Click boards™

THE BIGGEST ADD-ON BOARD COLLECTION IN THE WORLD

MikroElektronika
Time-saving embedded tools
mikroBUS™ standard

mikroBUS™ - the add-on board socket standard that offers maximum expandability with the smallest number of pins. All the major vendors have accepted the mikroBUS™ standard and added it to their development boards.
Shape the future of the embedded world with our time-saving development tools.
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From one man’s idea to a dominant add-on board standard

The entire company works towards a shared vision – to save time of our fellow engineers. Click boards™ product line constitutes a key component of the future we have envisioned.

Development boards are substantially similar: they integrate a microcontroller, power supply, tact switches, LEDs, pins. The features that differentiate development boards are the peripherals such as UART, 7-seg digits, RTC, Relay, ADC, EPROM, and the like. Different projects, however, require that a different peripheral be used each time. If peripherals on a single board could be changed, its functionality would improve significantly.
Presented with the problem, I started looking for a solution: how to change peripherals easily and what to add to a board to be able to do so.

I remember the very moment when I hit upon the idea of the mikroBUS™ standard - the very first drawing of it I made in the sand and later on a piece of paper. In fact, my family was on holiday in a hotel - Hillside -Su - in Antalya (Turkey), and the hotel played a key role in the story of mikroBUS™ standard: there was a play area for children and an even better one – in the shade and roomy - for babies and for my papers and data-sheet. Amid the papers and babies, as I was keeping an eye on my five-year-old daughter Lena, mikroBUS™ standard came to life.

The name was chosen by one of my colleagues a long time ago: ‘click’ is what you hear when you place the Click board™ onto the development board. ‘It just Clicks’ is a marketing message we wish to convey.

The shape and end-dimension of the Click board™ posed a great challenge. Now that we have made 1000 Click boards™, it is easy to notice that all WiFi, LTE, BLE, GSM, GPS modules, OLED screen, and 7-seg digits fit Click boards™ perfectly, and that the size is right. However, dimension check requires that the components and modules classification on a single Click board™ be reviewed and several hundred datasheets be opened. I take pride in our solution: this part of the Click boards™ story looks like a simple task; however, without it, there would be a great decrease in the number of Click boards™ created.

Back at work, I called a meeting and presented my idea: I spoke about the pins I chose and why I chose those very pins; I explained what the overarching goal was and provided other relevant information. It was in that meeting that we revised the statement and increased the functionality of the mikroBUS™ standard by adding a few more pins, so that there was a total of 16 pins - 8 in each row. We now know that this is by far the smallest number of the pins one can use and which account for most chips, modules, and other components you could place on Click board™.

1300 Click boards™ is a huge milestone since not a single company in our industry has that number of peripheral boards. We made history in reaching that number. More importantly, the mikroBUS™ standard has proven to be very usable: if you can design 1300 different Click boards™ on one standard and create another thousand and then another thousand, that means that the standard is quite exceptional.
The first-ever mikroBUS™ compatible add-on board was made in 2011. With this board, we presented a new product line called Click boards™.

**GPS Click**

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

**MSRP – $49**

MIKROE-1032
New Click boards™ release per year
Number of Click boards™

at the end of the year
Click boards™
The biggest add-on board collection in the world.
WIRELESS CONNECTIVITY
WIRELESS CONNECTIVITY

MIKROE-2399
MSRP – $49

BT Audio Click

MIKROE-958
MSRP – $46

Bluetooth Click

MIKROE-1597
MSRP – $25

MIKROE-2471
MSRP – $39

MIKROE-1715
MSRP – $30

3G Click (USA)
UG95 3G UMTS/HSPA module. With SIM card slot, Audio/Mic jack, micro USB port.
MSRP – $89

3G Click (EU/AUS)
UG95 3G UMTS/HSPA module. With SIM card slot, Audio/Mic jack, micro USB port.
MSRP – $89

3G SARA Click
With UMTS/HSPA cellular modem – the u-blox U201, from the SARA series.
MSRP – $110

4G LTE-E Click
With the LARA-R211 multi-mode cellular module from u-blox.
MSRP – $130

