS1500M 802.11b/g/n Low Power Wi-Fi module with a PCB trace antenna.

MSRP - \$29<sup>00</sup>  
MIKROE-2274





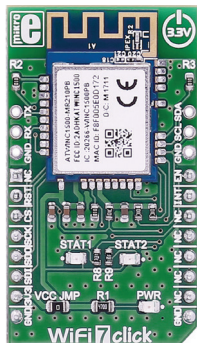
### WiFi 6 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With WF121-A self-contained WiFi module. 2.4GHz band IEEE 802.11 b/g/n radio.

**MSRP - \$69<sup>00</sup>**  
MIKROE-2043



### WiFi 7 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With ATWINC1510-MR210PB IEEE 802.11 b/g/n module, 20MHz solution.

**MSRP - \$29<sup>00</sup>**  
MIKROE-2046



### WiFi ESP Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With ESP-WROOM-02 module that integrates ESP8266EX. In AP WiFi and WiFi client mode.

**MSRP - \$15<sup>00</sup>**  
MIKROE-2542



### WiFi PLUS Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MRF24WB-OMA 2.4GHz, IEEE std. 802.11 module and MCW1001 controller.

**MSRP - \$45<sup>00</sup>**  
MIKROE-1135



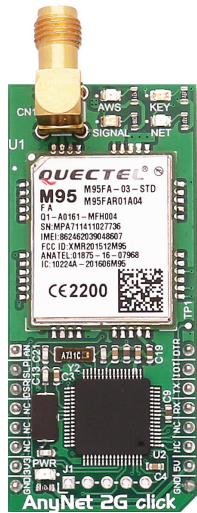
### WiFly Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With RN-131 embedded wireless LAN module. Qualified 2.4-GHz IEEE 802.11 b/g transceiver.

**MSRP - \$69<sup>00</sup>**  
MIKROE-1937



AnyNet 2G Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

WiFi module with integrated IPv4 TCP/IP stack and built-in network protocols.

MSRP - \$69<sup>00</sup>  
MIKROE-2747



AnyNet 3G-EA Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A secure connection with the AWS over the air (OTA), by utilizing the Quectel UG95 3G module.

MSRP - \$89<sup>00</sup>  
MIKROE-2975

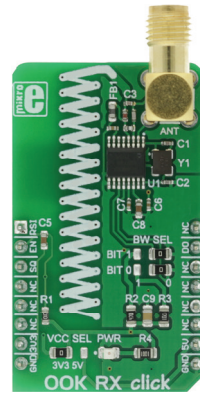


CC3100 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries low power, high security Wi-Fi CC3100 module. Support for 802.11n.

MSRP - \$49<sup>00</sup>  
MIKROE-2336



OOK RX Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A wireless receiver that operates at the frequency of 433MHz [sub-GHz].

MSRP - \$19<sup>00</sup>  
MIKROE-2902

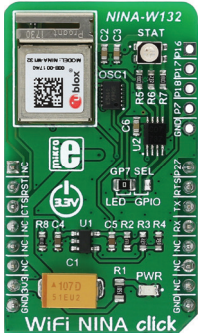


OOK TX Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A wireless transmitter that operates at the frequency of 433MHz [sub-GHz].

MSRP - \$19<sup>00</sup>  
MIKROE-2903

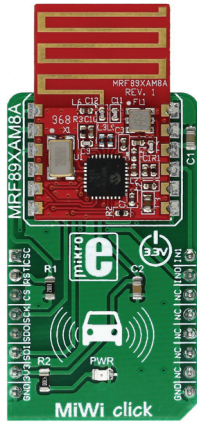


### WiFi NINA Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

A standalone WiFi module, with the state-of-the-art NINA-W132 module from u-blox.

**MSRP – \$45<sup>00</sup>**  
 MIKROE-2921

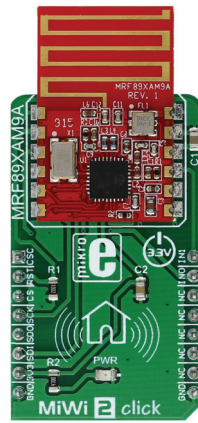


### MiWi Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

A subgigahertz radio transceiver which offers a reliable FSK or OOK communication solution.

**MSRP – \$17<sup>00</sup>**  
 MIKROE-2924

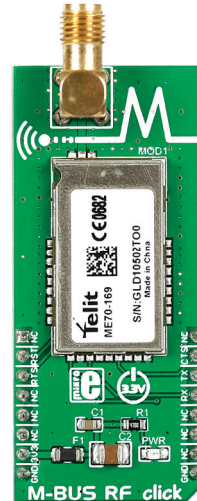


### MiWi 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

A subgigahertz radio transceiver which offers a reliable FSK or OOK communication solution.

**MSRP – \$17<sup>00</sup>**  
 MIKROE-2925

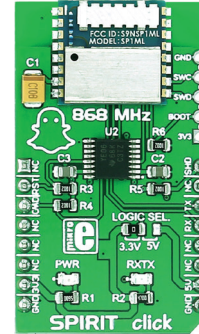


### M-BUS RF Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With ME70-169 RF wireless module. Unlicensed ISM frequency band 169.400-169.475 MHz.

**MSRP – \$54<sup>00</sup>**  
 MIKROE-2048



### SPIRIT Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With SP1ML 868MHz ultra low-power RF module. Memory: 16 kB RAM and 128 kB Flash.

**MSRP – \$39<sup>00</sup>**  
 MIKROE-2568

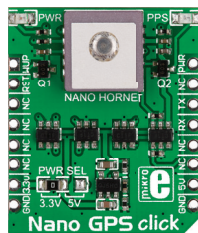


### XBEE Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

Xbee® and Zig-  
bee-compliant XB-  
24CZ7PIS-004 module  
with a PCB antenna.

MSRP – \$59<sup>00</sup>  
MIKROE-1599

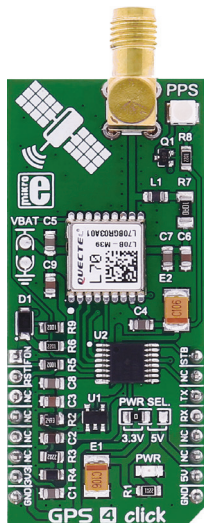


### NANO GPS Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

With Nano Hornet,  
world's smallest GPS  
module with an inte-  
grated antenna.

MSRP – \$45<sup>00</sup>  
MIKROE-1912



### GPS 4 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

GPS 4 click carries  
the L70 compact GPS  
module from Quectel,  
with external antenna.

MSRP – \$34<sup>00</sup>  
MIKROE-2704



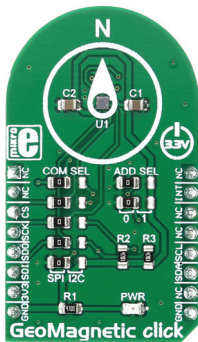
### GSM 4 Click

5V | 3.3V | SPI | I2C  
UART | GPIO | PWM | AN

Compact quad-band  
GSM solution, featur-  
ing the quad-band  
SARA-G350 module.

MSRP – \$74<sup>00</sup>  
MIKROE-2388





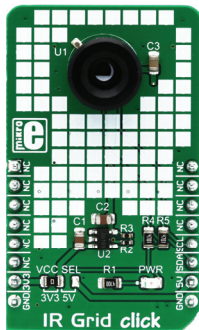
### GeoMagnetic Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Measures the geomagnetic field in three perpendicular axes. The onboard sensor uses FlipCore from Bosch.

**MSRP – \$15<sup>00</sup>**  
MIKROE-2935



### IR Grid Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Equipped with the MLX90621BAD, a 16x4 IR array sensor, from Melexis.

**MSRP – \$69<sup>00</sup>**  
MIKROE-2622



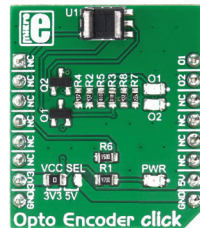
### Moisture Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

FDC2112 IC, a very precise 12bit capacitance to digital converter, from Texas Instruments.

**MSRP – \$19<sup>00</sup>**  
MIKROE-3084



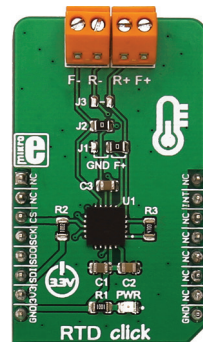
### Opto Encoder Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Uses the TCUT1600X01, a tall dome dual channel transmissive optical sensor from Vishay.

**MSRP – \$9<sup>00</sup>**  
MIKROE-2549



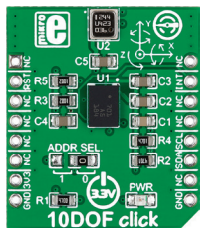
### RTD Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

It is based on MAX31865 resistance to digital converter optimized for RTDs.

**MSRP – \$19<sup>00</sup>**  
MIKROE-2815

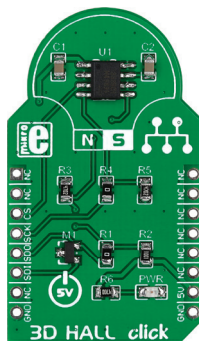


### 10DOF Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With BNO055, a 9-axis absolute orientation sensor and BMP180, a digital pressure sensor.

MSRP - \$49<sup>00</sup>  
 MIKROE-2073

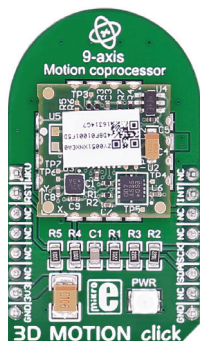


### 3D Hall Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With MLX90333 3-axis Hall sensor. Detects the position of any magnet in nearby space.

MSRP - \$25<sup>00</sup>  
 MIKROE-1987

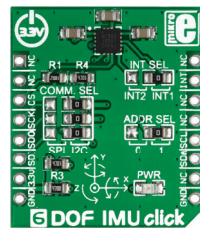


### 3D Motion Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

MM7150 9-axis sensor fusion motion module and SSC7150 motion coprocessor.

MSRP - \$59<sup>00</sup>  
 MIKROE-1877

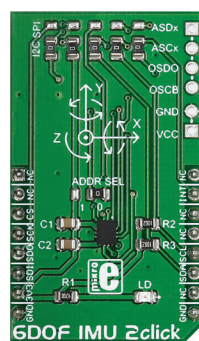


### 6DOF IMU Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

STM's LSM6DS33TR 6-axis IMU with 3-axis gyroscope and 3-axis accelerometer.

MSRP - \$49<sup>00</sup>  
 MIKROE-1298

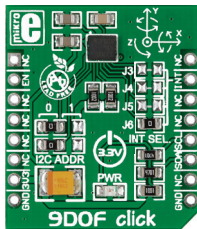


### 6DOF IMU 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With BMI160 low power IMU. For precise acceleration and gyroscopic measurement.

MSRP - \$24<sup>00</sup>  
 MIKROE-2337

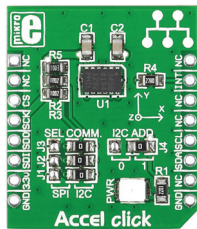


### 9DOF Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

LSM9DS1 inertial measurement module - 3D accelerometer, gyroscope and magnetometer.

MSRP - \$24<sup>00</sup>  
 MIKROE-1941

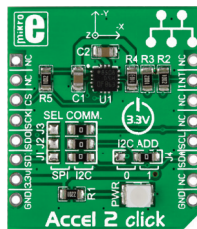


### Accel Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With ADXL345 3-axis accelerometer. 13-bit measurement, embedded FIFO technologies.

MSRP - \$19<sup>00</sup>  
 MIKROE-1194

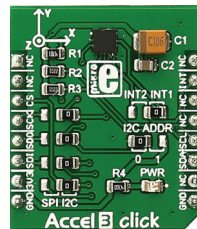


### Accel 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

LIS3DSH IC 3-axis accelerometer. Embedded FIFO buffer and 2 programmable state machines.

MSRP - \$19<sup>00</sup>  
 MIKROE-1905



### Accel 3 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

H3LIS331DL 3-axis linear accelerometer. Dynamically selectable scales ±100g/±200g/±400g.

MSRP - \$21<sup>00</sup>  
 MIKROE-2102

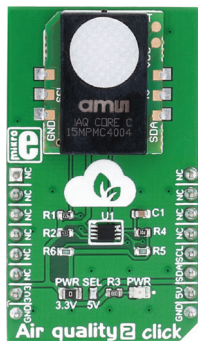


### Air quality Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

MQ-135 sensor for detecting gases - ammonia, nitrogen oxides, benzene, smoke, CO2.

MSRP - \$16<sup>50</sup>  
 MIKROE-1630



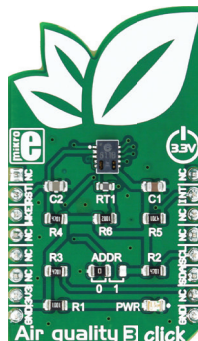
### Air quality 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

iAQ-Core that measures VOC levels and provides CO2 equivalent and TVOC equivalent predictions.

**MSRP - \$79<sup>00</sup>**  
MIKROE-2529



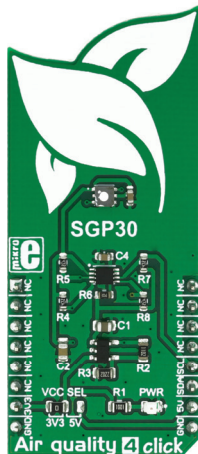
### Air quality 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Equipped with the CCS811, an ultra-low power digital gas sensor for monitoring the indoor air quality [IAQ].

**MSRP - \$29<sup>00</sup>**  
MIKROE-2953



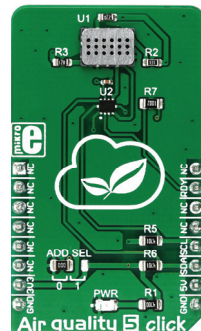
### Air quality 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

An advanced air quality sensing device that combines multiple metal-oxide sensing elements on a chip.

**MSRP - \$32<sup>00</sup>**  
MIKROE-2896



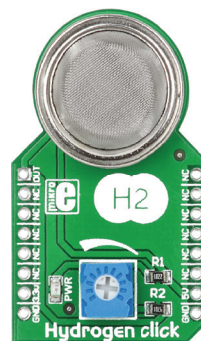
### Air quality 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

MICS-6814, a compact triple MOS sensor from SGX Sensortech, with three fully independent sensors.

**MSRP - \$45<sup>00</sup>**  
MIKROE-3056



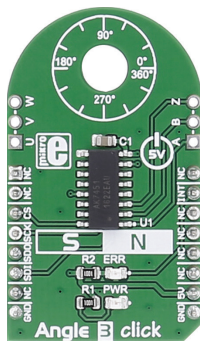
### Hydrogen Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It carries MQ-8 sensor for hydrogen [H2]. Sensor's detection range 100-10000ppm of H2.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1629

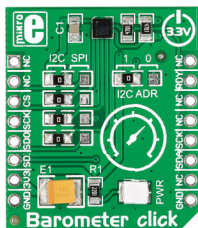


### Angle 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With AK7451, a magnetic rotational angle sensor with 12-bit angle resolution.

MSRP - \$18<sup>00</sup>  
MIKROE-2755

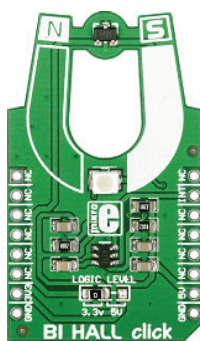


### BAROMETER Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

LPS25HB IC, piezoresistive absolute pressure sensor. Range 260-1260 hPa.

MSRP - \$15<sup>00</sup>  
MIKROE-1817

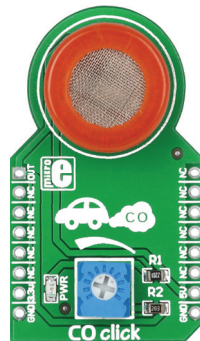


### Bi Hall Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

US2882 bipolar Hall-effect switch and a 74LVC1T45 single bit, dual supply transceiver.

MSRP - \$12<sup>00</sup>  
MIKROE-1646

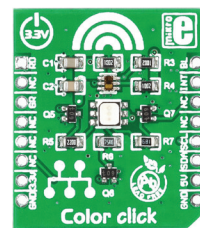


### CO Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

MQ-7 gas sensor with high sensitivity to carbon monoxide. Detection range 20ppm-2000ppm.

MSRP - \$16<sup>00</sup>  
MIKROE-1626

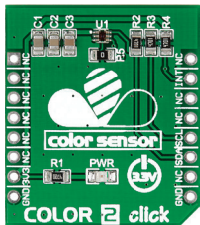


### Color Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With TCS3471 [RGBC] color light sensor and a RGB LED diode. Resolution up to 16-bits.

MSRP - \$15<sup>00</sup>  
MIKROE-1438

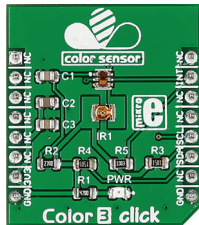


### Color 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

ISL29125 RGB color light sensor. 16-bit resolution data, measuring range 5.7 mlux-10,000 lux.

**MSRP - \$16<sup>00</sup>**  
 MIKROE-1988

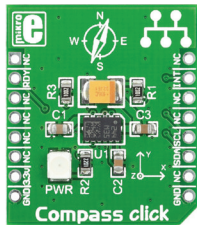


### Color 3 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With TCS3771 color sensor and a narrow beam Infrared LED.

**MSRP - \$17<sup>00</sup>**  
 MIKROE-2103

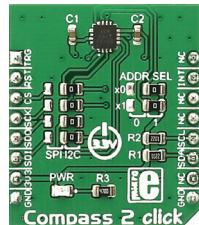


### Compass Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

It features LSM303DLHC ultra compact high performance e-compass module.

**MSRP - \$25<sup>00</sup>**  
 MIKROE-1386

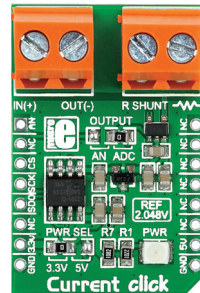


### Compass 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With AK8963 3-axis electronic compass based on the Hall effect. 14-/16-bit selectable resolution.

**MSRP - \$25<sup>00</sup>**  
 MIKROE-2264



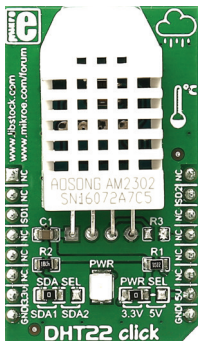
### Current Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With INA196 current shunt monitor, MCP3201 12-bit ADC, MAX6106 voltage reference.

**MSRP - \$24<sup>00</sup>**  
 MIKROE-1396





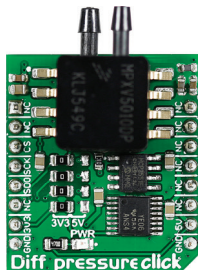
### DHT22 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With DHT22 temp. and humidity measurement sensor. Hum. 0–100%, temp. -40 to +80° C.

MSRP – \$24<sup>00</sup>  
MIKROE-1798



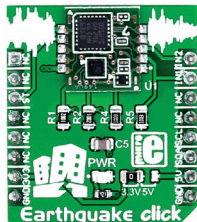
### Diff pressure Click

5V 3.3V SPI I2C

UART GPIO PWM AN

MPXV5010DP pressure sensor. Designed for comparing 2 pressure measurements.

MSRP – \$59<sup>00</sup>  
MIKROE-2387



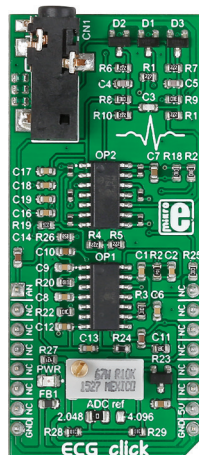
### Earthquake Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It carries D7S, the world's smallest high-precision seismic sensor from Omron.

MSRP – \$69<sup>00</sup>  
MIKROE-2561



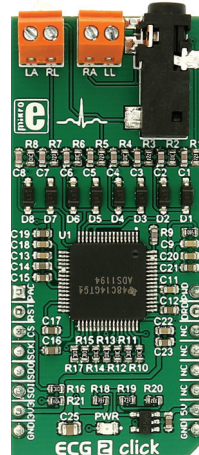
### ECG Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It measures the electrical activity of a beating heart through electrodes taped to the skin.

MSRP – \$39<sup>00</sup>  
MIKROE-2455



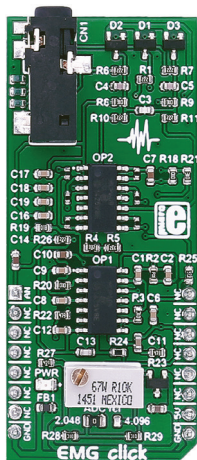
### ECG 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Tracks the patterns of your beating heart. It carries ADS1194 16-bit delta-sigma ADC.

MSRP – \$49<sup>00</sup>  
MIKROE-2507

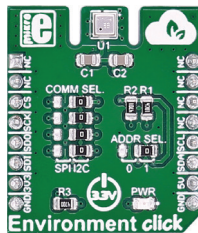


### EMG Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Measures the electrical activity produced by the skeletal muscles.

MSRP - \$29<sup>00</sup>  
MIKROE-2621

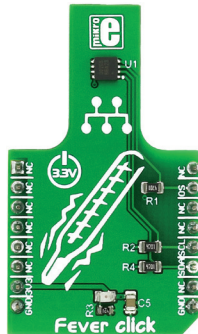


### Environment Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Measures temperature, relative humidity, pressure and Volatile Organic compounds gases.

MSRP - \$34<sup>00</sup>  
MIKROE-2467

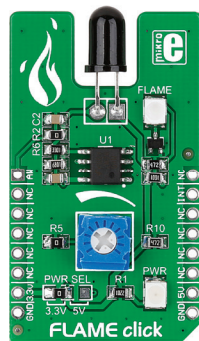


### Fever Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Measures body temperature with MAX30205 sensor. Accuracy 0.1°C [37°C to 39°C].

MSRP - \$11<sup>00</sup>  
MIKROE-2554

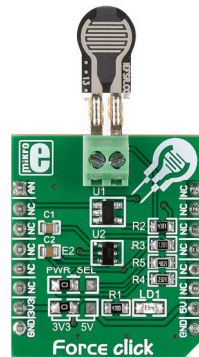


### FLAME Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Used for fire detection. Carries PT334-6B silicon phototransistor sensitive only to infrared light.

MSRP - \$12<sup>00</sup>  
MIKROE-1820



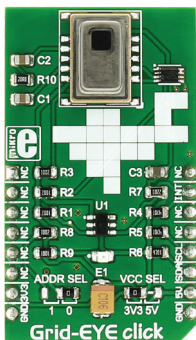
### Force Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With Interlink Electronics' Force Sensing Resistors. Force sensitivity range 0.2N-20N.