4G LTE-NA Click
It features the LARA-R204 multi-mode cellular module from u-blox.
MSRP – $115

BLE 2 Click
With RN4020 Bluetooth 4.1 module. Can be set up both as a client or a server.
MSRP – $30

BLE 3 Click
It features NINA-B1 Bluetooth 4.2 module from u-blox.
MSRP – $39

BLE P Click
With nRF8001 Bluetooth 4.0 peripheral device. Open source Android app available.
MSRP – $25

Bluetooth Click
It features the RN41 low power, class 1 Bluetooth radio module.
MSRP – $46

BT Audio Click
With RN52 Bluetooth audio module and on-board 3.5mm jacks for a mic and a speaker.
MSRP – $49
### Wireless Connectivity

<table>
<thead>
<tr>
<th>Device</th>
<th>Description</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6LoWPAN C Click</strong></td>
<td>TI’s CC2520, 2.4GHz ZigBee®/IEEE 802.15.4 RF transceiver.</td>
<td>$26.00</td>
</tr>
<tr>
<td><strong>6LoWPAN T Click</strong></td>
<td>TI’s CC2520, 2.4GHz ZigBee®/IEEE 802.15.4 RF transceiver.</td>
<td>$26.00</td>
</tr>
<tr>
<td><strong>BEE Click</strong></td>
<td>Quectel’s L86 GNSS module with a patch antenna and an external antenna connector. GPS + GLONASS.</td>
<td>$36.00</td>
</tr>
<tr>
<td><strong>GNSS Click</strong></td>
<td>Quectel’s L86 GNSS module with a patch antenna and an external antenna connector. GPS + GLONASS.</td>
<td>$46.00</td>
</tr>
<tr>
<td><strong>GNSS 2 Click</strong></td>
<td>Quectel’s L76 module and SMA antenna connector. GPS + GLONASS.</td>
<td>$39.00</td>
</tr>
<tr>
<td><strong>ccRF Click</strong></td>
<td>With CC2500 low-power 2.4 GHz RF transceiver and PCB trace antenna.</td>
<td>$22.00</td>
</tr>
<tr>
<td><strong>ccRF 2 Click</strong></td>
<td>With CC1120, high performance radio transceiver for ISRM and SRD bands.</td>
<td>$36.00</td>
</tr>
<tr>
<td><strong>ccRF 3 Click</strong></td>
<td>Carries the CC1120 high-performance RF transceiver for narrow-band systems from TI.</td>
<td>$36.00</td>
</tr>
<tr>
<td><strong>GSM Click</strong></td>
<td>With quad-band GL865-QUAD GSM/GPRS module, onboard antenna connector and SIM card socket.</td>
<td>$49.00</td>
</tr>
<tr>
<td><strong>GSM 2 Click</strong></td>
<td>With Quectel’s M95 FA quad-band GSM/GPRS module. 85.6 kbps GPRS data transfer.</td>
<td>$49.00</td>
</tr>
</tbody>
</table>
GNSS 3 Click
Carries SIM3ELAGNSS module with an integrated antenna and an external antenna connector.
MSRP – $39.00
MIKROE-1895

GNSS 4 Click
It features SAM-M8Q patch antenna module from u-blox.
MSRP – $44.00
MIKROE-2045

GNSS 5 Click
It features NEO-M8N GNSS receiver module from u-blox.
MSRP – $41.00
MIKROE-2670

GPS Click
It carries LEA-6S high-performance position engine from u-blox.
MSRP – $49.00
MIKROE-1032

GPS 3 Click
With Quectel’s L80, high-sensitivity GPS module with a patch antenna.
MSRP – $44.00
MIKROE-1714

GSM 3 Click
With SIM800H quad-band GSM/GPRS module. 85.6 kbps GPRS data transfer.
MSRP – $57.00
MIKROE-1720

GSM/GNSS Click
Quectel’s MC60 quad-band GSM/GPRS/GNSS module. GPS/GNASS location tracking with GSM.
MSRP – $79.00
MIKROE-2013