MSRP - \$25<sup>00</sup>  
MIKROE-2065





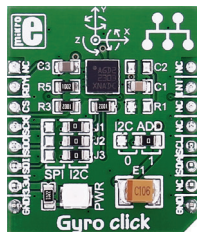
## Grid-EYE Click

5V 3.3V SPI I2C

UART GPIO PWM AN

8x8 thermal array sensor-detector that carries AMG8853 infrared array sensor.

MSRP – \$79<sup>00</sup>  
MIKROE-2539



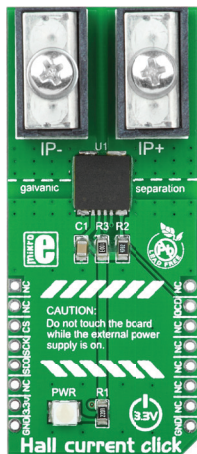
## GYRO Click

5V 3.3V SPI I2C

UART GPIO PWM AN

L3GD20 3-axis digital gyroscope module - can measure angular rate and ambient temperature.

MSRP – \$25<sup>00</sup>  
MIKROE-1379



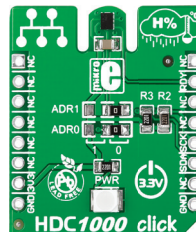
## Hall current Click

5V 3.3V SPI I2C

UART GPIO PWM AN

High precision current sensor with TL14970-D050T4, a magnetic current sensor.

MSRP – \$34<sup>00</sup>  
MIKROE-1578



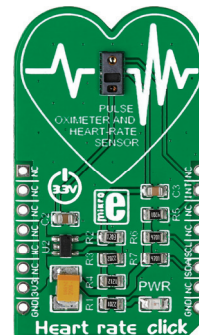
## HDC1000 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It's a humidity [and temperature] measurement Click carrying the HDC1000 sensor.

MSRP – \$19<sup>00</sup>  
MIKROE-1797



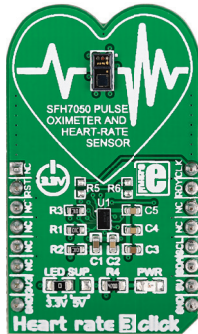
## Heart rate Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With Maxim's MAX30100 integrated pulse oximetry and heart-rate sensor.

MSRP – \$19<sup>00</sup>  
MIKROE-2000



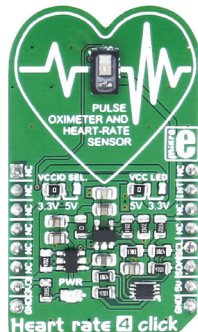
## Heart rate 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

SFH7050 pulse oximetry and heart rate monitoring module, and AFE4404 IC for bio-sensing.

MSRP - \$39<sup>00</sup>  
MIKROE-2036



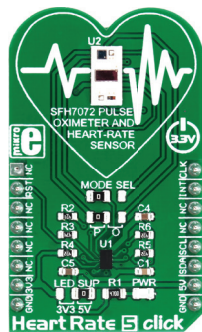
## Heart rate 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries the MAX30101 high-sensitivity pulse oximeter and heart-rate sensor.

MSRP - \$21<sup>00</sup>  
MIKROE-2510



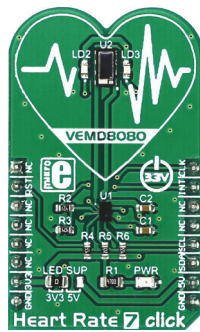
## Heart Rate 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the top-of-the-class integrated BIOFY® SFH 7072 sensor for OSRAM.

MSRP - \$32<sup>00</sup>  
MIKROE-3012



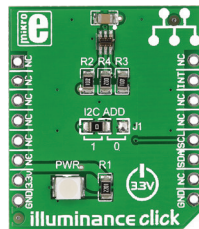
## Heart Rate 7 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The VEMD8080 photo-sensor. A high-speed PD element, with sensitivity in the visible light spectrum.

MSRP - \$23<sup>00</sup>  
MIKROE-2998



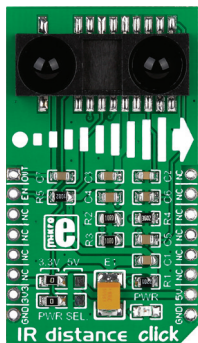
## Illuminance Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With TSL2561 light-to-digital converter. Two photodiodes: full-spectrum and infrared light.

MSRP - \$16<sup>00</sup>  
MIKROE-1688



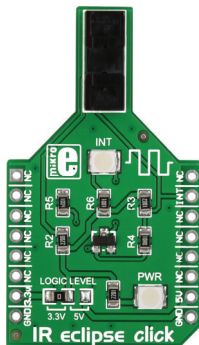
### IR distance Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With GP2Y0A60SZ0F distance measuring sensor. Measuring range 10-150 cm.

MSRP – \$25<sup>00</sup>  
MIKROE-1991



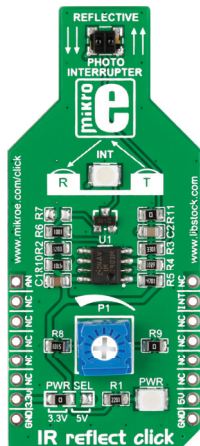
### IR eclipse Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With EE-SX198 photo interrupter sensor - detects anything that obstructs its beam.

MSRP – \$15<sup>00</sup>  
MIKROE-1711



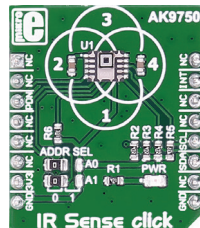
### IR reflect Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries GP2S700HCP reflective photo interrupter and an onboard potentiometer.

MSRP – \$12<sup>00</sup>  
MIKROE-1882



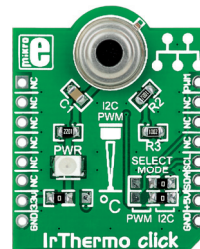
### IR Sense Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With AK9750 quantum-type IR sensor. Detects the temperature of objects and people in motion.

MSRP – \$27<sup>00</sup>  
MIKROE-2677



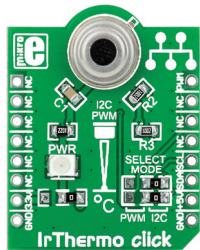
### IrThermo Click 3.3V

5V 3.3V SPI I2C

UART GPIO PWM AN

With MLX90614ESF-BAA IR thermometer module, factory calibrated in wide temperature range.

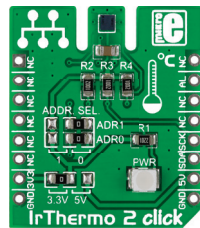
MSRP – \$29<sup>00</sup>  
MIKROE-1361

**IrThermo Click 5V**

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With MLX90614ESF-AAA IR thermometer module, factory calibrated in wide temperature range.

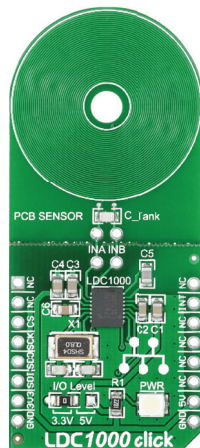
MSRP – \$29<sup>00</sup>  
 MIKROE-1362

**IrThermo 2 Click**

5V 3.3V SPI I2C  
 UART GPIO PWM AN

It is a non-contact temperature measurement solution, with an infrared thermopile sensor.

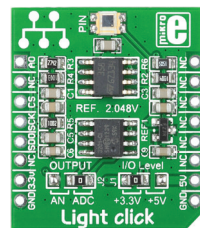
MSRP – \$20<sup>00</sup>  
 MIKROE-1888

**LDC1000 Click**

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With inductance-to-digital converter IC and a detachable sensor. For short range inductive sensing.

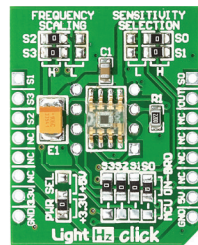
MSRP – \$35<sup>00</sup>  
 MIKROE-1583

**Light Click**

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Used to measure ambient light intensity, with PD15-22CTR8 PIN photodiode.

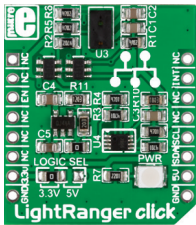
MSRP – \$18<sup>00</sup>  
 MIKROE-1424

**Light Hz Click**

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With TSL230BR converter for conversion of light intensity to frequency with no external components.

MSRP – \$17<sup>90</sup>  
 MIKROE-990



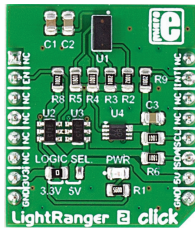
### LightRanger Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It's a proximity sensor carrying VL6180X IC. Also works as an ambient light sensor.

**MSRP - \$24<sup>00</sup>**  
MIKROE-1897



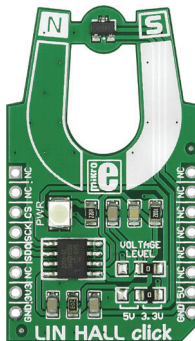
### LightRanger 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With VL53L0X IC, the world's smallest Time-of-Flight ranging and gesture detector sensor.

**MSRP - \$24<sup>00</sup>**  
MIKROE-2509



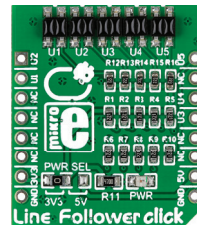
### LIN HALL Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MLX90242 linear Hall sensor IC. Measures magnet's strength and distance.

**MSRP - \$17<sup>00</sup>**  
MIKROE-1648



### Line Follower Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With five QRE1113 miniature reflective object sensors. Used for line following robots and cars.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1999



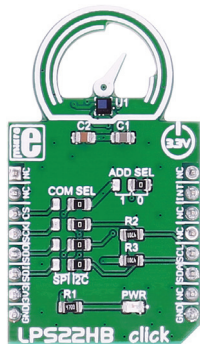
### LPG Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MQ-5 sensor for detecting liquefied petroleum gas leakage. Detection range 200-10000 ppm.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1587

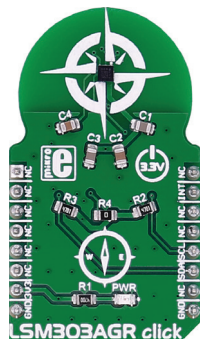


### LPS22HB Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Used as a digital barometer. It carries the LPS22HB MEMS nano pressure sensor.

MSRP – \$15<sup>00</sup>  
 MIKROE-2665

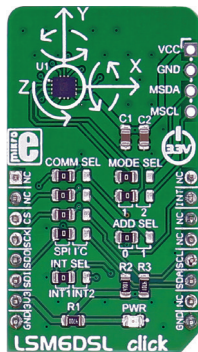


### LSM303AGR Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Measures acceleration and magnetic field characteristics. Carries LSM303AGR module.

MSRP – \$18<sup>00</sup>  
 MIKROE-2684

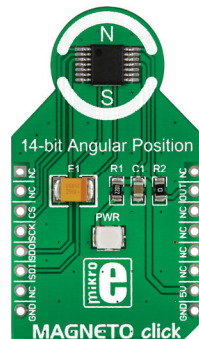


### LSM6DSL Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Measures linear and angular velocity with six degrees of freedom. Carries LSM6DSL module.

MSRP – \$15<sup>00</sup>  
 MIKROE-2731

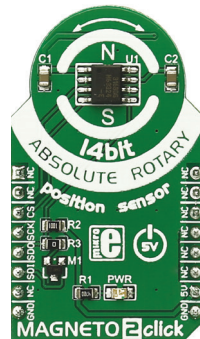


### MAGNETO Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Carries AS5048A contactless magnetic angle position sensor that relies on the Hall Effect.

MSRP – \$36<sup>00</sup>  
 MIKROE-1886



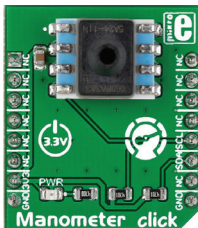
### MAGNETO 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Enables the design of non-contacting rotary position sensors with MLX90316 sensor IC.

MSRP – \$29<sup>00</sup>  
 MIKROE-1938





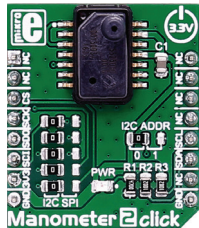
### Manometer Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a piezoresistive silicon pressure sensor with extremely high accuracy ( $\pm 0.25\%$ FSS BFSL).

**MSRP - \$79<sup>00</sup>**  
MIKROE-2237



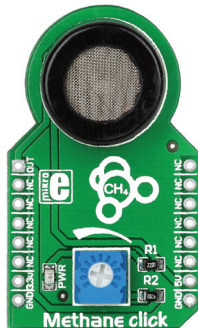
### Manometer 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MS5525D-S0-SB001GS digital pressure sensor. 24-bit digital pressure and temp. value.

**MSRP - \$39<sup>00</sup>**  
MIKROE-2550



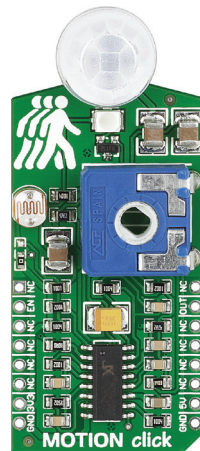
### Methane Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MQ-4 sensor for methane (CH4). Detection range 200-10000ppm of CH4.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1628



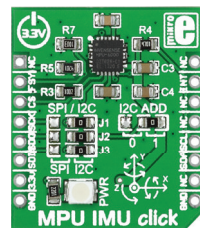
### MOTION Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It's a motion detector sensitive only to live bodies with PIR500B, a pyroelectric sensor.

**MSRP - \$13<sup>00</sup>**  
MIKROE-1589



### MPU IMU Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MPU-6000 integrated 6-axis motion tracking device and a DMP [Digital Motion Processor].

**MSRP - \$39<sup>00</sup>**  
MIKROE-1577



### Spectral Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the AS7261, an XYZ chromatic white color sensor + NIR with electronic shutter and smart interface.

MSRP - \$26<sup>00</sup>  
MIKROE-2972



### Spectral 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the AS7262, 6 channel visible spectral\_ID device with electronic shutter and smart Interface.

MSRP - \$26<sup>00</sup>  
MIKROE-2973



### Spectral 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the AS7263, a 6 channel NIR Spectral\_ID device with electronic shutter and smart Interface.

MSRP - \$26<sup>00</sup>  
MIKROE-2961

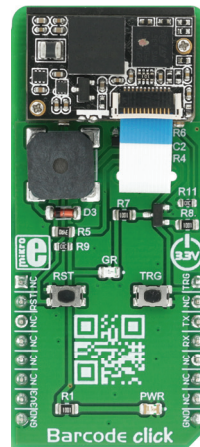


### IR Sense 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the AK9752, an ultra-small infrared sensor IC, with an I2C interface, from AKM.

MSRP - \$21<sup>00</sup>  
MIKROE-2966



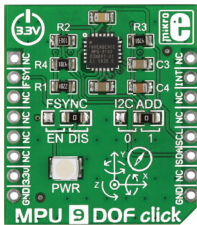
### Barcode Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The LV3296, a compact integrated barcode scanner from Rakinda company.

MSRP - \$179<sup>00</sup>  
MIKROE-2913





### MPU 9DOF Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries the MPU-9150 system in package, the world's first 9-axis motion tracking device.

**MSRP - \$42<sup>00</sup>**  
MIKROE-1719



### Ozone 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MQ131 sensor for Ozone [O3]. Detection range 10-1000 ppm of O3.

**MSRP - \$37<sup>00</sup>**  
MIKROE-2767



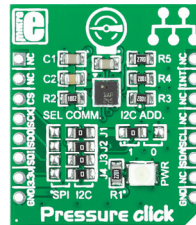
### Pollution Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Detects organic gases - formaldehyde, benzene, alcohol, toluene, etc. Detection range 1x50ppm.

**MSRP - \$49<sup>00</sup>**  
MIKROE-2516



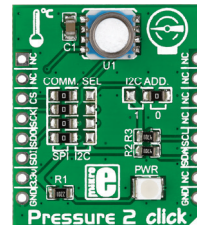
### Pressure Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With LPS331AP digital output pressure sensor. For pressure [260-1260 mbar] and temp. [-40°C to 80°C].

**MSRP - \$25<sup>00</sup>**  
MIKROE-1422



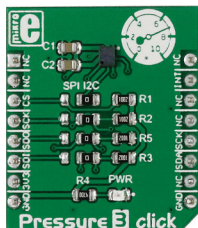
### Pressure 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MS5803, a high resolution MEMS pressure sensor. Range 0-14 bars, resolution up to 0.2 mbars.

**MSRP - \$69<sup>00</sup>**  
MIKROE-1880

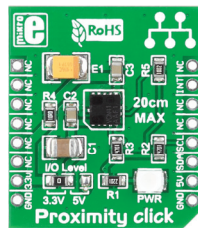


### Pressure 3 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With DPS310 digital barometric pressure sensor. Range 300-1200 hPa.

MSRP - \$20<sup>00</sup>  
 MIKROE-2293

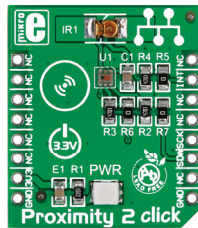


### Proximity Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With VCNL4010 proximity and ambient light sensor. Range up to 20cm, 16-bit resolution.

MSRP - \$17<sup>00</sup>  
 MIKROE-1445

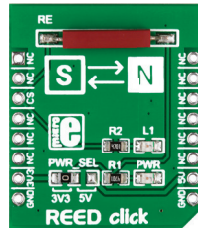


### Proximity 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With MAX44000, an IC that integrates an ambient light and a proximity sensor. Range 0.03-65.535 lux.

MSRP - \$19<sup>00</sup>  
 MIKROE-1818

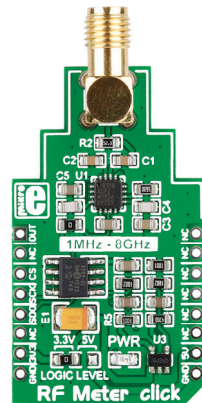


### REED Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With a standard reed switch. Used in mechanical systems as proximity sensors.

MSRP - \$7<sup>00</sup>  
 MIKROE-1998

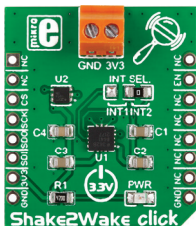


### RF Meter Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

It's an RF power measurement device. Frequency span 1 MHz-8 GHz, over 60 dB range.

MSRP - \$44<sup>00</sup>  
 MIKROE-2034

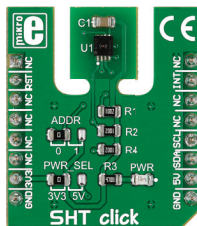


## Shake2Wake Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With ADXL362 ultralow power, 3-axis MEMS accelerometer. Includes several activity detection modes.

**MSRP - \$39<sup>00</sup>**  
MIKROE-1942

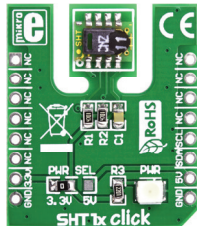


## SHT Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Temperature and humidity sensor SHT3x-DIS. -0 to 100% RH, 40 to 125°C temp. range.

**MSRP - \$26<sup>00</sup>**  
MIKROE-2101

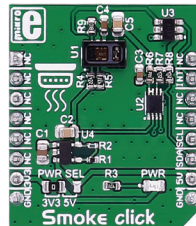


## SHT1x Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Digital humidity and temperature sensor SHT11. Not recommended for newer designs.

**MSRP - \$13<sup>00</sup>**  
MIKROE-949

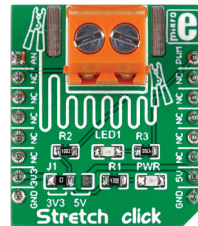


## Smoke Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With MAX30105 optical sensor for smoke detection. Sensor's inherent resolution 0.0625°C.

**MSRP - \$19<sup>00</sup>**  
MIKROE-2560

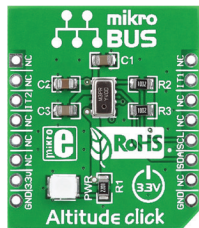


## Stretch Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Measures stretch forces with conductive rubber cord - 40-160 ohms per cm resistance.

**MSRP - \$35<sup>00</sup>**  
MIKROE-2064



### Altitude Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

MEMS pressure sensor MPL3115A2. Pressure/altitude [20-bit] and temp. [12-bit] data.

MSRP - \$14<sup>50</sup>  
 MIKROE-1489

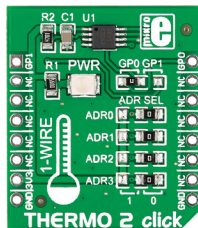


### THERMO Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With MAX31855K thermo-couple-to-digital converter and PCC-SMP K-type thermocouple connector.

MSRP - \$29<sup>00</sup>  
 MIKROE-1197

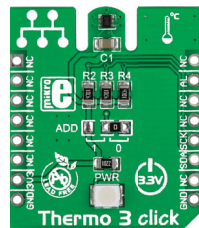


### THERMO 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With DS18B25, a digital thermometer IC with a unique 64-bit address. -10°C to 85°C, ±0.5°C accuracy.

MSRP - \$15<sup>00</sup>  
 MIKROE-1840

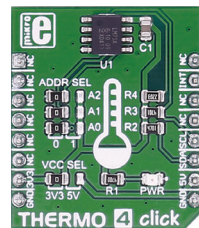


### Thermo 3 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With TMP102, a digital temp. sensor IC. Accurate within 0.5°C. Range from -25°C to 85°C.

MSRP - \$9<sup>00</sup>  
 MIKROE-1885

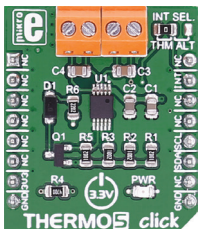


### THERMO 4 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

It carries digital temperature sensor and thermal watchdog. Range from -55°C to +125°C.

MSRP - \$9<sup>00</sup>  
 MIKROE-2632



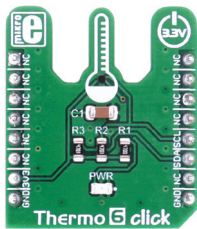
### THERMO 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Measures temperature in default range of 0°C to 127°C and extended range of -64°C to 191°C.

MSRP - \$11<sup>00</sup>  
MIKROE-2571



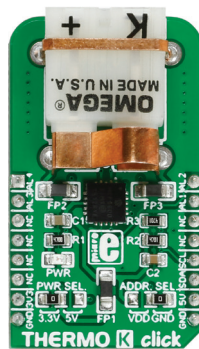
### Thermo 6 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Ambient temp. measurement device, based on the MAX31875 temp. sensor.