GSM/GNSS 2 Click
With SIM868 quad-band GSM/GPRS module. GPS/GNASS location tracking with GSM.
MSRP – $69.00
MIKROE-2940

IQRF Click
With DCTR-76DA RF transceiver, operating in the 868/916 MHz frequency.
MSRP – $43.00
MIKROE-2518

IQRF 2 Click
With DCTR-72DAT RF transceiver, operating in the 868/916 MHz frequency.
MSRP – $49.00
MIKROE-2517
WIRELESS CONNECTIVITY

GSM-GPS Click
With SIM808, GSM/GPRS and GPS module. 2 antenna conn. SIM card slot, a micro USB conn.
MSRP – $85<sup>00</sup>
MIKROE-4002

LR 2 Click
With RN2903 915 MHz Radio Modem compliant with regulations for use in the USA, CA, AU, NZ.
MSRP – $50<sup>00</sup>
MIKROE-4612

LR 3 Click
A LoRa technology-based SRD transceiver, operates at a sub-gigahertz frequency of 868MHz.
MSRP – $45<sup>00</sup>
MIKROE-4616

LR 4 Click
A LoRa RF technology based SRD transceiver, operates at a sub-GHz frequency of 868MHz.
MSRP – $45<sup>00</sup>
MIKROE-4624

LR 5 Click
SRD transceiver which operates at a sub-GHz frequency of 902-928 MHz SRD Band.
MSRP – $53<sup>00</sup>
MIKROE-4618

nRF T Click
With nRF24L01P 2.4 GHz transceiver module. Air data rates of 250 Kbps, 1 Mbps and 2 Mbps.
MSRP – $16<sup>00</sup>
MIKROE-1205

nRF C Click
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
With nRF24L01P 2.4 GHz transceiver. 250 Kbps, 1 Mbps and 2 Mbps air data rates.
MSRP – $19<sup>00</sup>
MIKROE-1836

RFid Click
With CR95HF 13.56 MHz contactless RFid transceiver, and trace antenna.
MSRP – $28<sup>00</sup>
MIKROE-2414

nRF S Click
**NFC Tag Click**
With M24SR64 NFC/RFID tag IC with a dual interface and 8KB of high-reliability EEPROM built-in.
MSRP – $120
MIKROE-1726

**NFC Tag 2 Click**
Carries NT3H1101 NTAG I2C energy harvesting NFC Forum Type 2 Tag from NXP.
MSRP – $120
MIKROE-2462

**tRF Click**
With Telit’s LE70-B6B — a 868 MHz transceiver module with embedded stack.
MSRP – $590
MIKROE-1515

**LTE IoT 5 Click**
Features the SARA-R510M8S cellular module from u-Blox.
MSRP – $790
MIKROE-4025

**LTE IoT 6 Click**
The SARA-R412M, a cellular module for Low Power Wide Area solutions from u-Blox.
MSRP – $790
MIKROE-4238

**NFC Click**
With near field communications controller PN7120 IC from NXP.
MSRP – $340
MIKROE-2395

**RN4678 Click**
It carries RN4678 Bluetooth® 4.2 dual mode module from Microchip.
MSRP – $380
MIKROE-2565

**RN4870 Click**
It carries RN4870 Bluetooth® 4.2 low energy module from Microchip.
MSRP – $330
MIKROE-2543

**RN4871 Click**
It carries RN4871 Bluetooth® 4.2 low energy module from Microchip.
MSRP – $330
MIKROE-2544

**WiFi PLUS Click**
With MRF24WB-DMA 2.4GHz, IEEE std. 802.11 module and MCW1001 controller.
MSRP – $890
MIKROE-2135
**WIRELESS CONNECTIVITY**

**WiFi 2 Click**
With HLK-M30 module. Can be set up with either a static or dynamic IP address.
MSRP – *$29.00*
MKROE-2768