MSRP - \$9<sup>00</sup>  
MIKROE-2769



### THERMO K Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It carries the MCP9600 IC. It can measure temperatures from -200 °C to +1372 °C.

MSRP - \$24<sup>00</sup>  
MIKROE-2501



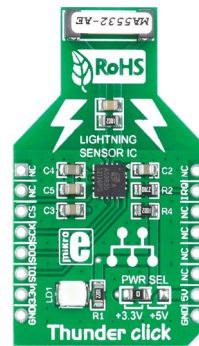
### Thermostat Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It carries MAX7502 IC that can measure temp. from -25°C to +100°C. Accuracy ±1.5°C.

MSRP - \$19<sup>00</sup>  
MIKROE-2273



### Thunder Click

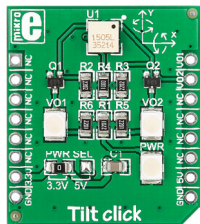
5V 3.3V SPI I2C

UART GPIO PWM AN

Detects the presence and proximity of lightning activity with AS3935 lightning sensor.

MSRP - \$35<sup>00</sup>  
MIKROE-1444



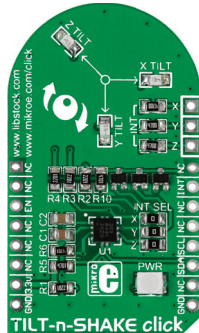


### Tilt Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With RPI-1035, a 4-directional optical tilt sensor - left, right, backward, forward movement.

MSRP - \$12<sup>90</sup>  
 MIKROE-1834

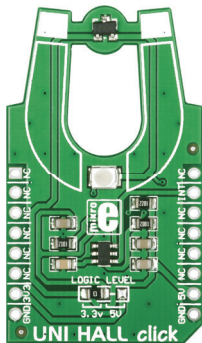


### TILTnSHAKE Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With MMA8491Q IC, a 3-axis digital accelerometer. Can function as a 45 ° tilt sensor.

MSRP - \$19<sup>00</sup>  
 MIKROE-1853

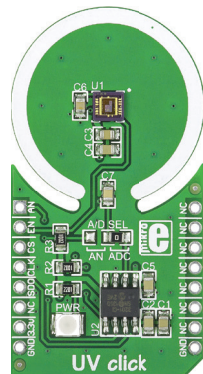


### UNI HALL Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With US5881 unipolar Hall-effect switch sensitive to the North Pole magnetic fields.

MSRP - \$12<sup>00</sup>  
 MIKROE-1647

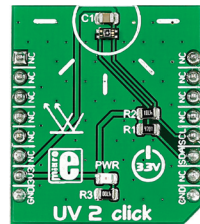


### UV Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With ML8511 IC that is sensitive to UVA and UVB rays. Outputs either analog or digital signals.

MSRP - \$24<sup>00</sup>  
 MIKROE-1677

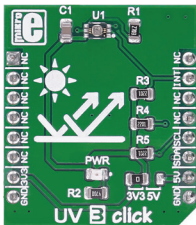


### UV 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Carries VEML6075 UVA and UVB light sensor. With a photodiode, amplifiers, analog/digital circuits.

MSRP - \$19<sup>00</sup>  
 MIKROE-2378



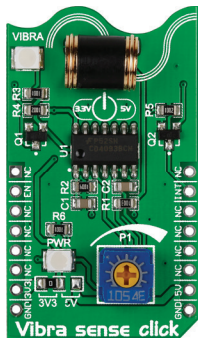
### UV 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

An advanced ultraviolet (UV) light sensor with VEML6070 UVA light sensor.

MSRP - \$9<sup>00</sup>  
MIKROE-2736



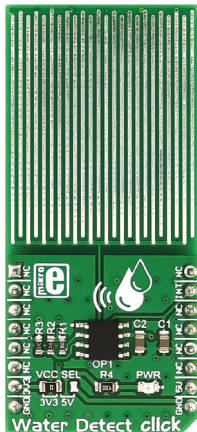
### Vibra sense Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A micro shock vibration sensor with a digital output. For anti-tampering, anti-theft devices.

MSRP - \$18<sup>00</sup>  
MIKROE-1927



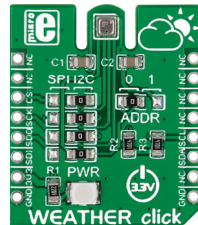
### Water Detect Click

5V 3.3V SPI I2C

UART GPIO PWM AN

For detecting water and other electroconductive liquids. Carries Microchip's MCP606.

MSRP - \$9<sup>00</sup>  
MIKROE-2786



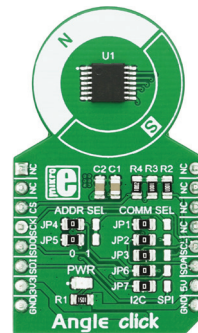
### Weather Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With BME280 integrated environmental unit. Detects humidity, pressure, and temperature.

MSRP - \$22<sup>00</sup>  
MIKROE-1978



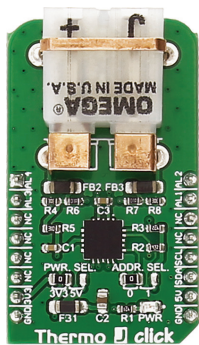
### Angle Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Hall-effect angle sensing device used to measure the rotational angle of the magnetic field.

MSRP - \$16<sup>00</sup>  
MIKROE-2030



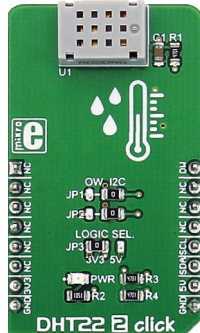
### Thermo J Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It is a temperature measurement Click board™, which uses a thermocouple type-J probe.

MSRP – \$24<sup>00</sup>  
MIKROE-2811



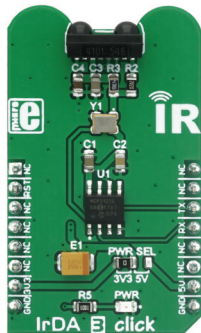
### DHT22 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It is used for measuring the environmental temperature and relative humidity.

MSRP – \$22<sup>00</sup>  
MIKROE-2818



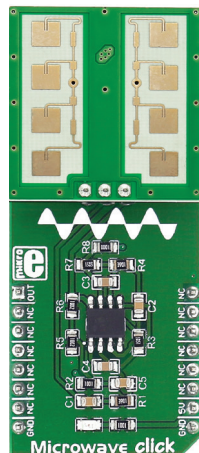
### IrDA 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Intelligent IR transceiver device that sends and receives UART commands via the IR interface.

MSRP – \$26<sup>00</sup>  
MIKROE-2871



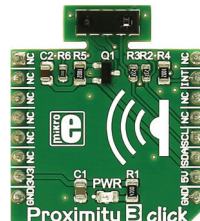
### Microwave Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It detects movement, thanks to the PD-V11 a 24GHz microwave motion sensor.

MSRP – \$25<sup>00</sup>  
MIKROE-2781



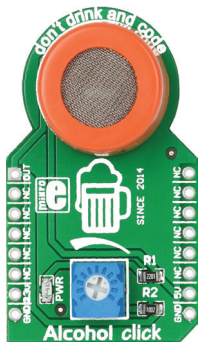
### Proximity 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Intelligent proximity and light sensing device – high sensitivity long distance PS and ALS.

MSRP – \$17<sup>00</sup>  
MIKROE-2801



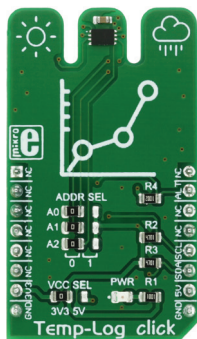
### Alcohol Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Detects alcohol in concentrations from 0.04 to 4mg/l with MQ-3 Semiconductor sensor.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1586



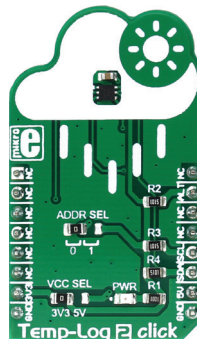
### Temp-Log Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A precise ambient temperature measurement device, with 8Kbit (1024 bytes) of EEPROM memory.

**MSRP - \$15<sup>00</sup>**  
MIKROE-2886



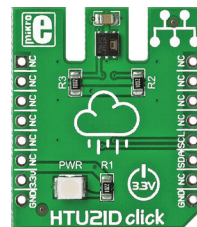
### Temp-Log 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A precise ambient temp. measurement device, with the additional non-volatile (EEPROM) memory.

**MSRP - \$15<sup>00</sup>**  
MIKROE-3004



### HTU21D Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a relative humidity sensor with temperature output. Rel. hum. 0-100%, temp. -40 to +125° C.

**MSRP - \$21<sup>00</sup>**  
MIKROE-1687



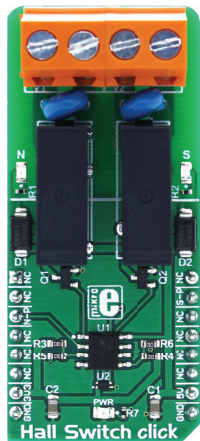
### ProxFusion Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A multifunctional capacitive and Hall-effect sensor device. Carries the IQS624, a combined multi-sensor IC from Azoteq.

**MSRP - \$9<sup>00</sup>**  
MIKROE-2920



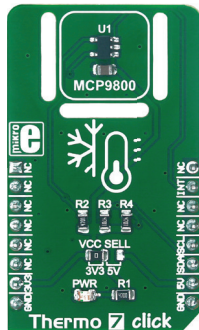
### Hall Switch Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the AH1389, an ultra-sensitive dual output unipolar Hall Effect switch, from Diodes Incorporated.

**MSRP - \$18<sup>00</sup>**  
MIKROE-2985



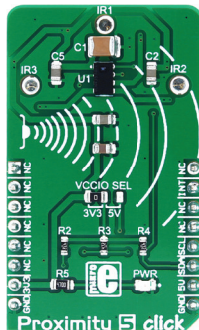
### Thermo 7 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the MCP9800, a high accuracy temperature sensor IC with the 2-Wire interface, from Microchip.

**MSRP - \$9<sup>00</sup>**  
MIKROE-2979



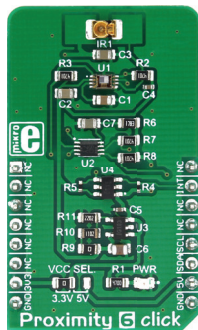
### Proximity 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features the VCN-L4035X01 J, a fully integrated proximity and ambient light sensor.

**MSRP - \$15<sup>00</sup>**  
MIKROE-2984



### Proximity 6 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the ADUX1020, a photometric sensor for gesture and proximity detection.

**MSRP - \$29<sup>00</sup>**  
MIKROE-3048



### Hall current 2 Click

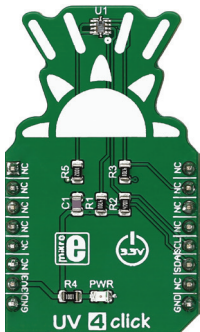
5V 3.3V SPI I2C

UART GPIO PWM AN

A Hall effect linear current sensor with over-current fault output for less than 100 V Isolation Applications.

**MSRP - \$18<sup>00</sup>**  
MIKROE-2987



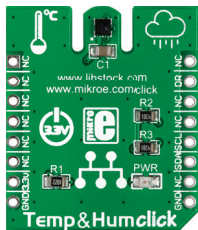


### UV 4 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Equipped with the Si1133, a UV index and ambient light sensor with I2C interface, from Silicon Labs.

**MSRP – \$15<sup>00</sup>**  
 MIKROE-2989

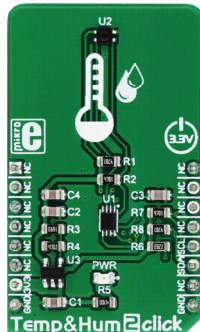


### Temp&Hum Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With HTS221 temp. and relative humidity sensor. Measurement accuracy is  $\pm 1^{\circ}\text{C}$  in  $0-60^{\circ}\text{C}$  range.

**MSRP – \$16<sup>00</sup>**  
 MIKROE-1971

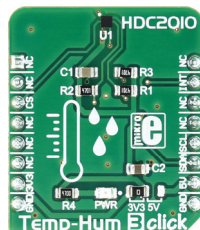


### Temp&Hum 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Uses the Si7034, a digital humidity and temperature sensor IC with I2C interface, from Silicon Labs.

**MSRP – \$16<sup>00</sup>**  
 MIKROE-3085

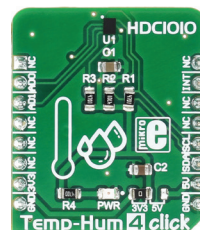


### Temp-Hum 3 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Uses the HDC2010, a Low Power Humidity and Temperature Digital Sensor from Texas Instruments.

**MSRP – \$13<sup>00</sup>**  
 MIKROE-2937

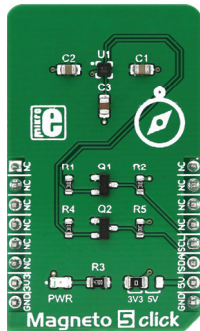


### Temp-Hum 4 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

A smart environmental temp. and humidity sensor, uses HDC1010 sensor from Texas Instruments.

**MSRP – \$13<sup>00</sup>**  
 MIKROE-2938



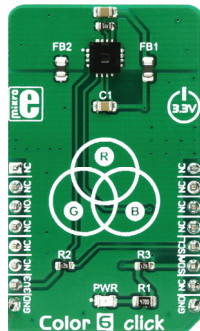
### Magneto 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features the MEMS IC MMC34160PJ, a 3-axis magnetic sensor IC.

**MSRP - \$15<sup>00</sup>**  
MIKROE-3050



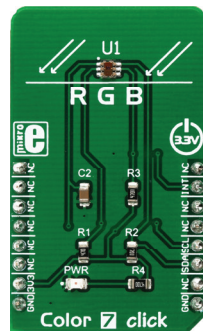
### Color 6 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features the AS73211, an XYZ true color sensor from AMS.

**MSRP - \$32<sup>00</sup>**  
MIKROE-3061



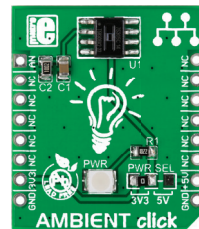
### Color 7 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features the TCS3472 color light to digital converter with IR filter, from AMS.

**MSRP - \$16<sup>00</sup>**  
MIKROE-3062



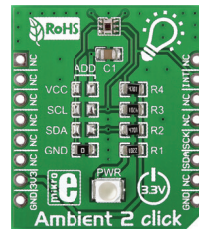
### Ambient Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MLX75305 IC, CMOS integrated optical sensor. Converts ambient light intensity into voltage.

**MSRP - \$9<sup>00</sup>**  
MIKROE-1890



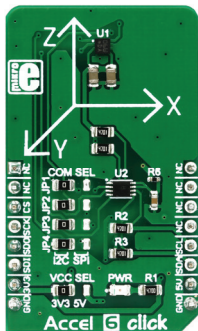
### Ambient 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

TI's OPT3001 ambient light sensor. Measures the visible part of the light spectrum.

**MSRP - \$14<sup>00</sup>**  
MIKROE-1903



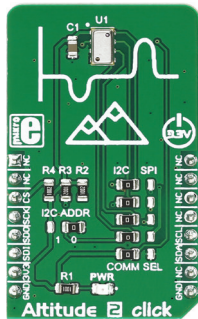
## Accel 6 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The BMA280, a 14bit triaxial acceleration sensor with intelligent on-chip motion triggered interrupt controller.

**MSRP – \$17<sup>00</sup>**  
MIKROE-3075



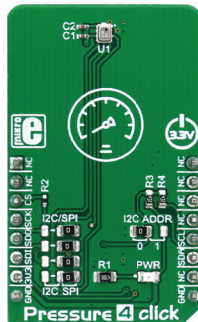
## Altitude 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the MS5607-02BA03, a barometric pressure sensor IC with the stainless steel cap.

**MSRP – \$15<sup>00</sup>**  
MIKROE-3030



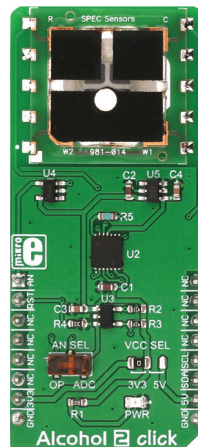
## Pressure 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features the BMP280, a digital pressure sensor, from Bosch Sensortech.

**MSRP – \$18<sup>00</sup>**  
MIKROE-3020



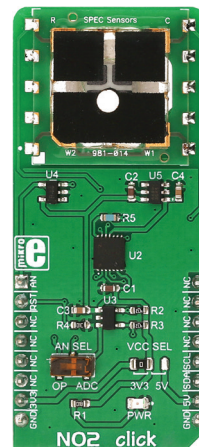
## Alcohol 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The BMA280, a 14bit triaxial acceleration sensor with intelligent on-chip motion triggered interrupt controller.

**MSRP – \$52<sup>00</sup>**  
MIKROE-3097



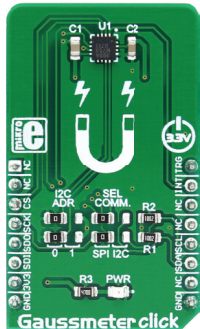
## NO2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The 3SP-NO2-20 gas sensor from SPEC Sensors, which can sense NO2 concentration up to 20ppm.

**MSRP – \$52<sup>00</sup>**  
MIKROE-3098



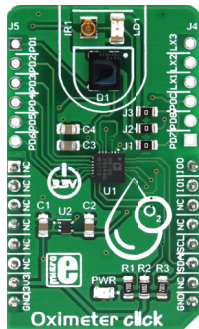
### Gaussmeter Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The MLX90393, a micro-power magnetometer based on the proprietary Triaxis® technology.

MSRP – \$19<sup>00</sup>  
MIKROE-3099



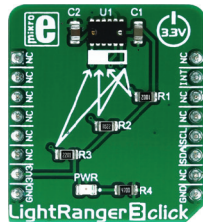
### Oximeter Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The ADPD105, a highly configurable photometric front end (AFE) device from Analog Devices.

MSRP – \$39<sup>00</sup>  
MIKROE-3102



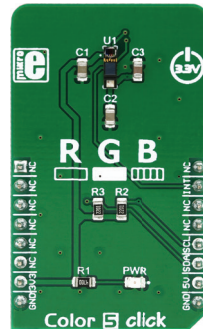
### LightRanger 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the Simblee™ enabled RFD77402 ToF sensor module from RF Digital.

MSRP – \$24<sup>00</sup>  
MIKROE-3103



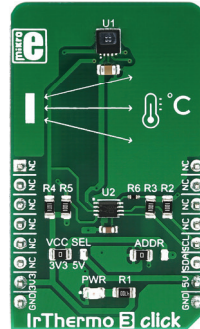
### Color 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the P12347-01CT, from Hamamatsu company.

MSRP – \$16<sup>00</sup>  
MIKROE-3107



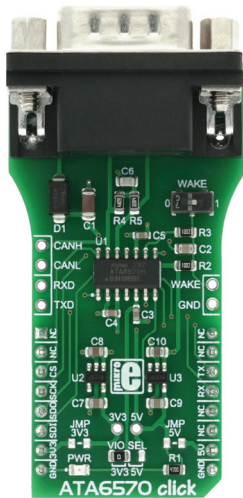
### IrThermo 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the MLX90632 FIR sensor from Melis as the contactless temperature sensor.

MSRP – \$27<sup>00</sup>  
MIKROE-3121

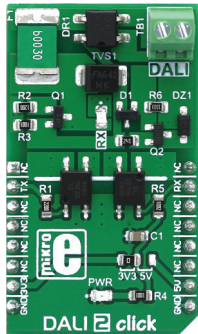


### ATA6570 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the ATA6570, a standalone high speed CAN transceiver IC from Microchip.

MSRP – \$23<sup>00</sup>  
MIKROE-2900

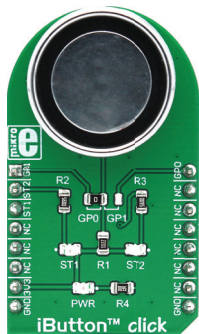


### DALI 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It is used for interfacing with the DALI network, and as a compliant with the DALI-2 physical layer requirements.

MSRP – \$25<sup>00</sup>  
MIKROE-2672

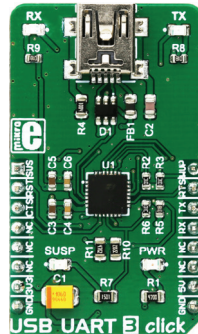


### iButton™ Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Comes with Maxim's DS1990A, a serial number iButton™ device with a unique 64-bit serial number.

MSRP – \$35<sup>00</sup>  
MIKROE-3045

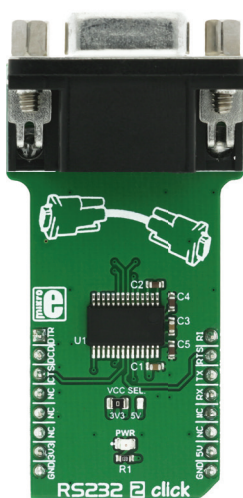


### USB UART 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The CP2102N, a highly integrated USB to UART interface, from Silicon Labs.

MSRP – \$15<sup>00</sup>  
MIKROE-3063



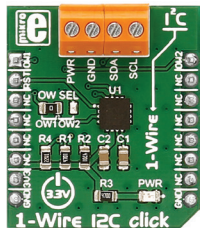
### RS232 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The MAX3237E, a 3V to 5.5V multichannel RS232, 1 Mbit/s line driver/receiver from Texas Instruments.

MSRP – \$15<sup>00</sup>  
MIKROE-2897



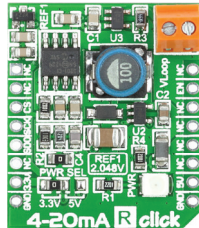


### 1-Wire I2C Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Converts I2C to 1-wire with DS28E17 1-Wire-to-I2C master bridge from Maxim Integrated.

MSRP - \$22<sup>00</sup>  
 MIKROE-2750

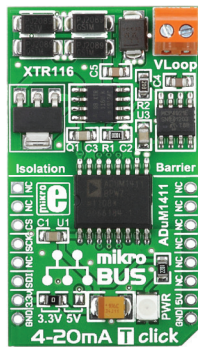


### 4-20 mA R Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Serves as a receiver in a 4-20mA current loop standard. Converts it into a voltage [0.4-2V].

MSRP - \$26<sup>00</sup>  
 MIKROE-1387

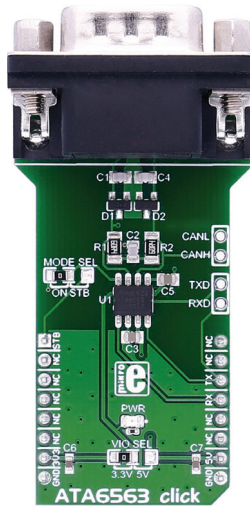


### 4-20 mA T Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Easy solution for adding 4-to-20mA industry standard communication protocol to your design.

MSRP - \$26<sup>00</sup>  
 MIKROE-1296

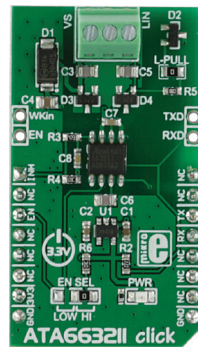


### ATA6563 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Microchip's ATA6563 high-speed CAN transceiver for Classical CAN and CAN FD networks.

MSRP - \$20<sup>00</sup>  
 MIKROE-2334

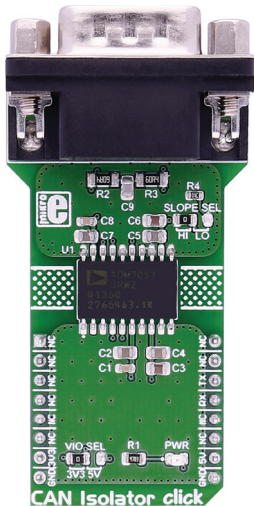


### ATA663211 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

LIN transceiver IC designed to handle low-speed data communication in applications.

MSRP - \$19<sup>00</sup>  
 MIKROE-2335



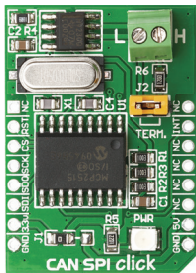
### CAN Isolator Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Provides isolated CAN communication. Data rates of up to 1 Mbps. Carries a DB 9-pin male connector.

**MSRP – \$39<sup>00</sup>**  
MIKROE-2627



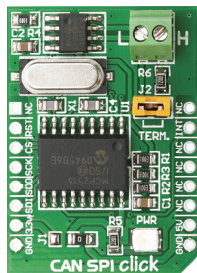
### CAN SPI Click 3.3V

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Adds CAN connectivity with SPI interface. Features SN65HVD230 CAN transceiver circuit.

**MSRP – \$21<sup>00</sup>**  
MIKROE-986



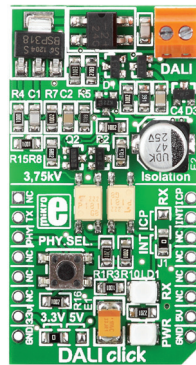
### CAN SPI Click 5V

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Adds CAN connectivity with SPI interface. With MCP2551 CAN transceiver circuit.

**MSRP – \$21<sup>00</sup>**  
MIKROE-988



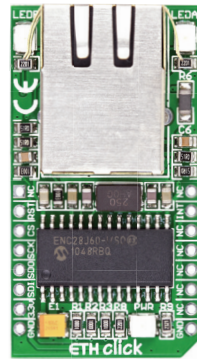
### DALI Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Provides Digital Lighting Interface. With two optocouplers, push button, screw terminal.

**MSRP – \$25<sup>00</sup>**  
MIKROE-1297



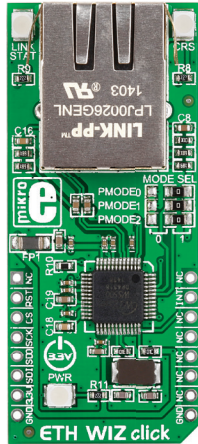
### ETH Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With ENC28J60, a 28-pin, 10BASE-T stand-alone Ethernet controller with an on-board MAC & PHY.

**MSRP – \$24<sup>00</sup>**  
MIKROE-971

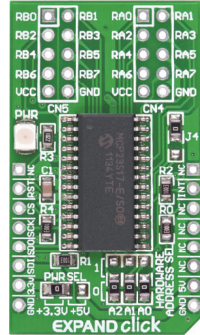


### ETH WIZ Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With W5500, a 48-pin, 10/100 BASE-TX stand-alone Ethernet controller. Standard RJ-45 connector.

MSRP – \$19<sup>00</sup>  
MIKROE-1718

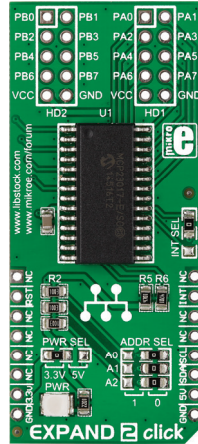


### EXPAND Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Expands the number of input-output lines with Microchip's 16-bit I/O expander MCP23S17.

MSRP – \$12<sup>00</sup>  
MIKROE-951

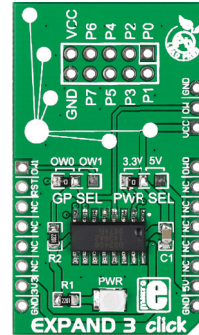


### Expand 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Expands the number of input-output lines with Microchip's 16-bit I/O expander MCP23017.

MSRP – \$12<sup>00</sup>  
MIKROE-1838

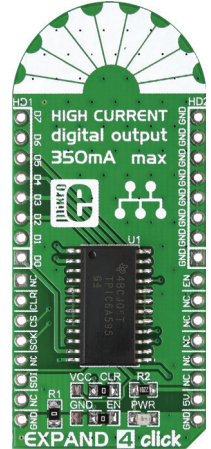


### Expand 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With DS2408, an 8-channel programmable I/O expander from Maxim Integrated.

MSRP – \$19<sup>00</sup>  
MIKROE-1874

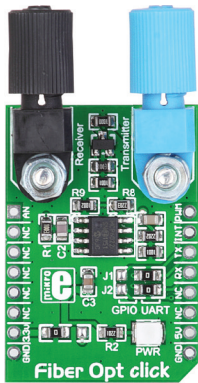


### EXPAND 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Port expander for high power peripherals with TPC1C6A595 power logic 8-bit register.

MSRP – \$14<sup>00</sup>  
MIKROE-1910



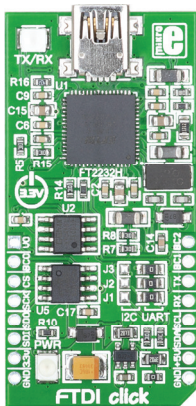
### Fiber Opt Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Adds fiber-optic communication with IF-D91 fiber-optic photodiode, IF-E97 fiber-optic LED diode.

MSRP – \$34<sup>00</sup>  
MIKROE-1940



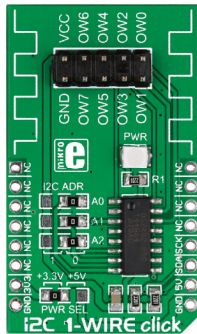
### FTDI Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With FT232RL - dual high speed USB 2.0 to UART/I2C/SPI serial interface converter.

MSRP – \$29<sup>00</sup>  
MIKROE-1421



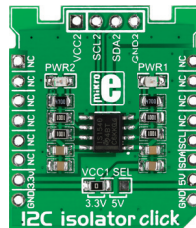
### I2C 1-Wire Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Performs bidirectional conversions between I2C masters and 1-Wire slave devices with DS2482-800.

MSRP – \$28<sup>00</sup>  
MIKROE-1892



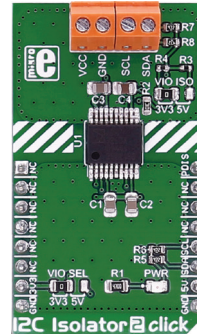
### I2C Isolator Click

5V 3.3V SPI I2C

UART GPIO PWM AN

TI's ISO1540, a low-power, bidirectional isolator compatible with I2C interfaces.

MSRP – \$18<sup>00</sup>  
MIKROE-1878



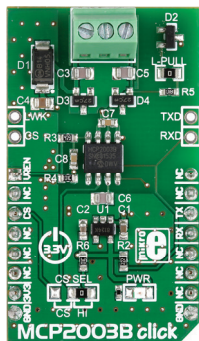
### I2C Isolator 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Provides I2C lines and power isolation for slave devices with ADM3260 dual I2C isolator.

MSRP – \$24<sup>00</sup>  
MIKROE-2609

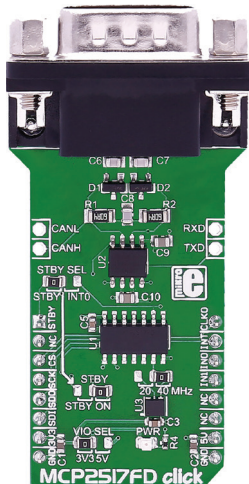


**MCP2003B Click**

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

It's a physical interface to automotive and industrial LIN systems with a bi-directional LIN transceiver.

**MSRP - \$18<sup>00</sup>**  
 MIKROE-2227

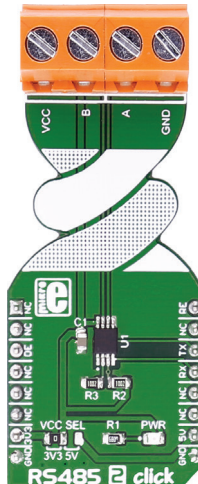


**MCP2517FD Click**

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With MCP2517FD CAN FD controller and ATA6563 high-speed CAN transceiver.

**MSRP - \$25<sup>00</sup>**  
 MIKROE-2379

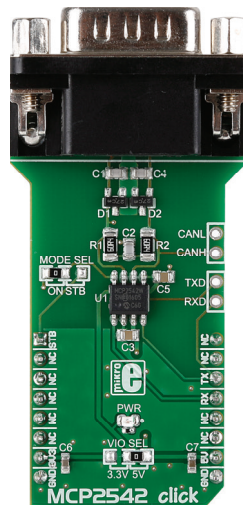


**RS485 2 Click**

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Carries MAX3471 half-duplex transceiver for lithium battery-powered RS-485/RS-422 applications.

**MSRP - \$18<sup>00</sup>**  
 MIKROE-2700

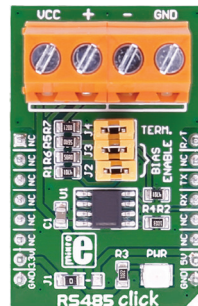


**MCP2542 Click**

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Microchip's CAN FD Transceiver with Wake-Up Pattern. Compliant with CAN 2.0 and CAN FD.

**MSRP - \$20<sup>00</sup>**  
 MIKROE-2299



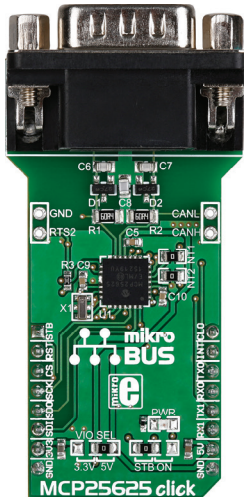
**RS485 Click 3.3V**

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Carries SN-65HVD12 half-duplex, RS-485 transceiver from Texas Instruments.

**MSRP - \$18<sup>00</sup>**  
 MIKROE-989





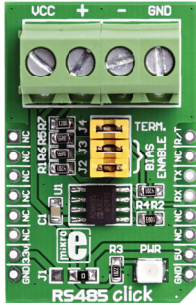
### MCP25625 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With CAN controller with an integrated transceiver. High speed operation up to 1 Mb/s.

MSRP – \$24<sup>00</sup>  
MIKROE-2228



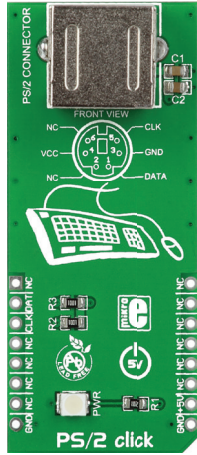
### RS485 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries the ADM485 differential line transceiver from Analog Devices.

MSRP – \$18<sup>00</sup>  
MIKROE-925



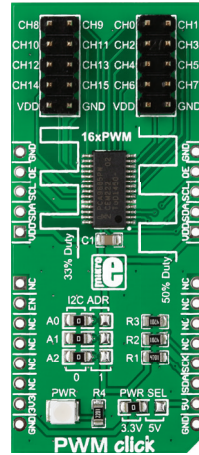
### PS/2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Adds keyboard and mouse connectivity. With a standard 6-pin Mini-DIN PS/2 connector.

MSRP – \$9<sup>00</sup>  
MIKROE-1576



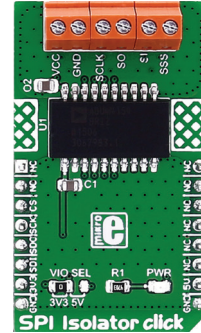
### PWM Click

5V 3.3V SPI I2C

UART GPIO PWM AN

For controlling 16 PWM outputs through a single I2C interface. With PCA9685PW IC.

MSRP – \$14<sup>90</sup>  
MIKROE-1898



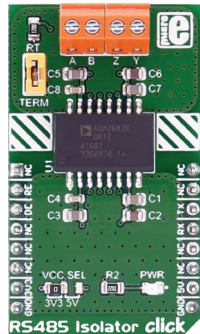
### SPI Isolator Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries ADuM4154 5kV digital isolator optimized for a serial peripheral interface [SPI].

MSRP – \$29<sup>00</sup>  
MIKROE-2583

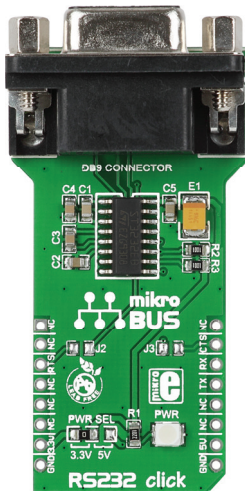


### RS485 Isolator Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With ADM2682EBRIZ, a 5 kV RMS signal and power isolated RS-485 transceiver.

MSRP - \$49<sup>00</sup>  
MIKROE-2673

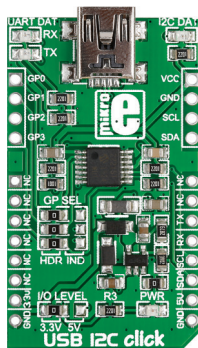


### RS232 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Adds RS232 connectivity with a standard RS232 DB9 port and a MAX3232 IC.

MSRP - \$15<sup>00</sup>  
MIKROE-1582

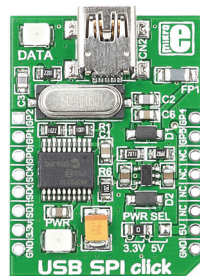


### USB I2C Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With MCP2221 USB-to-UART/I2C converter. Full-speed USB [12 Mb/s], I2C up to 400 kHz clock rates.

MSRP - \$13<sup>90</sup>  
MIKROE-1985

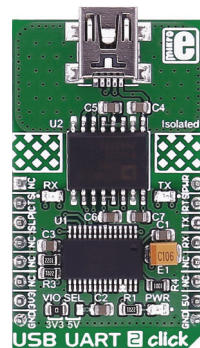


### USB SPI Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Microchip's MCP2210 USB-to-SPI protocol converter with GPIO as well as USB MINI B connector.

MSRP - \$13<sup>90</sup>  
MIKROE-1204

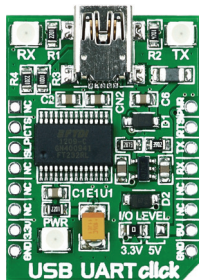


### USB UART 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Provides USB isolation and carries the AD-UM4160BRWZ USB port isolator.

MSRP - \$39<sup>00</sup>  
MIKROE-2674



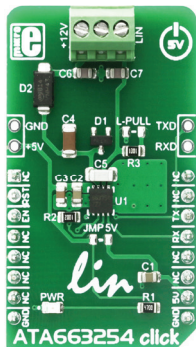
### USB UART Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Adds serial UART communication via USB cable. With FT232RL USB-to-UART interface module.

**MSRP - \$13<sup>90</sup>**  
MIKROE-1203



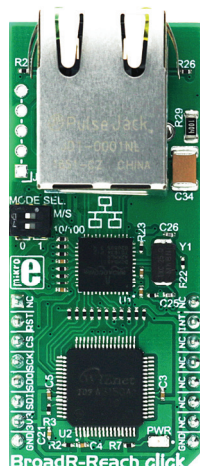
### ATA663254 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

It is a fully integrated LIN transceiver device with an integrated 5V LDO voltage regulator.

**MSRP - \$16<sup>90</sup>**  
MIKROE-2872



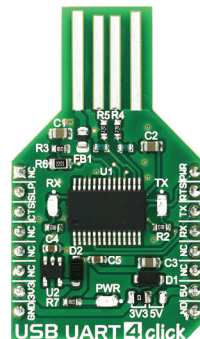
### BroadR-Reach Click

5V 3.3V SPI I2C

UART GPIO PWM AN

For realizing network in harsh environments that require reliable Ethernet-based open network.

**MSRP - \$69<sup>90</sup>**  
MIKROE-2796



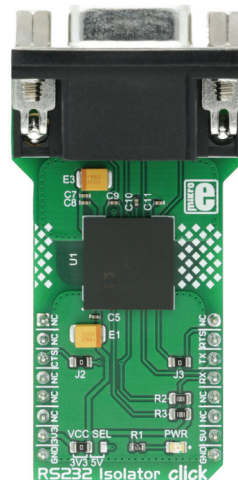
### USB UART 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

USB to asynchronous serial data transfer interface. With FT232RL, USB-to-UART interface module.

**MSRP - \$13<sup>90</sup>**  
MIKROE-2810



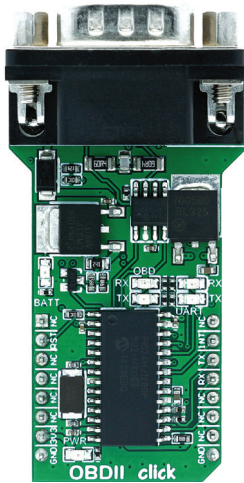
### RS232 Isolator Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Isolated dual transceiver Click - secure and easy UART to RS232 conversion, with galvanic isolation.

**MSRP - \$56<sup>00</sup>**  
MIKROE-2864

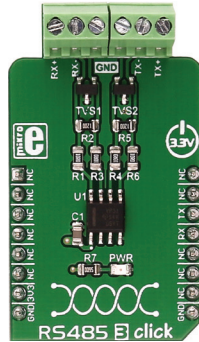


### OBDII Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Tap inside the car diagnostic systems! Features the STN1110 Multiprotocol OBD to UART Interface.

MSRP - \$47<sup>90</sup>  
 MIKROE-2452

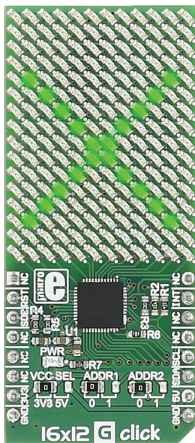


### RS485 3 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

The Click is intended to be used as UART to RS422/RS485 communication interface.

MSRP - \$20<sup>00</sup>  
 MIKROE-2821



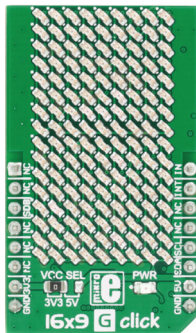
### 16x12 G Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a 16x12 LED display and the IS-31FL3733 matrix driver with 1/12 cycle rate.

**MSRP – \$30<sup>00</sup>**  
MIKROE-2758



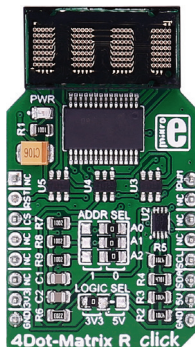
### 16x9 G Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a green 16x9 LED matrix and IS31FL3731 audio modulated matrix LED driver.

**MSRP – \$34<sup>00</sup>**  
MIKROE-2520



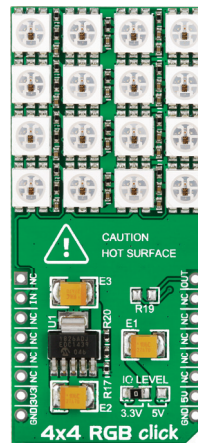
### 4Dot-Matrix R Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Displays 4 char. of 5x7 dot size. With SL02016 module and MCP23017 I2C port expander.

**MSRP – \$59<sup>00</sup>**  
MIKROE-2706



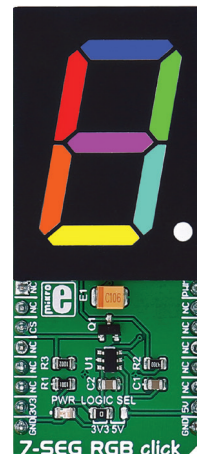
### 4x4 RGB Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a matrix of 16 WS2812 RGB LEDs a MCP1826 low dropout regulator.

**MSRP – \$19<sup>00</sup>**  
MIKROE-1881



### 7-SEG RGB Click

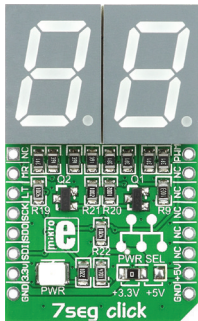
5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a full color single 7 segment digit display. 16,581,375 color combinations.

**MSRP – \$29<sup>00</sup>**  
MIKROE-2734



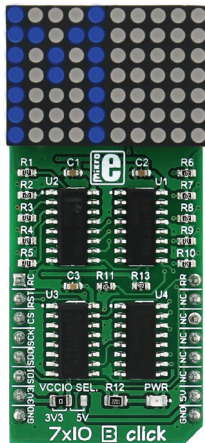


### 7seg Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

2-digit seven-seg display. With two 74HC595 8-bit serial-in, parallel-out shift registers.

MSRP - \$10<sup>00</sup>  
MIKROE-1201

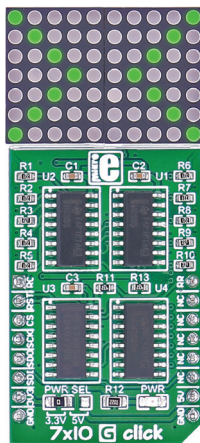


### 7x10 B Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a matrix of 70 blue LEDs driven by a pair of 8-bit serial-in, parallel-out shift registers.

MSRP - \$15<sup>00</sup>  
MIKROE-2769

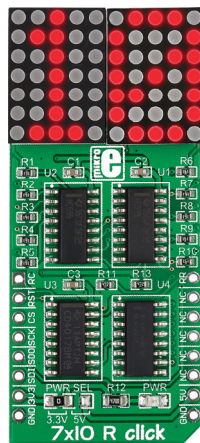


### 7x10 G Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a matrix of 70 green LEDs driven by a pair of 8-bit serial-in, parallel-out shift registers.

MSRP - \$15<sup>00</sup>  
MIKROE-2705

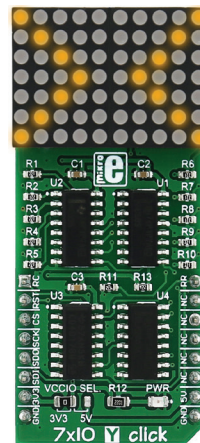


### 7x10 R Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a matrix of 70 red LEDs driven by a pair of 8-bit serial-in, parallel-out shift registers.