**WiFi 3 Click**
With ESP8266 module. TCP/IP stack. Supports Wi-Fi Direct [p2p]. 6 GPIO pins.
MSRP – *$27.00*
MKROE-1769

**WiFi 4 Click**
With SPWF01SA standalone WiFi module. Built-in 2.4 GHz ISM band antenna.
MSRP – *$49.00*
MKROE-2923

**WiFi 5 Click**
With Gainspan’s GS1500M 802.11b/g/n Low Power WiFi module with a PCB trace antenna.
MSRP – *$29.00*
MKROE-2274

**WiFi 6 Click**
With WF121-A self-contained WiFi module. 2.4GHz band IEEE 802.11 b/g/n radio.
MSRP – *$69.00*
MKROE-2304

**WiFly Click**
With RN-131 embedded wireless LAN module. Qualified 2.4-GHz IEEE 802.11 b/g transceiver.
MSRP – *$74.00*
MKROE-1937

**AnyNet 2G Click**
WiFi module with integrated IPv4 TCP/IP stack and built-in network protocols.
MSRP – *$69.00*
MKROE-2747

**AnyNet 3G-EA Click**
A secure connection with the AWS over the air (OTA), by utilizing the Quectel UG95 3G module.
MSRP – *$121.00*
MKROE-2975

**CC3100 Click**
Carries low power, high security Wi-Fi CC3100 module. Support for 802.11n.
MSRP – *$49.00*
MKROE-2936

**OOK RX Click**
A wireless receiver that operates at the frequency of 433MHz [sub-GHz].
MSRP – *$19.00*
MKROE-2902
**Wireless Connectivity**

**WiFi 7 Click**
With ATWINC1510-MR210PB IEEE 802.11 b/g/n module, 20MHz solution.
MSRP – $29

**WiFi ESP Click**
With ESP-WROOM-02 module that integrates ESP8266EX in AP WiFi and WiFi client mode.
MSRP – $15

**MiWi Click**
A subgigahertz radio transceiver which offers a reliable FSK or OOK communication solution.
MSRP – $17

**MiWi 2 Click**
A subgigahertz radio transceiver which offers a reliable FSK or OOK communication solution.
MSRP – $29

**OOK TX Click**
A wireless transmitter that operates at the frequency of 433MHz (sub-GHz).
MSRP – $19

**WiFi NINA Click**
A standalone WiFi module, with the state-of-the-art NINA-W132 module from u-blox.
MSRP – $45

**NB IoT Click**
Allows LTE Cat NB1 connectivity by utilizing Quectel BC95-G.
MSRP – $59

**LTE IoT Click**
Compact quad-band GSM solution, featuring the quad-band SARA-R410M-O2B LTE/2G module.
MSRP – $79

**LTE IoT 2 Click**
Allows connection to the LTE networks, featuring Quectel BG96 LTE module.
MSRP – $77

**M-BUS RF Click**
With ME70-169 RF wireless module. Unlicensed ISM frequency band 169.400-169.475 MHz.
MSRP – $54
SPIRIT Click
With SPI3ML 868MHz ultra low-power RF module. Memory: 16 kB RAM and 128 kB Flash.
MSRP – $39
Mikroe-2568

XBEE Click
Xbee® and Zigbee-compliant XB-24CZ7P1S-004 module with a PCB antenna.
MSRP – $34
Mikroe-3163

NANO GPS Click
With Nano Hornet, world’s smallest GPS module with an integrated antenna.
MSRP – $59
Mikroe-1259

GPS 4 Click
GPS 4 click carries the L70 compact GPS module from Quectel, with external antenna.
MSRP – $34
Mikroe-2704

GSM 4 Click
Compact quad-band GSM solution, featuring the quad-band SARA-G350 module.
MSRP – $57
Mikroe-2568

SigFox Click
Carries the SN10-11, a fully integrated Sigfox™ certified module by InnoComm.
MSRP – $25
Mikroe-2534

SigFox 2 Click
Carries the SN10-12, a fully integrated Sigfox™ certified module by InnoComm.
MSRP – $25
Mikroe-3039

SigFox 3 Click
Carries the SN10-13, a fully integrated Sigfox™ certified module by InnoComm.
MSRP – $25
Mikroe-3163