MSRP - \$15<sup>00</sup>  
MIKROE-1993



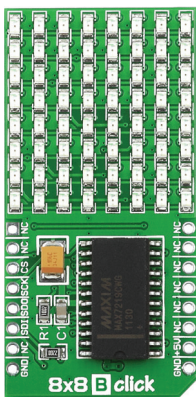
### 7x10 Y Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a matrix of 70 yellow LEDs driven by a pair of 8-bit serial-in, parallel-out shift registers.

MSRP - \$15<sup>00</sup>  
MIKROE-2790



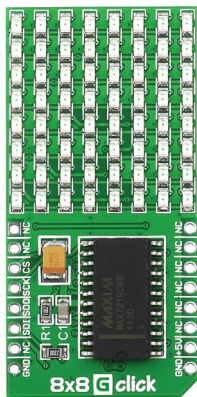


### 8x8 B Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features MAX7219 8-digit LED display driver module as well as 64 BLUE LEDs.

**MSRP - \$18<sup>00</sup>**  
MIKROE-1307

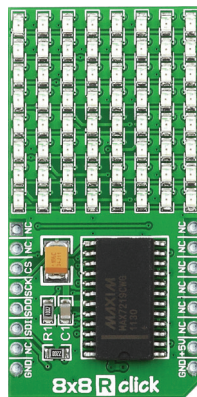


### 8x8 G Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features MAX7219 8-digit LED display driver module as well as 64 GREEN LEDs.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1306

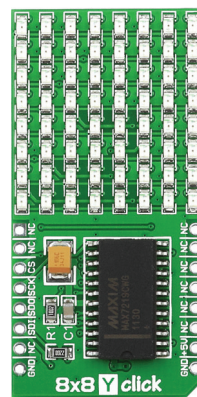


### 8x8 R Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features MAX7219 8-digit LED display driver module as well as 64 RED LEDs.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1295

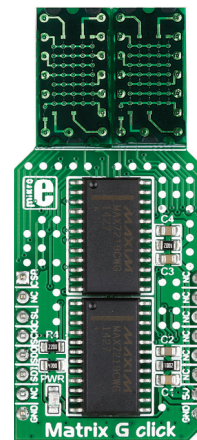


### 8x8 Y Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It features MAX7219 8-digit LED display driver module as well as 64 YELLOW LEDs.

**MSRP - \$15<sup>00</sup>**  
MIKROE-1294

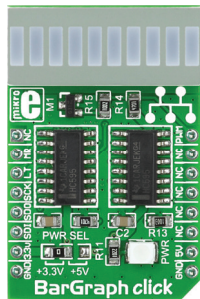


### Matrix G Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Matrix text display with two green 5x7 matrices and two MAX7219 8-bit LED display drivers.

**MSRP - \$29<sup>00</sup>**  
MIKROE-2246

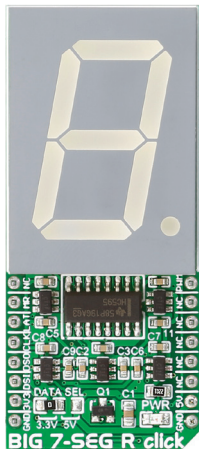


### BarGraph Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With 10-segment JSB-R102510Z light bar display and two 74HC595 8-bit shift registers.

MSRP – \$12<sup>00</sup>  
MIKROE-1423

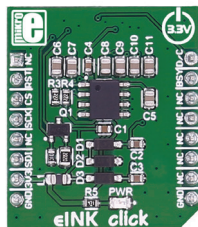


### BIG 7-SEG R Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With SC10-21SR-WA seven-segment display and parallel-OUT shift register 74HC595.

MSRP – \$19<sup>00</sup>  
MIKROE-2269

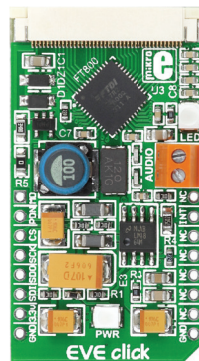


### eINK Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With an adapter for connecting eInk displays, with a 24pin ribbon cable.

MSRP – \$59<sup>00</sup>  
MIKROE-2659

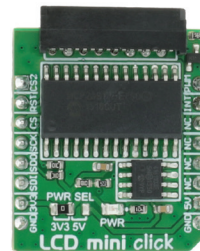


### EVE Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Brings visually stunning graphics even to 8-bit MCUs, with FT800Q graphics controller.

MSRP – \$39<sup>00</sup>  
MIKROE-1430

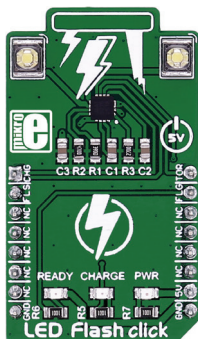


### LCD mini Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Displays 2x16 mono-chrome characters on an LMB162XFW LCD display.

MSRP – \$19<sup>00</sup>  
MIKROE-2453

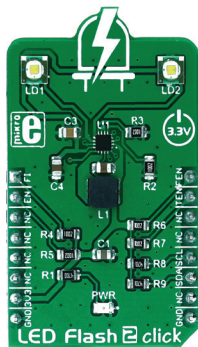


### LED Flash Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Functions as a high power LED flash, and carries the CAT3224 flash LED driver.

MSRP – \$34<sup>00</sup>  
MIKROE-2479

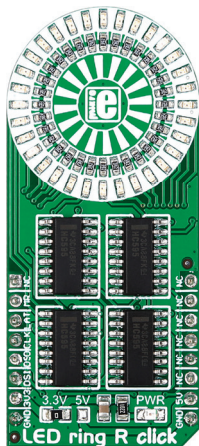


### LED Flash 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It is a powerful flash/torch Click, featuring the MIC2870 from Microchip.

MSRP – \$19<sup>00</sup>  
MIKROE-2830

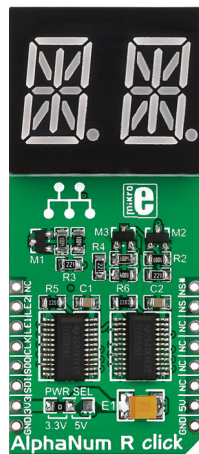


### Led ring R Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a ring of 32 red LEDs driven by four 74HC595 serial-in, parallel-out shift registers.

MSRP – \$16<sup>00</sup>  
MIKROE-2153

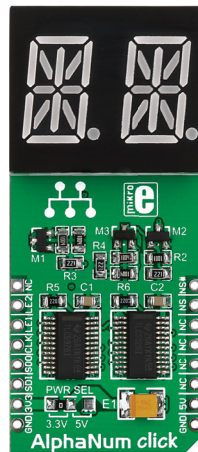


### AlphaNum R Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a dual character red LED 14-segment display and two TLC5926 16-bit shift registers.

MSRP – \$15<sup>00</sup>  
MIKROE-1864

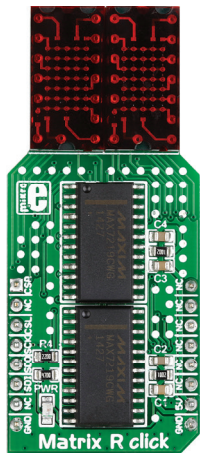


### AlphaNum G Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a dual character green LED 14-segment display and two TLC5926 16-bit shift registers.

MSRP – \$15<sup>00</sup>  
MIKROE-1851

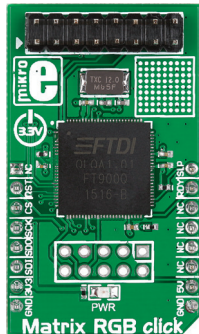


### Matrix R Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Matrix text display with two red 5x7 matrices and two MAX7219 8-bit LED display drivers.

MSRP - \$29<sup>00</sup>  
 MIKROE-2245

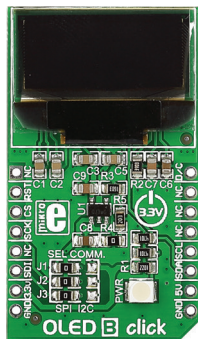


### Matrix RGB Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Powered by a 32-bit FT900 MCU designed specifically for powering 16x32 RGB LED matrices.

MSRP - \$24<sup>00</sup>  
 MIKROE-2239

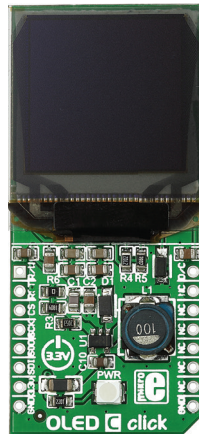


### OLED B Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With a 96 x 39px blue monochrome passive matrix OLED display and SSD1306 controller.

MSRP - \$24<sup>00</sup>  
 MIKROE-1650



### OLED C Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With PSP27801 OLED display and SSD1351 OLED driver with controller. Various color support.

MSRP - \$29<sup>00</sup>  
 MIKROE-1585

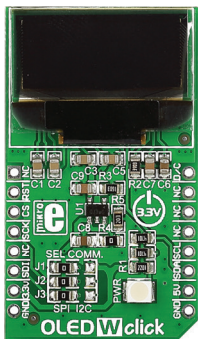


### OLED Switch Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With NKK Switch IS-C15ANP4 that combines a switch and a full color organic LED display.

MSRP - \$99<sup>00</sup>  
 MIKROE-2449



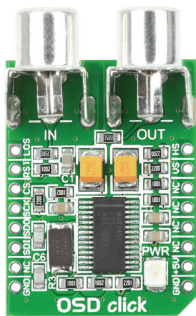
## OLED W Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a 96x39px white monochrome passive matrix OLED display.

MSRP - \$24<sup>00</sup>  
MIKROE-1649



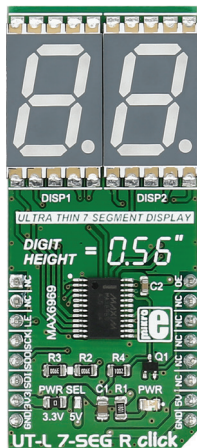
## OSD Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MAX7456 single-channel monochrome OSD module with integrated EEPROM memory.

MSRP - \$35<sup>00</sup>  
MIKROE-1366



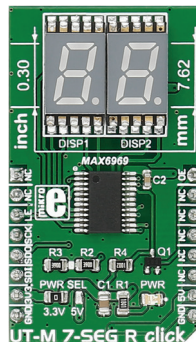
## UT-L 7-SEG R Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With two SMD ultra-thin LED 7-SEG displays and MAX6969 constant-current LED driver.

MSRP - \$44<sup>00</sup>  
MIKROE-2034



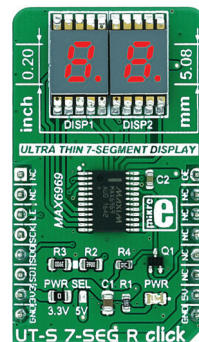
## UT-M 7-SEG R Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Add a double 7 segment display to your next project. RED emitting color.

MSRP - \$20<sup>00</sup>  
MIKROE-2746



## UT-S 7-SEG R Click

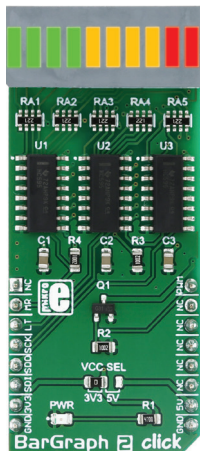
5V 3.3V SPI I2C

UART GPIO PWM AN

For displaying characters on two 7 segment displays. RED emitting color.

MSRP - \$20<sup>00</sup>  
MIKROE-2840



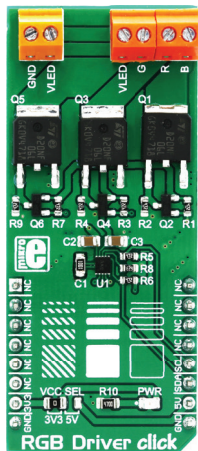


## BarGraph 2 Click

5V 3.3V SPI I2C  
 UART: GPIO: PWM: AN

The 74HC595, 8-bit serial-in, parallel-out shift registers with output latches.

MSRP – \$19<sup>00</sup>  
 MIKROE-3021



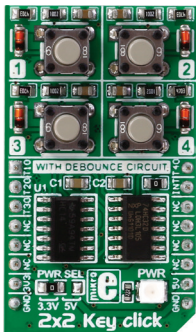
## RGB Driver Click

5V 3.3V SPI I2C  
 UART: GPIO: PWM: AN

The NCP5623B, a triple output RGB LED driver, controlled via the I2C interface, from ON Semiconductors.

MSRP – \$15<sup>00</sup>  
 MIKROE-3078



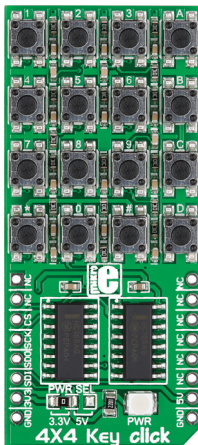


### 2x2 Key Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The Click has a 4 button keypad. It allows multiple key presses and has a debounce circuit.

MSRP - \$9<sup>00</sup>  
MIKROE-2152



### 4x4 Key Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries a 16 button keypad. Allows for multiple key presses at the same time.

MSRP - \$11<sup>00</sup>  
MIKROE-1889

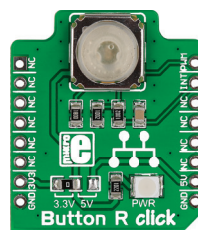


### Button G Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A single pushbutton - transparent, 6.8mm in diameter, with a green LED backlight.

MSRP - \$9<sup>00</sup>  
MIKROE-2040



### Button R Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A single pushbutton - transparent, 6.8mm in diameter, with a red LED backlight.

MSRP - \$9<sup>00</sup>  
MIKROE-1901



### Cap Extend Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With SX8633, capacitive button touch controller. 12 pins for connecting capacitive inputs.

MSRP - \$18<sup>00</sup>  
MIKROE-2238



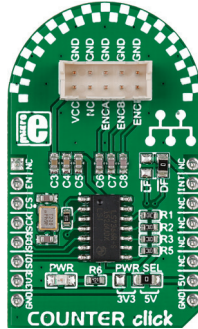
### CapSense Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Capacitive sensing module. Input - human body capacitance, output - the real time sensor information.

MSRP - \$16<sup>00</sup>  
MIKROE-1446



### COUNTER Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Counter Click carries an LS7366R 32-bit quadrature counter.

MSRP - \$25<sup>00</sup>  
MIKROE-1917



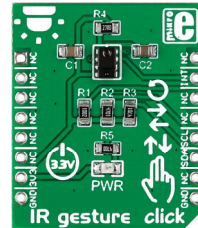
### Fingerprint Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Solution for adding biometric security to your design.

MSRP - \$55<sup>00</sup>  
MIKROE-1722



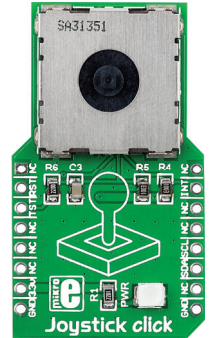
### IR gesture Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Enables contactless gesture recognition. With ambient light and proximity sensing capabilities.

MSRP - \$16<sup>00</sup>  
MIKROE-2086



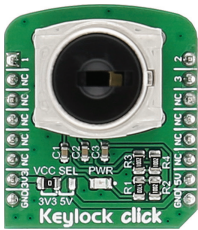
### Joystick Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A smart navigation key concept based on contactless, magnetic movement detection.

MSRP - \$22<sup>00</sup>  
MIKROE-1506



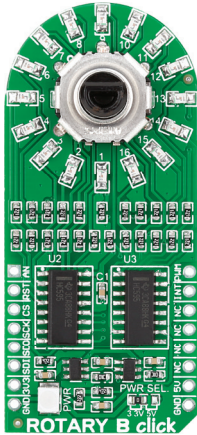
## Keylock Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a processed sealed key lock mechanism that can be set in 3 different positions.

MSRP - \$25<sup>00</sup>  
MIKROE-2564



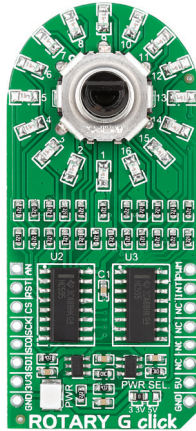
## ROTARY B Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 blue LEDs.

MSRP - \$12<sup>00</sup>  
MIKROE-1824



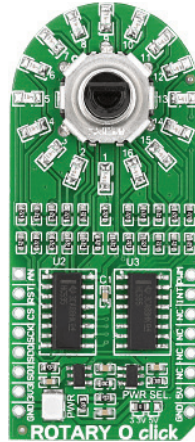
## ROTARY G Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 green LEDs.

MSRP - \$12<sup>00</sup>  
MIKROE-1822



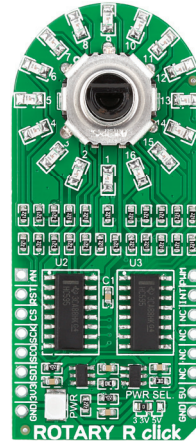
## ROTARY O Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 orange LEDs.

MSRP - \$12<sup>00</sup>  
MIKROE-2360



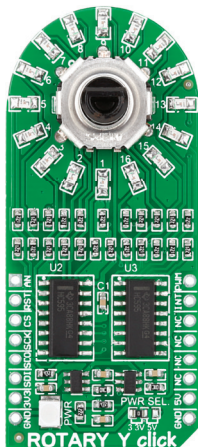
## ROTARY R Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 red LEDs.

MSRP - \$12<sup>00</sup>  
MIKROE-1823

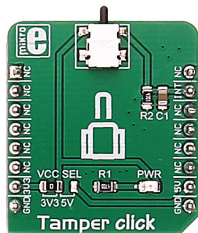


### ROTARY Y Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 yellow LEDs.

MSRP - \$12<sup>00</sup>  
MIKROE-1825

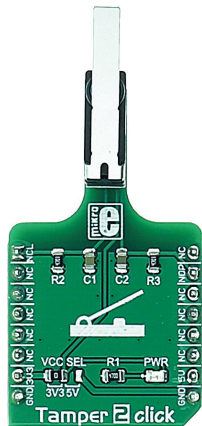


### Tamper Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Equipped with SDS001, a low profile side-actuated detect switch.

MSRP - \$9<sup>00</sup>  
MIKROE-2551

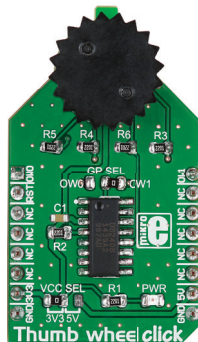


### Tamper 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Levered D2HW-A221D Outputs signal in both positions - pressed and released.

MSRP - \$15<sup>00</sup>  
MIKROE-2552

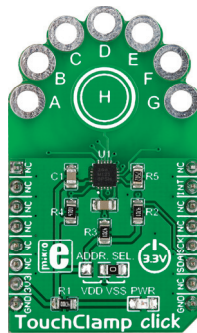


### Thumb wheel Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a 10-position rotary sprocket connected to a 1-Wire 8-Channel Addressable Switch.

MSRP - \$29<sup>00</sup>  
MIKROE-2366

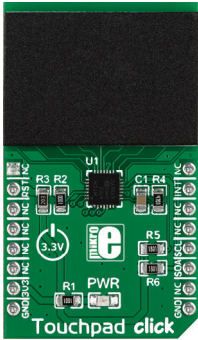


### TouchClamp Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With NXP's MPR121 proximity capacitive touch sensor controller. 7 plated holes for clamps.

MSRP - \$9<sup>00</sup>  
MIKROE-2294



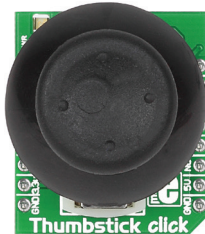
### Touchpad Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Capacitive touch input device driven by Microchip's MTCH6102 controller.

MSRP - \$15<sup>00</sup>  
MIKROE-1995



### Thumbstick Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A high precision input device with a dual axis, spring return and push-button enabled joystick.

MSRP - \$20<sup>00</sup>  
MIKROE-1627



### Cap Extend 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With four capacitive sensor pads that can sense touch through a variety of different materials.

MSRP - \$16<sup>00</sup>  
MIKROE-2474



### Cap Touch Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A capacitive touch sensing button, integrated on a Click board™.

MSRP - \$16<sup>00</sup>  
MIKROE-2888



### Cap Touch 2 Click

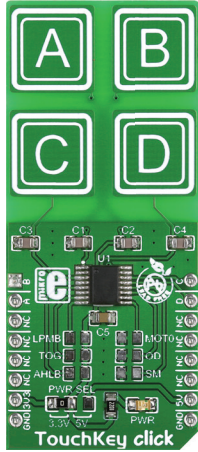
5V 3.3V SPI I2C

UART GPIO PWM AN

a capacitive touch sensing button, which features the CAP1166.

MSRP - \$15<sup>00</sup>  
MIKROE-2954



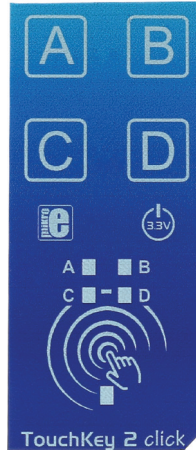


### TouchKey Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It has four capacitive pads powered by TTP224, a touchpad detector IC.

**MSRP - \$12<sup>00</sup>**  
MIKROE-1906



### TouchKey 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With 4 capacitive pads powered by Microchip's ATtiny817. Integrated touch QTouch® controller.

**MSRP - \$16<sup>00</sup>**  
MIKROE-2474



### TouchKey 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Equipped with advanced capacitive sensors, based on the proprietary QTouch® technology.

**MSRP - \$19<sup>00</sup>**  
MIKROE-2405

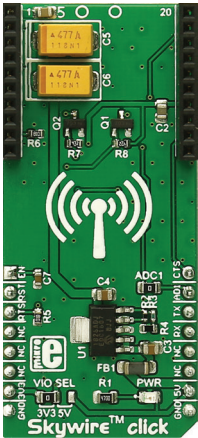


### TouchKey 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A capacitive touch sensing button, with the advanced touch/proximity sensor IC.

**MSRP - \$15<sup>00</sup>**  
MIKROE-2965

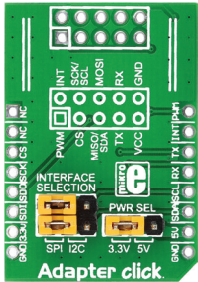


### Skywire™ Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Adapter Click, which hosts NimbeLink/Skywire™ cellular modems [using stacking headers].

MSRP – \$19<sup>00</sup>  
 MIKROE-2405

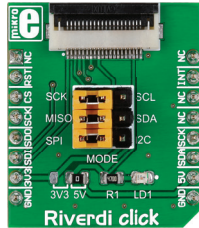


### Adapter Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Simplifies connection of the add-on boards with IDC10 headers to mikroBUS™ socket.

MSRP – \$6<sup>50</sup>  
 MIKROE-1432

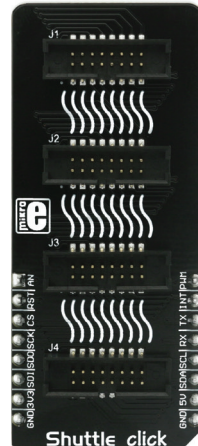


### Riverdi Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

An adapter for connecting Riverdi TFT displays to a mikroBUS™ socket.

MSRP – \$9<sup>00</sup>  
 MIKROE-2100

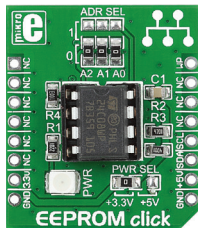


### Shuttle Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

The mikroBUS™ socket expansion board, which allows stacking up to four Click boards™.

MSRP – \$8<sup>00</sup>  
 MIKROE-2880

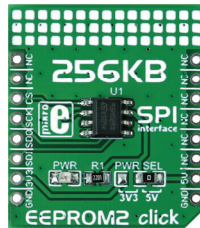


### EEPROM Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With 24C08WP - a highly reliable, high performance CMOS technology serial 8K EEPROM.

MSRP - \$8<sup>00</sup>  
MIKROE-1200

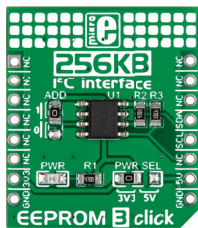


### EEPROM 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With M95M02-DR DIP-8 socket EEPROM chip with 256 KB of memory from STMicroelectronics.

MSRP - \$18<sup>00</sup>  
MIKROE-1909

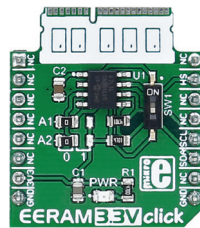


### EEPROM 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With AT24CM02 DIP-8 socket EEPROM chip with 256 KB of memory from Microchip.

MSRP - \$14<sup>00</sup>  
MIKROE-1989

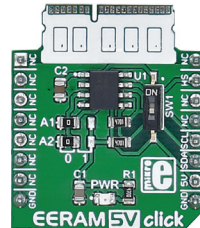


### EERAM 3.3V Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With 47L16 EERAM, a 16Kbit SRAM with EEPROM Backup from Microchip.

MSRP - \$14<sup>00</sup>  
MIKROE-2728

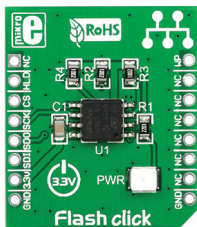


### EERAM 5V Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With 47C16 EERAM, a 16Kbit SRAM with EEPROM Backup from Microchip.

MSRP - \$14<sup>00</sup>  
MIKROE-2729

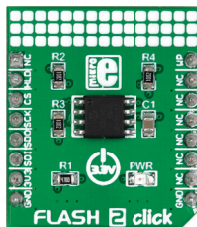


### Flash Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With EN25Q80B - 8Mb serial Flash memory module. Clock frequency up to 75MHz.

**MSRP - \$10<sup>00</sup>**  
 MIKROE-1189

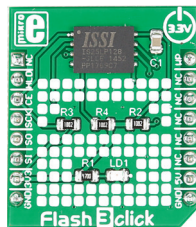


### Flash 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

It carries Microchip's SST26VF064B flash-memory module with 64 Mbits capacity.

**MSRP - \$12<sup>00</sup>**  
 MIKROE-2267

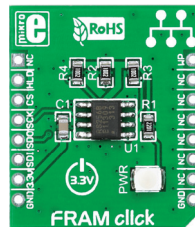


### Flash 3 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With ISSI's IS25LP128 IC with 128 Mbit capacity. 50MHz at Normal, 133MHz at Fast Read speeds.

**MSRP - \$12<sup>00</sup>**  
 MIKROE-2374

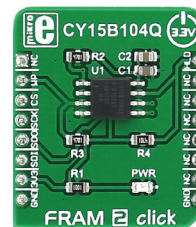


### FRAM Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

256K [32,768 words x 8 bits] of Ferroelectric Random Access Memory with MB85RS256A module.

**MSRP - \$15<sup>00</sup>**  
 MIKROE-1486

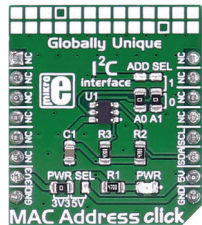


### FRAM 2 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With CY15B104Q 4-Mbit [512K x 8] serial F-RAM from Cypress. 100 trillion [10<sup>14</sup>] read/writes.

**MSRP - \$19<sup>00</sup>**  
 MIKROE-2768



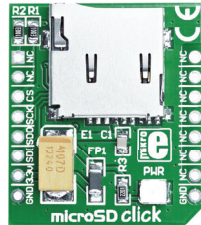
### MAC Address Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A unique node address. Carries 24AA025E64 2Kb Serial EEPROM with EUI-64™ node identity.

MSRP – \$9<sup>00</sup>  
MIKROE-2733



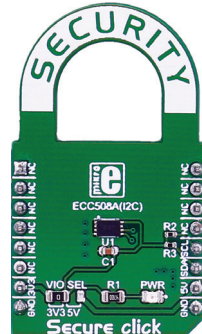
### microSD Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With a microSD card slot for microSD cards used as a mass storage media for portable devices.

MSRP – \$16<sup>00</sup>  
MIKROE-924



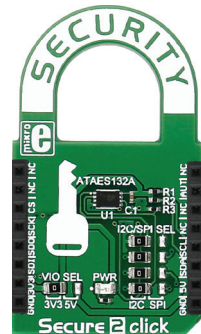
### Secure Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With ATECC508A cryptographic coprocessor with secure hardware-based key storage.

MSRP – \$9<sup>00</sup>  
MIKROE-2522



### Secure 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Microchip's ATAES132A, a cryptographic coprocessor with secure hardware-based key storage.

MSRP – \$9<sup>00</sup>  
MIKROE-2760



### Secure 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Microchip's ATSHA204A, a cryptographic coprocessor with secure hardware-based key storage.

MSRP – \$9<sup>00</sup>  
MIKROE-2761





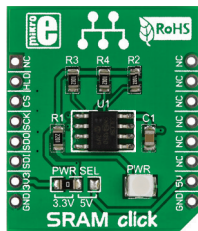
### Secure 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Includes the ATECC608A, a secure CryptoAuthentication™ device from Microchip.

**MSRP – \$9<sup>00</sup>**  
MIKROE-2829



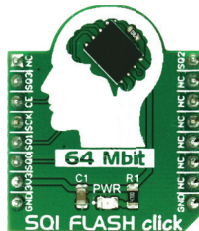
### SRAM Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Provides 1 Mbit of additional SRAM memory, via Microchip's 23LC1024.

**MSRP – \$15<sup>00</sup>**  
MIKROE-1902



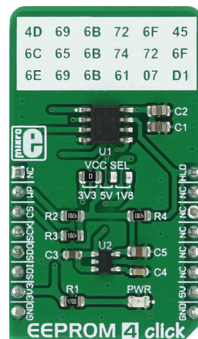
### SQI FLASH Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Based on the SST-26VF064B, a 64 Mbit Serial Quad I/O flash device from Microchip.

**MSRP – \$13<sup>90</sup>**  
MIKROE-2828



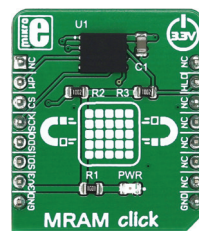
### EEPROM 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

An EEPROM memory medium with the capacity of 256KB.

**MSRP – \$15<sup>00</sup>**  
MIKROE-2536



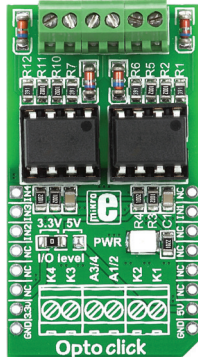
### MRAM Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Uses the MR25H256, a 256 kilobits serial SPI MRAM memory module from Everspin company.

**MSRP – \$18<sup>00</sup>**  
MIKROE-2914

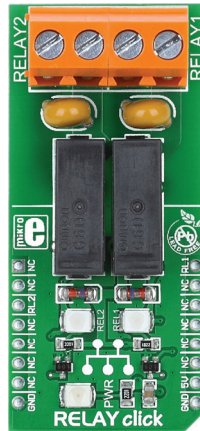


### Opto Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

It features two V02630 dual channel, high speed optocoupler modules.

MSRP – \$21<sup>00</sup>  
 MIKROE-1196

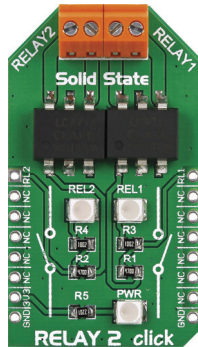


### RELAY Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With two G6D1AA-5DC power PCB relay modules. Controls up to 5A, 250V AC/30V DC loads.

MSRP – \$18<sup>00</sup>  
 MIKROE-1370

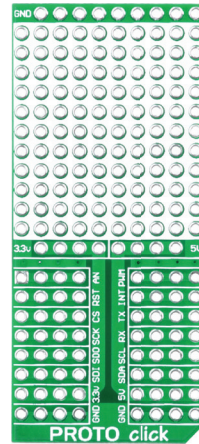


### Relay 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Carries two LCA717 single-pole, OptoMOS® solid state relays.

MSRP – \$26<sup>00</sup>  
 MIKROE-1899

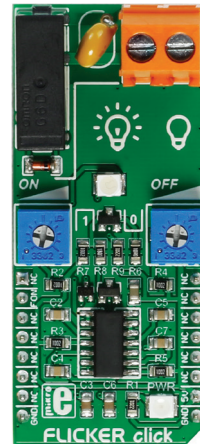


### PROTO Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

10x11 prototyping area and additional power pads for creating custom electronics or Click boards™.

MSRP – \$4<sup>00</sup>  
 MIKROE-1507

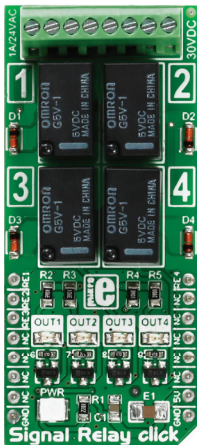


### FLICKER Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

TI's NA556 dual precision timer and Omron's G6D-ASI power PCB relay. ON/OFF 0.1-6 sec.

MSRP – \$19<sup>00</sup>  
 MIKROE-2481

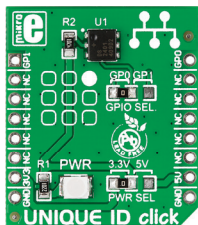


### Signal Relay Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

It carries four ultra-small G5V-1 PCB relays from Omron. For ON/OFF control.

MSRP - \$29<sup>00</sup>  
 MIKROE-2154

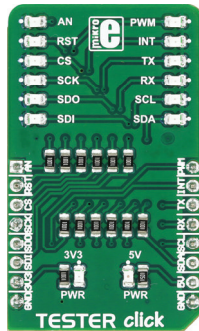


### UNIQUE ID Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With DS2401 enhanced silicon serial number IC. Provides a unique registration number.

MSRP - \$9<sup>00</sup>  
 MIKROE-1819

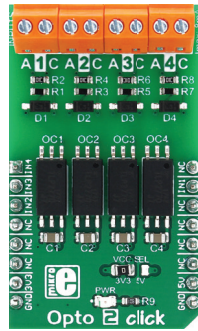


### TESTER Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

An ideal solution for testing and diagnostics of the mikroBUS™ socket pin states.

MSRP - \$6<sup>00</sup>  
 MIKROE-3083

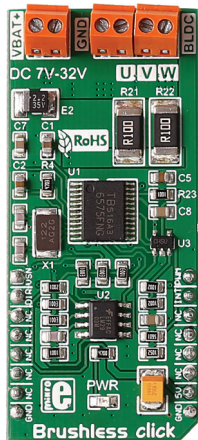


### Opto 2 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Uses four TLP2770, 20-Mbps low-power optocouplers, from Toshiba.

MSRP - \$25<sup>00</sup>  
 MIKROE-3015

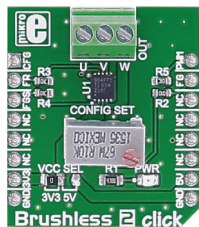


### Brushless Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Toshiba's TB6575F-NG IC for driving 3-phase full-wave Brushless DC motors.

MSRP - \$39<sup>00</sup>  
MIKROE-2441

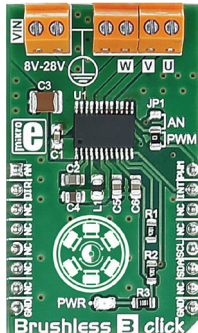


### Brushless 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It carries TI's DRV10964 BLDC motor controller with an integrated output stage.

MSRP - \$26<sup>00</sup>  
MIKROE-2754

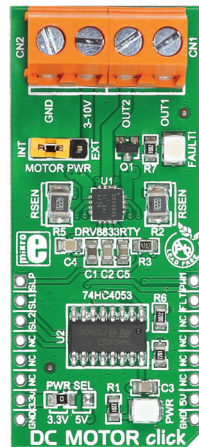


### Brushless 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With TI's DRV10983 three-phase sensorless motor driver with integrated power MOSFETs.

MSRP - \$19<sup>00</sup>  
MIKROE-2766

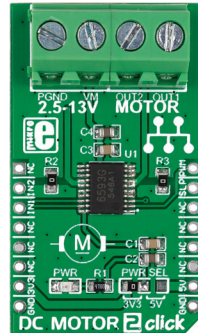


### DC MOTOR Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With TI's DRV8833RTH-Bridge motor driver and TI's 74HC4053 multiplexer.

MSRP - \$18<sup>00</sup>  
MIKROE-1526



### DC MOTOR 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With Toshiba's TB6593F-NG driver IC for direct current motors. Motors' supply voltage 2.5V-13V.

MSRP - \$17<sup>00</sup>  
MIKROE-2699



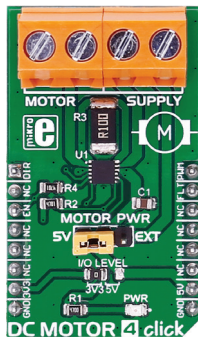
### DC MOTOR 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With Toshiba's TB-6549FG full-bridge driver for direct current motors. Up to 3.5A with 30V.

MSRP - \$19<sup>00</sup>  
MIKROE-2047



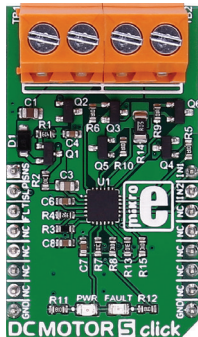
### DC MOTOR 4 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MAX14870 motor driver from Maxim Integrated. Motors' voltage supply 4.5V-36V.

MSRP - \$15<sup>00</sup>  
MIKROE-2221



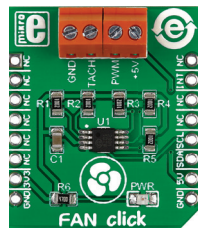
### DC MOTOR 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With TI's DRV8701 brushed DC motor full-bridge gate driver. Operating voltage supply 5.9V-45V.

MSRP - \$17<sup>00</sup>  
MIKROE-2699



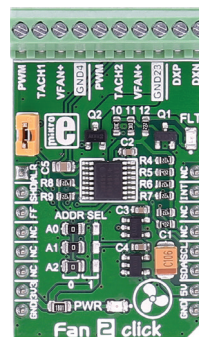
### Fan Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With EMC2301 controller for powering and regulating the operation of 5V four-wire fans.

MSRP - \$9<sup>90</sup>  
MIKROE-2004



### Fan 2 Click

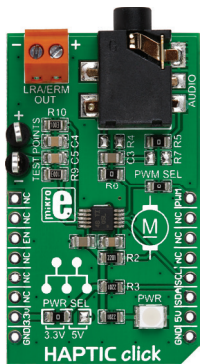
5V 3.3V SPI I2C

UART GPIO PWM AN

With MAX31760 precision fan-speed controller. Can control two fans at the same time.

MSRP - \$15<sup>00</sup>  
MIKROE-2708





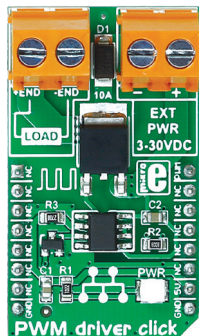
### HAPTIC Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With DRV2605 Haptic Driver for ERM and LRA vibration motors. Over 100 haptic effects library.

MSRP – \$23<sup>00</sup>  
MIKROE-2025



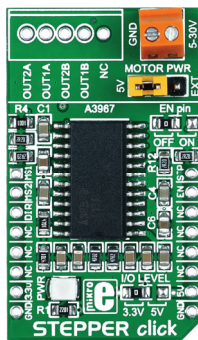
### PWM driver Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Silicon Labs' Si8711CC one-channel isolator for controlling DC motors with loads up to 10A.

MSRP – \$14<sup>00</sup>  
MIKROE-2272



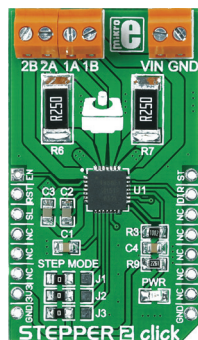
### STEPPER Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With A3967SLBT microstepping motor driver with a built-in translator. Max. output drive 30V, ±500 mA.

MSRP – \$18<sup>00</sup>  
MIKROE-1528



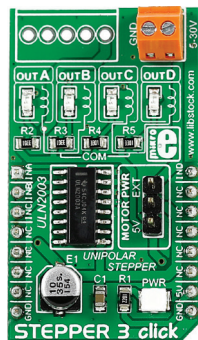
### STEPPER 2 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With A4988 microstepping motor driver. Required external power supply minimum 7V.

MSRP – \$19<sup>00</sup>  
MIKROE-1926



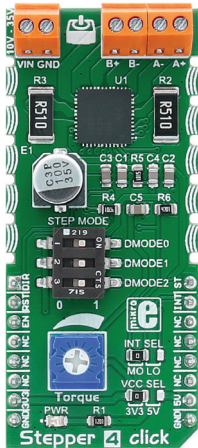
### STEPPER 3 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

With TI's ULN2003 High-Current Darlington transistor array. For precise motor control.

MSRP – \$19<sup>00</sup>  
MIKROE-2035

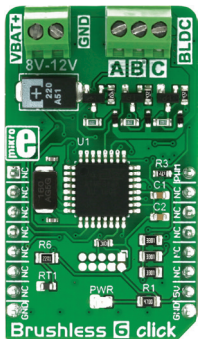


### STEPPER 4 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

With TB67S269FTG two-phase bipolar stepping motor driver from Toshiba.

MSRP – \$19<sup>00</sup>  
 MIKROE-2748

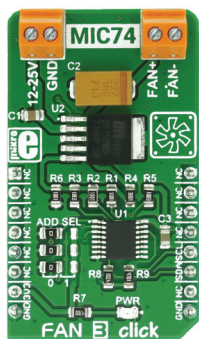


### Brushless 6 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Designed to drive a three-phase sensorless, brushless motor. With ATmega8A from Microchip.

MSRP – \$27<sup>00</sup>  
 MIKROE-2847

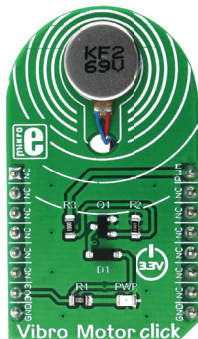


### Fan 3 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Perfect solution for speed control. It can operate in seven discrete speed steps.

MSRP – \$17<sup>80</sup>  
 MIKROE-2841

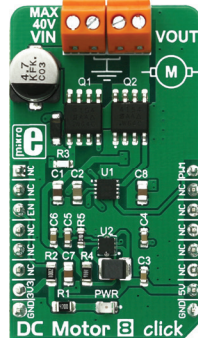


### Vibro Motor Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Features a compact size Eccentric Rotating Mass [ERM] motor, labeled as C1026B002F.

MSRP – \$12<sup>00</sup>  
 MIKROE-2826

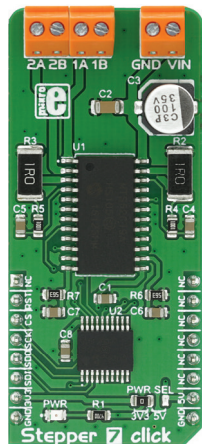


### DC Motor 8 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

The MIC4605, 85V half-bridge MOSFET driver with adaptive dead time and shoot-through protection.

MSRP – \$18<sup>00</sup>  
 MIKROE-2893



### Stepper 7 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

MTS62C19A Dual Full-Bridge Motor Driver, MCP23S08 8bit I/O Expander with Serial Interface.

MSRP - \$17<sup>00</sup>  
MIKROE-2912

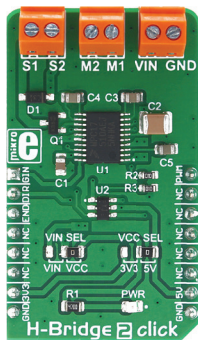


### H-Bridge Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the MC34933, a dual H-bridge driver, from NXP.

MSRP - \$16<sup>00</sup>  
MIKROE-3031

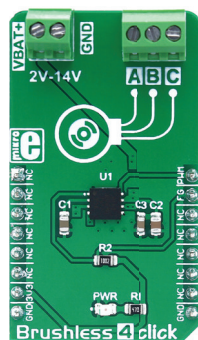


### H-Bridge 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the MPC17510, an H-Bridge DC motor driver, with up to 15V and 1.2A, from NXP.

MSRP - \$18<sup>00</sup>  
MIKROE-3000

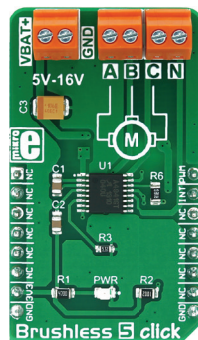


### Brushless 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The MCP8063, a 3 phase brushless sinusoidal sensorless motor driver, from Microchip.

MSRP - \$19<sup>00</sup>  
MIKROE-3019

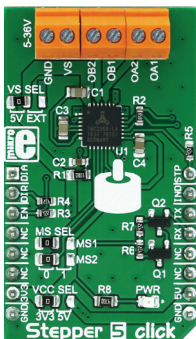


### Brushless 5 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the A4941, a three-phase sensorless fan driver IC, made by Allegro MicroSystems LLC.

MSRP - \$19<sup>00</sup>  
MIKROE-3032



## Stepper 5 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Uses the TM2208, a highly integrated bipolar step motor power driver, with the UART interface.