EnOcean 4 Click
With ultra-low power TC-M515U transceiver gateway module which operates at 920MHz radio band.
MSRP – $39
Mikroe-3837

DeviceDrive Click
The WRF01-M24A module uses the UART interface [with JSON command format].
MSRP – $19
Mikroe-3659
<table>
<thead>
<tr>
<th>Click Board</th>
<th>Description</th>
<th>Price</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>WiFi 9 Click</td>
<td>With the PAN9420 a 2.4 GHz ISM band Wi-Fi-embedded module.</td>
<td>$45.00</td>
<td>MIKROE-3666</td>
</tr>
<tr>
<td>WiFi 10 Click</td>
<td>Based on the SX-ULPN-SB-2401, an integrated wireless LAN module.</td>
<td>$25.00</td>
<td>MIKROE-3432</td>
</tr>
<tr>
<td>BLE 8 Click</td>
<td>With the ANNA-B112, an ultra-small, stand-alone Bluetooth low energy module.</td>
<td>$29.00</td>
<td>MIKROE-3674</td>
</tr>
<tr>
<td>G2C Click</td>
<td>A gateway Click board™ which provides a simple and reliable connection to the Click Cloud platform.</td>
<td>$19.00</td>
<td>MIKROE-3291</td>
</tr>
<tr>
<td>Nano LR Click</td>
<td>The EMB-LR1276S, a sub-1GHz wireless module that supports the LoRaWAN®.</td>
<td>$44.00</td>
<td>MIKROE-4514</td>
</tr>
<tr>
<td>4G LTE-APJ Click</td>
<td>LTE Cat 1 / UMTS multimode-decellular network solution, with the compact LARA-R2 series modem from u-blox.</td>
<td>$128.00</td>
<td>MIKROE-3351</td>
</tr>
<tr>
<td>4G LTE-AT&amp;T Click</td>
<td>LTE Cat 1 / UMTS multimode-decellular network solution, with the compact LARA-R2 series modem from u-blox.</td>
<td>$135.00</td>
<td>MIKROE-3350</td>
</tr>
<tr>
<td>GNSS 7 Click</td>
<td>It carries the NEO-M9N GNSS receiver module from u-blox.</td>
<td>$39.00</td>
<td>MIKROE-1887</td>
</tr>
</tbody>
</table>
WIRELESS CONNECTIVITY

GNSS ZOE Click
An evaluation board for ultra small ZOE-M8Q GNSS SIP receiver from u-blox.
MSRP – $3900
MIKROE-3660

NFC Tag 4 Click
NFC tag device, offering 16 Kbit of electrically erasable programmable memory (EEPROM).
MSRP – $1200
MIKROE-3859

SPIRIT 2 Click
With the SP1ML-915, an ultra-low power RF module, which operates at 915 MHz ISM band.
MSRP – $4900
MIKROE-3598

BLE 4 Click
It features the NINA-B312, an integrated wireless connectivity solution.
MSRP – $3720
MIKROE-3773

BLE 7 Click
Based on the BGX-13S22GA, a bluetooth low energy module from Silicon Labs.
MSRP – $2120
MIKROE-3872

G2C 3G Click
Allows connection to the feature-rich Click Cloud platform, over the 3.75G UMTS/HSPA network.
MSRP – $6920
MIKROE-3888

LTE Cat. 1-EU Click
Carries the ELS61 Cat 1 LTE connectivity module with 2G and 3G fall back.
MSRP – $11720
MIKROE-3777

LTE Cat. 1-US Click
Carries the ELS61 Cat 1 LTE connectivity module with 2G and 3G fall back.
MSRP – $10520
MIKROE-3883

BLE 5 Click
Based on the PA-N1760A, a Bluetooth 4.2 low energy module from Panasonic.
MSRP – $2620
MIKROE-4120

BT Audio 2 Click
Bluetooth audio stream add on board based on BM62 module from Microchip.
MSRP – $4520
MIKROE-4117
**WIRELESS CONNECTIVITY**