MSRP - \$17<sup>00</sup>  
 MIKROE-2624

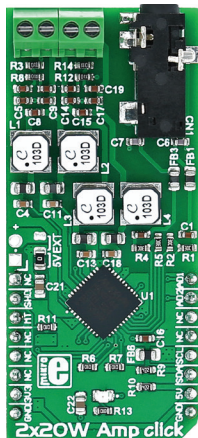


## Driver Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

The DRV777, an integrated motor and relay driver from Texas Instruments.

MSRP - \$13<sup>00</sup>  
 MIKROE-3109

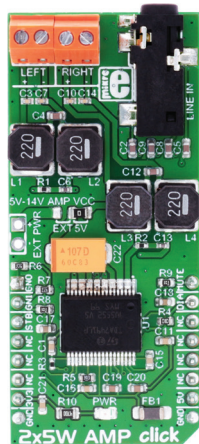


### 2x20W Amp Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries MAX9744 stereo class D audio power amplifier from Maxim Integrated.

MSRP - \$21<sup>00</sup>  
MIKROE-2779

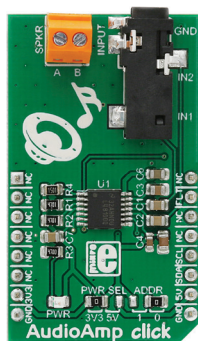


### 2x5W AMP Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Functions as an amplifier. With TDA7491LP 2x5-watt dual BTL class-D audio amplifier.

MSRP - \$19<sup>00</sup>  
MIKROE-2477

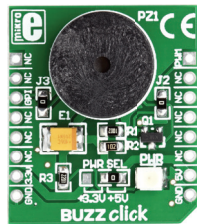


### AudioAmp Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A mono audio amplifier. With TI's LM48100Q-1 Boomer™ Mono, 1.3W Audio Power Amplifier IC.

MSRP - \$14<sup>00</sup>  
MIKROE-2368

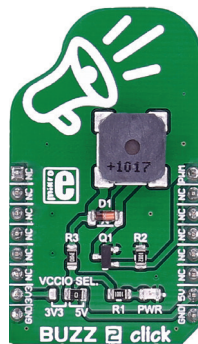


### BUZZ Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Features a piezo speaker capable of emitting audio signals. Resonant frequency 3.8 kHz.

MSRP - \$9<sup>00</sup>  
MIKROE-645



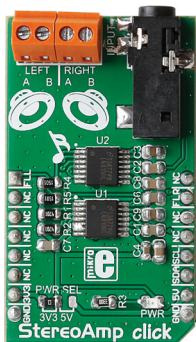
### BUZZ 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With CMT-8540S-SMT magnetic buzzer transducer. The buzzer's resonant frequency is 4 kHz.

MSRP - \$12<sup>00</sup>  
MIKROE-2720



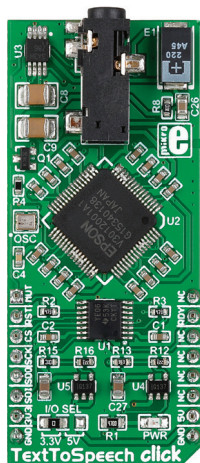


### StereoAmp Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With 2 TI's LM48100Q-Q1 Boomer™ single supply, mono, bridge-tied load amplifier ICs.

MSRP – \$24<sup>00</sup>  
MIKROE-2454

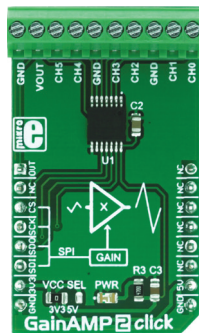


### TextToSpeech Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With S1V30120 speech synthesis IC powered by the Fonix DECTalk® v5 speech synthesis engine.

MSRP – \$39<sup>00</sup>  
MIKROE-2253



### GainAMP 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A 6-channel programmable gain amplifier. Amplifies up to 32x, in eight discrete steps.

MSRP – \$15<sup>00</sup>  
MIKROE-2859

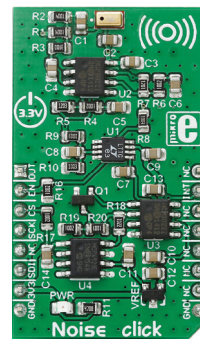


### RadioStation Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With the Si4713-B30, the best in class integrated FM broadcast stereo transmitter.

MSRP – \$25<sup>00</sup>  
MIKROE-2822

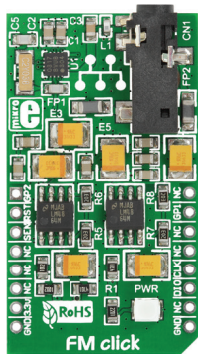


### Noise Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With noise detecting circuitry. Enables you to set a noise detection threshold.

MSRP – \$29<sup>00</sup>  
MIKROE-2371

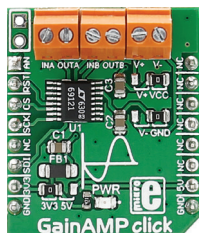


### FM Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Features Si4703 IC and functions as a FM radio tuner. Supports worldwide FM band [76–108 MHz].

MSRP – \$29<sup>00</sup>  
 MIKROE-1431

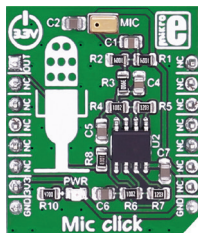


### GainAMP Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

Carries LTC®6912 dual channel, low noise, digitally programmable gain amplifier [PGA].

MSRP – \$15<sup>00</sup>  
 MIKROE-2555

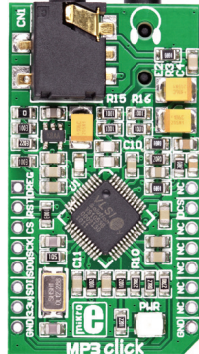


### Mic Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With SPQ0410HR5H-B surface mount silicon microphone with max. RF protection.

MSRP – \$9<sup>00</sup>  
 MIKROE-2563



### MP3 Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

With a stereo MP3 decoder VS1053. Multiple formats [MP3, MP1, MP2, MPEG4, etc.].

MSRP – \$21<sup>90</sup>  
 MIKROE-946



### 2x30W Amp Click

5V | 3.3V | SPI | I2C  
 UART | GPIO | PWM | AN

The TPA3128, 2x30-W class-D amplifier with low idle power dissipation, from TI.

MSRP – \$23<sup>00</sup>  
 MIKROE-3010



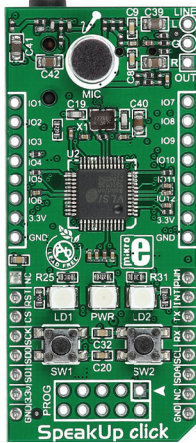
## AudioAmp 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The TDA7491, a 20W dual BTL class-D audio amplifier IC, from STMicroelectronics.

MSRP – \$21<sup>00</sup>  
MIKROE-3077



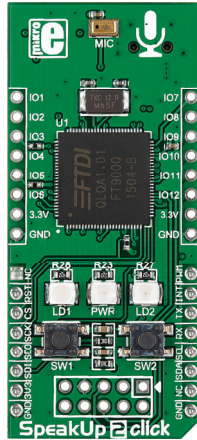
## SpeakUp Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A speech recognition Click. Can recognize over 200 different voice commands.

MSRP – \$39<sup>00</sup>  
MIKROE-1534



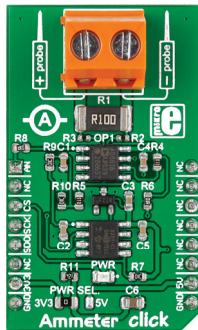
## SpeakUp 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A speech recognition Click. Set it up to recognize up to 100 commands.

MSRP – \$34<sup>00</sup>  
MIKROE-2375

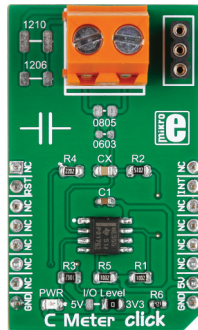


### Ammeter Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With circuitry for measuring electric current (AC and DC). 0.1A-1A measurement range.

MSRP - \$24<sup>00</sup>  
MIKROE-2377

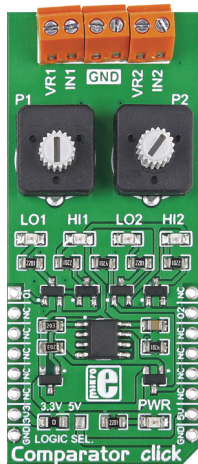


### C Meter Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Circuitry for measuring the value of capacitors. Based on NE-555 timer/square-wave generator.

MSRP - \$9<sup>00</sup>  
MIKROE-2376

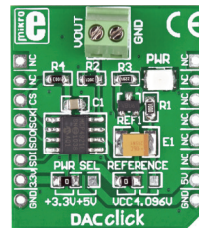


### Comparator Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries LM2903 IC, has two independent precision voltage comparators. 2 mV offset voltage.

MSRP - \$12<sup>00</sup>  
MIKROE-1915

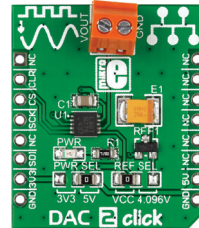


### DAC Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Includes a 12-bit Digital-to-Analog Converter MCP4921 from Microchip.

MSRP - \$18<sup>00</sup>  
MIKROE-950

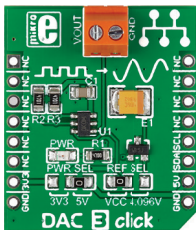


### DAC 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries LTC2601CDD, a 16-bit digital-to-analog converter from Linear Technology.

MSRP - \$19<sup>00</sup>  
MIKROE-1918



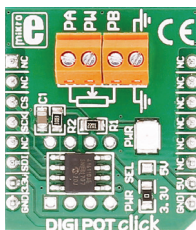
### DAC 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries Microchip's MCP4726 IC, a 12-bit digital-to-analog converter.

MSRP - \$18<sup>00</sup>  
MIKROE-2038



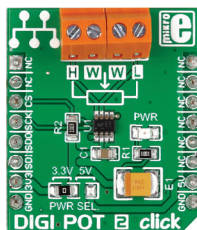
### DIGI POT Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MCP416 single-channel 8-bit resolution [256 wiper steps] digital potentiometer.

MSRP - \$16<sup>90</sup>  
MIKROE-923



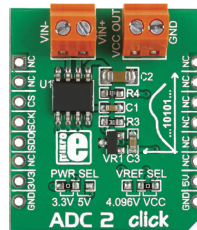
### DIGI POT 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries a single channel digital potentiometer TPL0501 with 256 wiper positions.

MSRP - \$16<sup>90</sup>  
MIKROE-2332



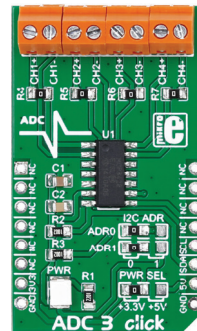
### ADC 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With MCP3551/3, a 22-bit ADC with automatic internal offset and gain calibration.

MSRP - \$24<sup>00</sup>  
MIKROE-1893



### ADC 3 Click

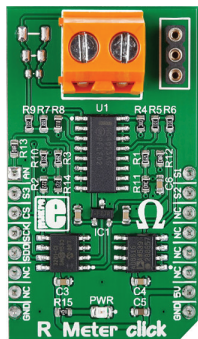
5V 3.3V SPI I2C

UART GPIO PWM AN

With Microchip's MCP3428 16-bit multichannel analog-to-digital converter.

MSRP - \$22<sup>00</sup>  
MIKROE-1894



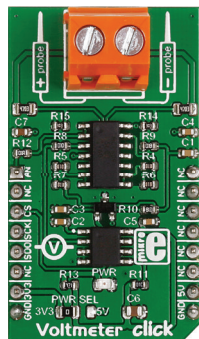


### R Meter Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With circuitry for measuring the value of resistors. A wide range of resistors [0-1 Mega Ohm].

MSRP - \$27<sup>00</sup>  
MIKROE-2396

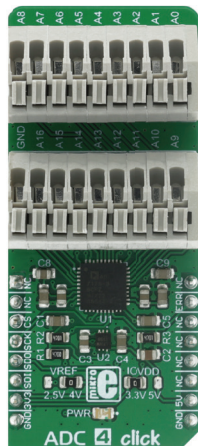


### Voltmeter Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

For measuring voltage in an external electric circuit. Measures direct current [from 0 to 24V].

MSRP - \$24<sup>00</sup>  
MIKROE-2436

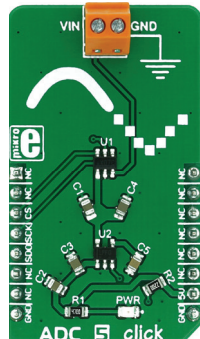


### ADC 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

An advanced analog to digital multichannel converter. It can work in 16bit or 24bit mode.

MSRP - \$65<sup>00</sup>  
MIKROE-2879

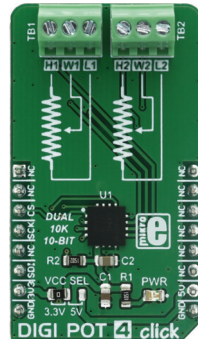


### ADC 5 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With a low power, single channel 12-bit CMOS analog to digital converter.

MSRP - \$18<sup>00</sup>  
MIKROE-2846

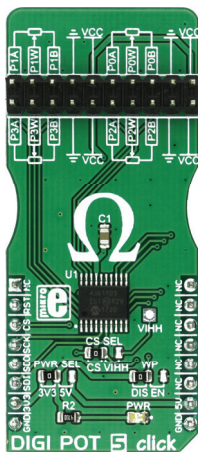


### DIGI POT 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A digitally controlled dual potentiometer, with the resistance of 10KΩ.

MSRP - \$21<sup>00</sup>  
MIKROE-2873



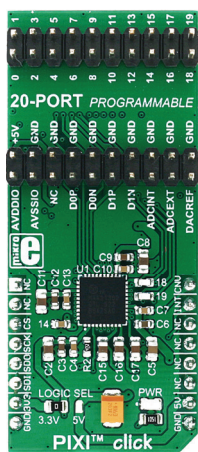
### DIGI POT 5 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A digitally controlled quad potentiometer, with the resistance of 10KΩ.

MSRP – \$16<sup>90</sup>  
MIKROE-2863



### PIXI™ Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features proprietary PIXI™ technology. Configurable 20-channel mixed-signal data converter.

MSRP – \$29<sup>00</sup>  
MIKROE-2817



### Slider Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Features a mechanical slide action potentiometer.

MSRP – \$24<sup>00</sup>  
MIKROE-2702



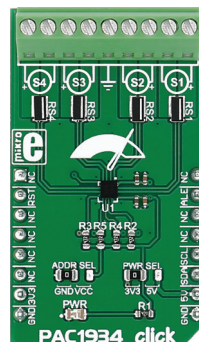
### LEM Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Measures AC and DC current [up to 200 KHz]. With LTS 6-NP current transducer.

MSRP – \$59<sup>00</sup>  
MIKROE-2553



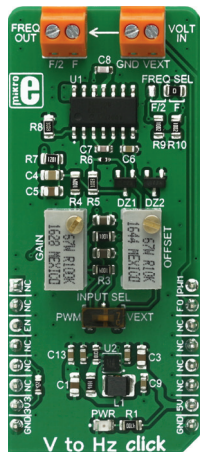
### PAC1934 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries PAC1934 four channel DC power/energy monitor from Microchip.

MSRP – \$29<sup>00</sup>  
MIKROE-2735

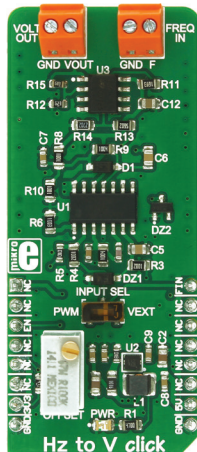


### V to Hz Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The TC9400, a voltage-to-frequency and frequency-to-voltage converter from Microchip.

MSRP - \$27<sup>00</sup>  
MIKROE-2889

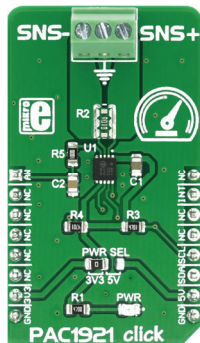


### Hz to V Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The TC9400, a voltage-to-frequency and frequency-to-voltage converter from Microchip.

MSRP - \$27<sup>00</sup>  
MIKROE-2890

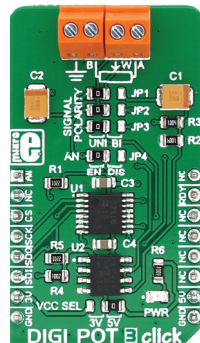


### PAC1921 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The PAC1921, a high side power/current monitor from Microchip.

MSRP - \$17<sup>00</sup>  
MIKROE-2910

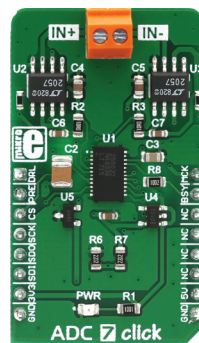


### DIGI POT 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The AD5321, a 1024-position (10bit) digital potentiometer with a non-volatile memory (EEMEM).

MSRP - \$21<sup>00</sup>  
MIKROE-3016

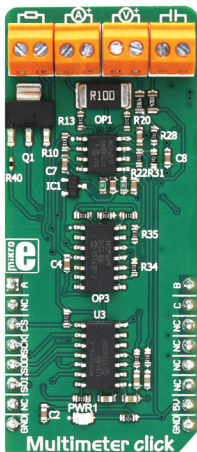


### ADC 7 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The LTC2500-32. It is a 32-bit oversampling ADC with a configurable digital filter, from Analog Devices.

MSRP - \$99<sup>00</sup>  
MIKROE-3115

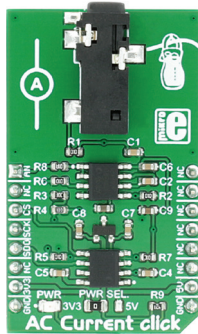


### Multimeter Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Has different ICs: amplifiers, NE555 timer, BCD decoder, frequency to voltage converter, and an A/D converter [ADC].

MSRP - \$39<sup>00</sup>  
MIKROE-3116

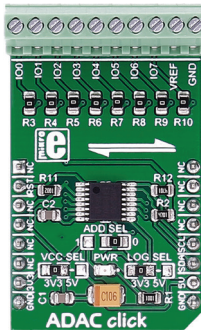


### AC Current Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Measure alternating currents up to 30A. MCP3204 ADC converter and MCP607 CMOS Op Amp.

MSRP - \$14<sup>00</sup>  
MIKROE-252

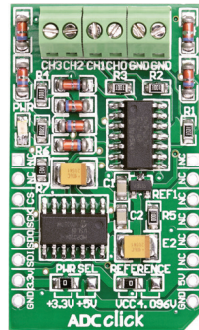


### ADAC Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

It's an 8-channel 12-bit ADC, DAC and GPIO. With AD5593R configurable ADC/DAC.

MSRP - \$26<sup>00</sup>  
MIKROE-2690

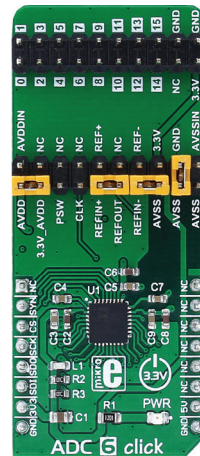


### ADC Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With Microchip's MCP3204 12-bit Analog-to-Digital converter.

MSRP - \$24<sup>00</sup>  
MIKROE-922

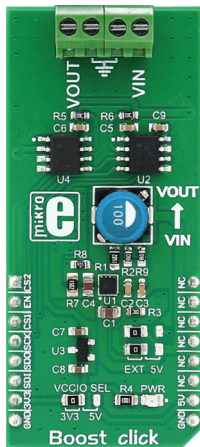


### ADC 6 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

With the AD7124-8, an 8 channel, low noise, low power, 24bit sigma-delta ADC.

MSRP - \$29<sup>00</sup>  
MIKROE-2932

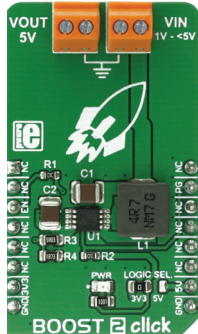


### Boost Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries Microchip's MIC2606, a 2MHz, PWM DC/DC boost switching regulator.

MSRP - \$21<sup>00</sup>  
MIKROE-2870

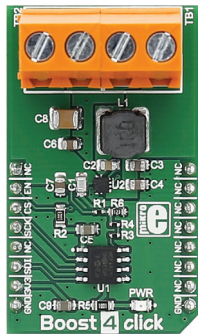


### BOOST 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A DC-DC step-up regulator that has a fixed 5V output.

MSRP - \$15<sup>00</sup>  
MIKROE-2894

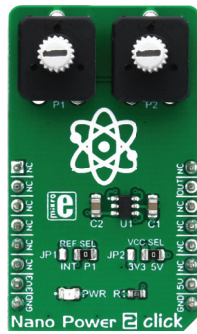


### Boost 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries TI's TPS61230A, a high efficiency fully integrated synchronous boost converter.

MSRP - \$17<sup>00</sup>  
MIKROE-2757

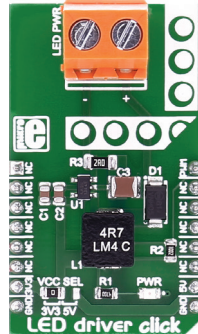


### Nano Power 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The MAX40000AUT12+, a nanoPower comparator with built-in reference.

MSRP - \$11<sup>00</sup>  
MIKROE-3036



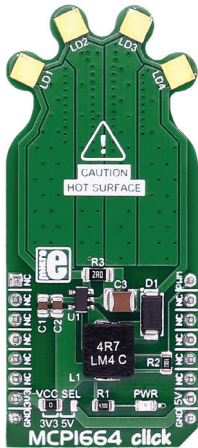
### LED driver Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries MCP1662 high-voltage step-up voltage driver from Microchip.

MSRP - \$15<sup>00</sup>  
MIKROE-2676





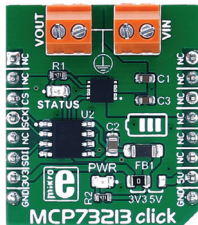
### MCP1664 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With 4 high-power white LEDs. Carries Microchip's MCP1664, a high-voltage step-up LED driver.

**MSRP - \$26<sup>00</sup>**  
MIKROE-2548



### MCP73213 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MCP73213 dual-cell Li-Ion/Li-Polymer battery charge management controller.

**MSRP - \$18<sup>00</sup>**  
MIKROE-2575



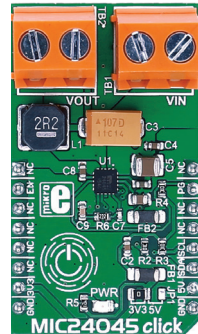
### MIC23099 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MIC23099 single AA/AAA cell step-down/step-up regulator with battery monitoring.

**MSRP - \$29<sup>00</sup>**  
MIKROE-2765



### MIC24045 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MIC24045 5A synchronous step-down regulator. Input range 4.5V-19V.

**MSRP - \$13<sup>00</sup>**  
MIKROE-2574



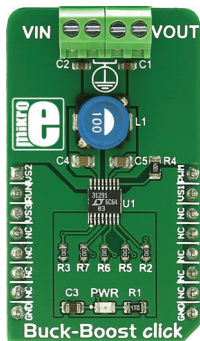
### VREG Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Digitally controlled DC voltage regulator. Based on the well-known LM317 circuit.

**MSRP - \$24<sup>00</sup>**  
MIKROE-2443

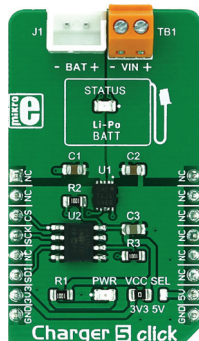


### Buck-Boost Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Features LTC3129-1, a buck-boost DC/DC conversion integrated circuit.

MSRP - \$20<sup>00</sup>  
MIKROE-2806

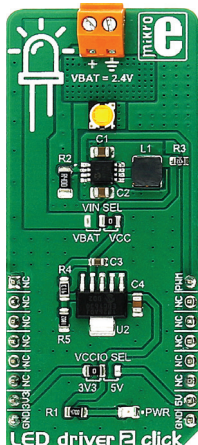


### Charger 5 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Designed to charge Lithium-Ion and Lithium-Polymer batteries.

MSRP - \$16<sup>00</sup>  
MIKROE-2848

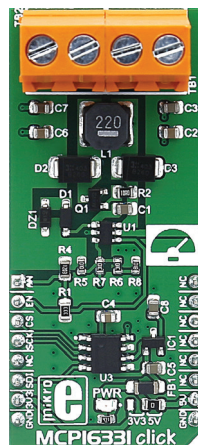


### LED driver 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Carries the MCP1643 - LED constant current regulator, made by Microchip.

MSRP - \$15<sup>00</sup>  
MIKROE-2807

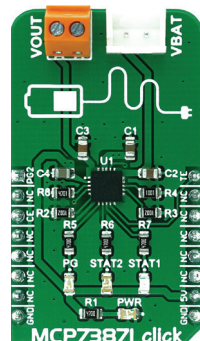


### MCP16331 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Functions as a non-inverting buck-boost voltage regulator.

MSRP - \$22<sup>00</sup>  
MIKROE-2762

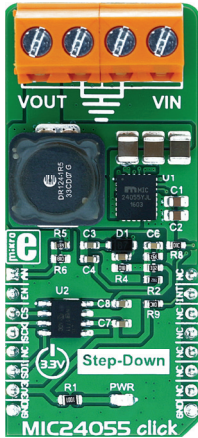


### MCP73871 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Integrated solution for system power delivery and Li-Po/Li-Ion battery charge management.

MSRP - \$16<sup>00</sup>  
MIKROE-2858



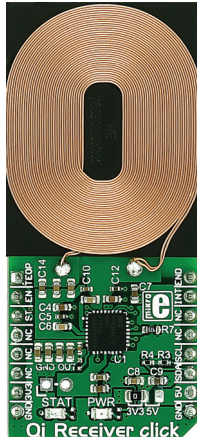
### MIC24055 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Equipped with the MIC24055, high-efficiency buck regulator from Microchip.

MSRP - \$29<sup>00</sup>  
MIKROE-2835



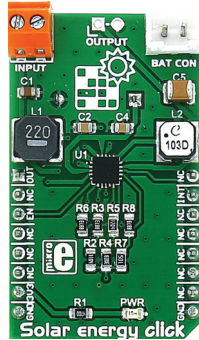
### Qi Receiver Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Utilizes the principles of the inductive coupling for the purpose of wireless power transfer.

MSRP - \$18<sup>00</sup>  
MIKROE-2799



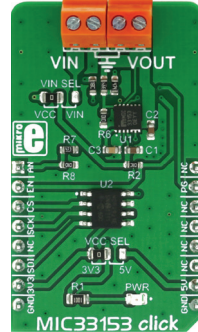
### Solar energy Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Uses TI's BQ25570 - a nano-power high-efficiency boost charger and buck converter device.

MSRP - \$27<sup>00</sup>  
MIKROE-2814



### MIC33153 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

A DC-DC adjustable step-down [buck] converter.

MSRP - \$21<sup>00</sup>  
MIKROE-2887



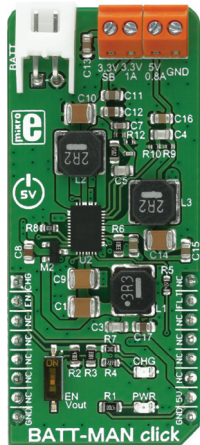
### VREG 2 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Uses the LM2596, a 3A, step down voltage regulator working at 150 kHz, from Texas Instruments.

MSRP - \$21<sup>00</sup>  
MIKROE-3055

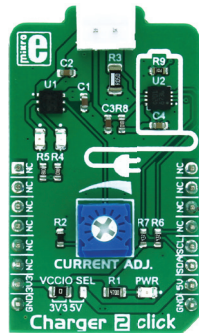


### BATT-MAN Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The LTC3586, a high-efficiency power manager with boost, buck-boost, and dual buck converters.

MSRP - \$27<sup>00</sup>  
MIKROE-2901

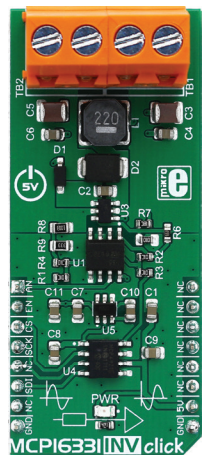


### Charger 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The STBC08, an 800 mA standalone linear Li-Ion battery charger with thermal regulation.

MSRP - \$17<sup>00</sup>  
MIKROE-3049

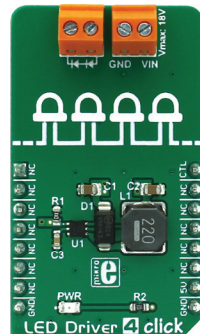


### MCP16331 INV Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Works in an inverting configuration, provides a negative output voltage in respect to the GND.

MSRP - \$22<sup>00</sup>  
MIKROE-2917

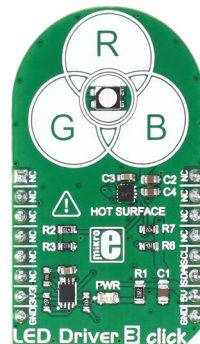


### LED Driver 4 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The TPS61160A, a white LED driver with PWM brightness control.

MSRP - \$15<sup>00</sup>  
MIKROE-3037



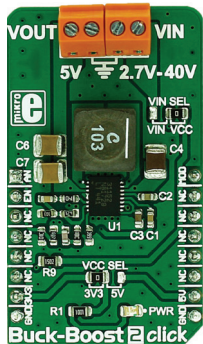
### LED Driver 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The NCP5623B, a triple output RGB LED driver, controlled through the I2C protocol.

MSRP - \$15<sup>00</sup>  
MIKROE-2950





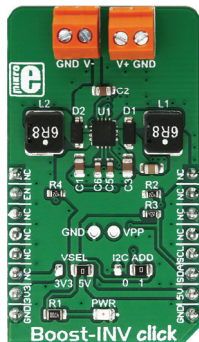
### Buck-Boost 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The LTC3115-2, a 40V, 2A synchronous buck-boost DC/DC converter from Linear Technology.

MSRP - \$27<sup>00</sup>  
MIKROE-2963



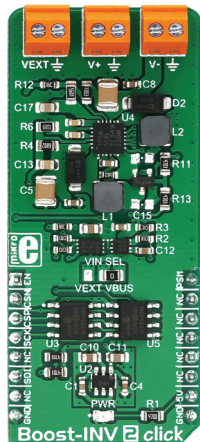
### Boost-INV Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The LTC3582, programmable boost and inverting DC/DC converter with OTP memory.

MSRP - \$21<sup>00</sup>  
MIKROE-3124



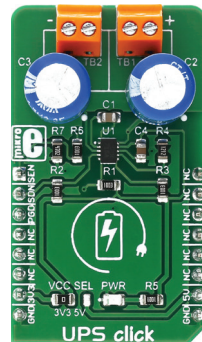
### Boost-INV 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The TPS65131, a positive and negative output DC/DC Converter, from Texas Instruments.

MSRP - \$29<sup>00</sup>  
MIKROE-3123



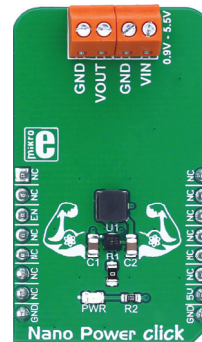
### UPS Click

5V 3.3V SPI I2C

UART GPIO PWM AN

The LTC3225, a 150mA supercapacitor charger from Linear Technology.

MSRP - \$25<sup>00</sup>  
MIKROE-3001



### Nano Power Click

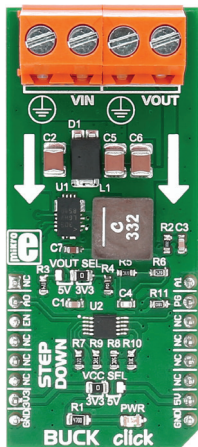
5V 3.3V SPI I2C

UART GPIO PWM AN

The MAX17222 - a nanoPower synchronous boost converter with True Shutdown™ technology.

MSRP - \$11<sup>00</sup>  
MIKROE-3035



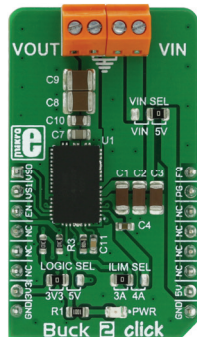


### BUCK Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Buck switching regulator. A wide input voltage range of up to 40V. Steps it down to 3.3V or 5V.

MSRP - \$28<sup>00</sup>  
MIKROE-1592

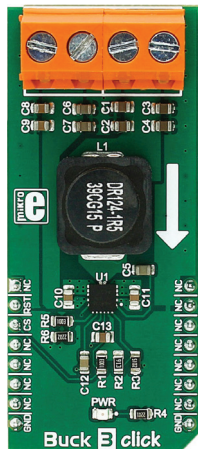


### Buck 2 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

A powerful step down DC-DC switching regulator. Input voltage range 4.5V-19V.

MSRP - \$16<sup>00</sup>  
MIKROE-2858

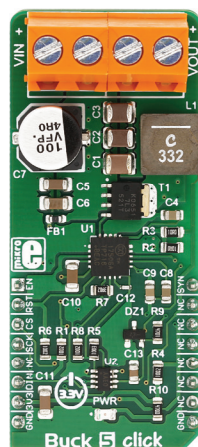


### Buck 3 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the TPS568215, a 4.5V to 17V Input, 8A synchronous step-down SWIFT™ converter.

MSRP - \$22<sup>00</sup>  
MIKROE-2971

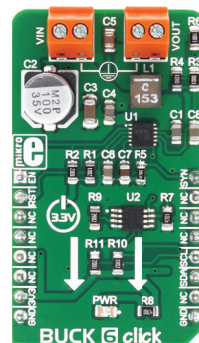


### BUCK 5 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

The MAX17506, a high efficiency, synchronous step-down DC/DC converter with internal compensation.

MSRP - \$29<sup>00</sup>  
MIKROE-3100

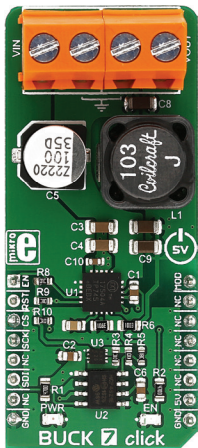


### BUCK 6 Click

5V 3.3V SPI I2C  
UART GPIO PWM AN

Uses the MAX17572, a step down [buck] DC-DC converter from Maxim Integrated.

MSRP - \$18<sup>00</sup>  
MIKROE-2957



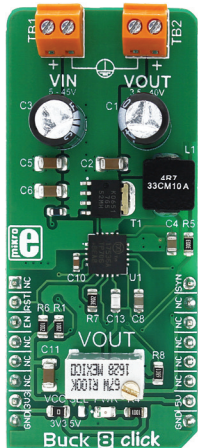
## BUCK 7 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

The MAX17504, a high efficiency, synchronous step-down DC-DC converter with internal compensation.

MSRP – \$27<sup>00</sup>  
MIKROE-3094



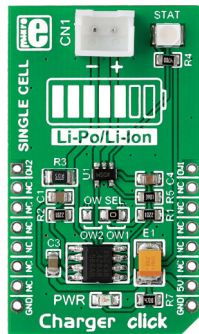
## Buck 8 Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Uses the MAX17536, a high-efficiency, synchronous step-down DC-DC converter.

MSRP – \$26<sup>00</sup>  
MIKROE-2997



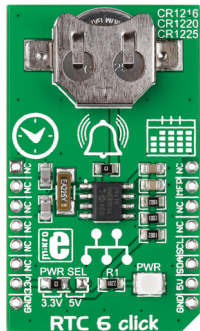
## Charger Click

5V | 3.3V | SPI | I2C

UART | GPIO | PWM | AN

Carries a battery charger controller and a battery charge monitor, along with a battery connector.

MSRP – \$22<sup>00</sup>  
MIKROE-2033



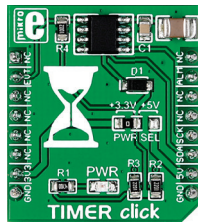
### RTC 6 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries MCP79410 real-time clock/calendar IC. 64 bytes of battery-backed SRAM.

MSRP - \$21<sup>00</sup>  
MIKROE-2063



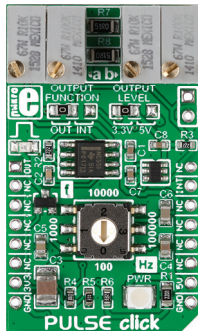
### TIMER Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With DS1682 total elapsed time recorder from Maxim Integrated. ETC used with the ALARM pin.

MSRP - \$18<sup>00</sup>  
MIKROE-2333



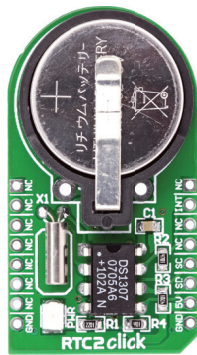
### PULSE Click

5V 3.3V SPI I2C

UART GPIO PWM AN

A pulse generator with precise frequency control. Features NE555 precision timer.

MSRP - \$25<sup>00</sup>  
MIKROE-2032



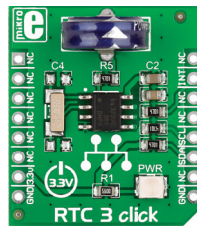
### RTC 2 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

With DS1307 serial real-time clock. It's a full binary-coded decimal [BCD] clock/calendar.

MSRP - \$21<sup>00</sup>  
MIKROE-948



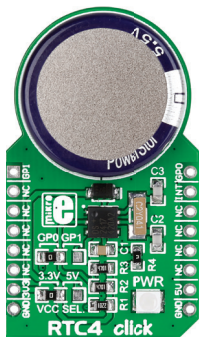
### RTC 3 Click

5V 3.3V SPI I2C

UART GPIO PWM AN

Carries BQ32000, a real time clock with an integrated trickle charge circuit for automatic switchover.

MSRP - \$21<sup>00</sup>  
MIKROE-1839

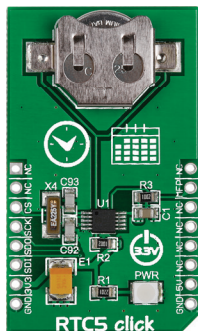


### RTC 4 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Carries DS2417, a real time clock/calendar with a 1-Wire MicroLAN interface. 16.3 kbits per second.

MSRP – \$21<sup>00</sup>  
 MIKROE-1891

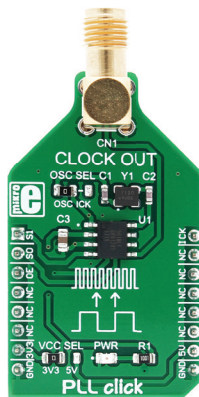


### RTC 5 Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

Carries Micro-chip's MCP79510 real-time clock/calendar.

MSRP – \$21<sup>00</sup>  
 MIKROE-1990

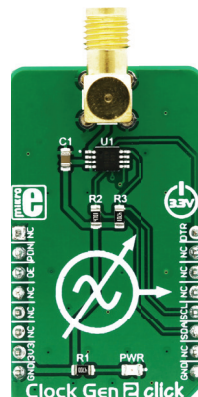


### PLL Click

5V 3.3V SPI I2C  
 UART GPIO PWM AN

The ICS501, a LOCO™ PLL clock multiplier, from Integrated Device Technology.

MSRP – \$15<sup>00</sup>  
 MIKROE-2993



### Clock Gen 2 Click

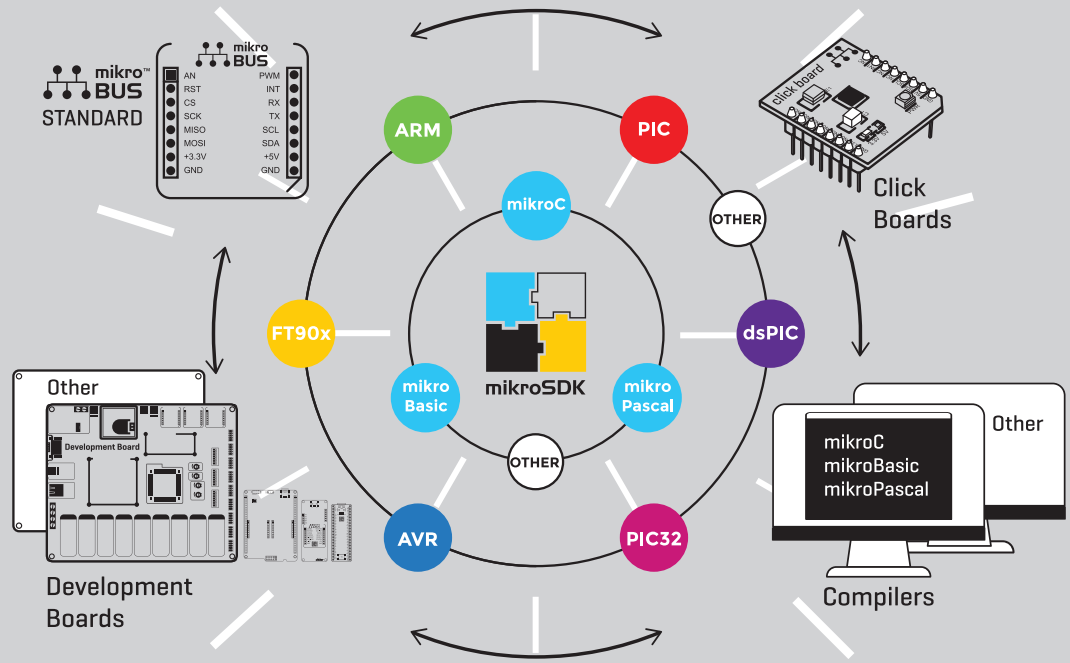
5V 3.3V SPI I2C  
 UART GPIO PWM AN

The DS1087LU-266, a 3.3V spread-spectrum EconOscillator, from Maxim Integrated.

MSRP – \$17<sup>00</sup>  
 MIKROE-3076

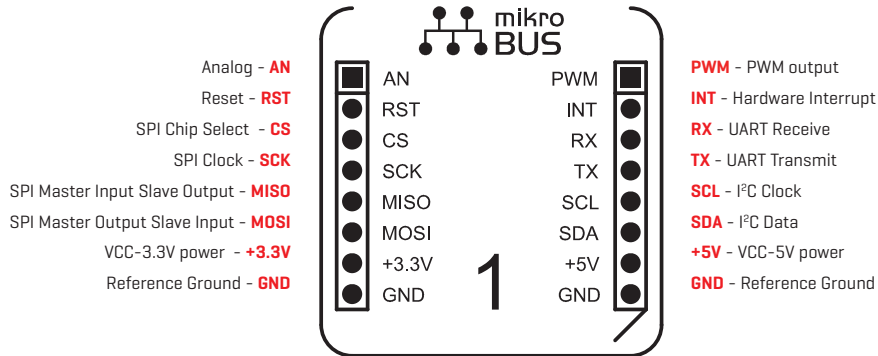
# mikroSDK – MikroElektronika SOFTWARE DEVELOPMENT KIT

[mikroe.com/mikrosdk](http://mikroe.com/mikrosdk)





# mikroBUS standard



mikroBUS™ is a simple but effective pinout standard containing all the necessary pins to connect all the different Click boards™. There's also a range of mikroBUS™ shields that bring Click board connectivity to all of today's most popular development platforms [Arduino, Raspberry Pi, BeagleBone, Freedom, Discovery, Micro .NET and more].

## Clicking on all platforms

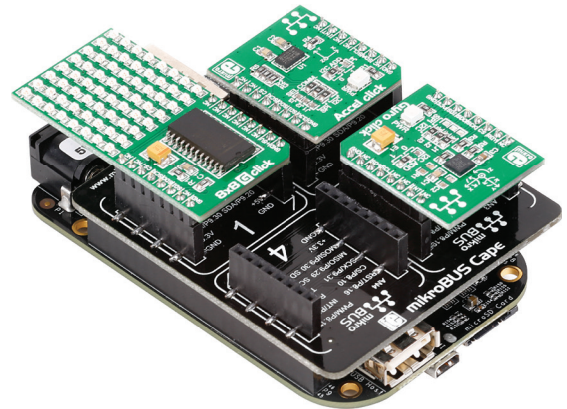
Use Click boards™ with your favorite development platform. A range of Shields bring Click connectivity to:

- **Arduino**
- **BeagleBone Black**
- **Raspberry Pi**
- **Freedom**
- **Launchpad**
- **Discovery and more...**

See them all at: [www.mikroe.com/Click/shields](http://www.mikroe.com/Click/shields)

mikroBUS Cape

MSRP - \$8<sup>90</sup>  
MIKROE-1857



Using Click boards™ has many advantages but the **time you will save** is by far the **biggest one!**



**MEASURE AND  
QUANTIFY  
THE WORLD  
AROUND YOU!**





Even though it was printed recently, the booklet you are holding is probably already outdated. That's because we release new Click boards™ weekly, sometimes daily. For the most current list of Click boards™, visit: [www.mikroe.com/click](http://www.mikroe.com/click)



[www.mikroe.com/click](http://www.mikroe.com/click)