**M-BUS RF 4 Click**
With a Telit ME70-169 RF wireless module.

**MSRP – $41**
MKROE-3692

---

**Nano GPS 2 Click**
The smallest GPS module with an integrated patch antenna, the ORG1510-MK05 by OriginGPS.

**MSRP – $59**
MKROE-4250

---

**BLE 6 Click**
It’s compliant with BT specifications v5.0 and BQE qualified.

**MSRP – $92**
MKROE-4270

---

**UWB Click**
The DWM1000 module based on Decawave’s DW1000 Ultra-Wideband (UWB) transceiver.

**MSRP – $69**
MKROE-4293

---

**NFC Extend Click**
Uses any shape and size external antenna, with 16 Kbit of EEPROM.

**MSRP – $96**
MKROE-3073

---

**5G NB IoT Click**
Based on Thales ENS22 NB-IoT Wireless Module that boosts highly efficient 5G conn. for the IoT.

**MSRP – $95**
MKROE-4024

---

**BT-EZ Click**
It features the CYBT-343026-01, module that supports BT 5.0 and BLE stack.

**MSRP – $25**
MKROE-4038

---

**M-BUS RF 4 Click**
With a Telit ME70-169 RF wireless module.

**MSRP – $41**
MKROE-3692

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**Thingstream Click**
It is equipped with the SIM868, an 802.11b/g/n quad-band GPS/GLONASS/GSM module.

**MSRP – $45**
MKROE-3739

---

**LTE IoT 3 Click**
Uses any shape and size external antenna, with 16 Kbit of EEPROM.

**MSRP – $59**
MKROE-4118

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**Nano GPS 2 Click**
The smallest GPS module with an integrated patch antenna, the ORG1510-MK05 by OriginGPS.

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**BT-EZ Click**
It features the CYBT-343026-01, module that supports BT 5.0 and BLE stack.

**MSRP – $25**
MKROE-4038

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**M-BUS RF 4 Click**
With a Telit ME70-169 RF wireless module.

**MSRP – $41**
MKROE-3692

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**Nano GPS 2 Click**
The smallest GPS module with an integrated patch antenna, the ORG1510-MK05 by OriginGPS.

**MSRP – $59**
MKROE-4250

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**BLE 6 Click**
It’s compliant with BT specifications v5.0 and BQE qualified.

**MSRP – $92**
MKROE-4270

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**UWB Click**
The DWM1000 module based on Decawave’s DW1000 Ultra-Wideband (UWB) transceiver.

**MSRP – $69**
MKROE-4293

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**Thingstream Click**
It is equipped with the SIM868, an 802.11b/g/n quad-band GPS/GLONASS/GSM module.

**MSRP – $45**
MKROE-3739

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**NFC Extend Click**
Uses any shape and size external antenna, with 16 Kbit of EEPROM.

**MSRP – $96**
MKROE-3073

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**5G NB IoT Click**
Based on Thales ENS22 NB-IoT Wireless Module that boosts highly efficient 5G conn. for the IoT.

**MSRP – $95**
MKROE-4024

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**BT-EZ Click**
It features the CYBT-343026-01, module that supports BT 5.0 and BLE stack.

**MSRP – $25**
MKROE-4038
Features the DA14531MOD, SmartBond TINY module.
MSRP – $150
MIKROE-4087

Bluetooth 2 Click
With a WT41u, a long range class 1, Bluetooth® 2.1 + EDR module from Silicon Labs.
MSRP – $107
MIKROE-4230

ISM TX Click
The MAX41460, a UHF sub-GHz ISM/SRD transmitter from Maxim Integrated.
MSRP – $120
MIKROE-4356

RFID 2 Click
The ID-12LA-SA, an advanced low-cost RFID reader module with 38 different tags.
MSRP – $109
MIKROE-4208

BT Click
The BT121, a dual-mode Bluetooth Smart Ready module from Silicon Labs.
MSRP – $69
MIKROE-4384

NFC 2 Click
The PN7150, designed for contactless communication at 13.56 MHZ from NXP.
MSRP – $34
MIKROE-4203

ISM RX 2 Click
Features the Si4356, a standalone Sub-GHz RF receiver IC, from Silicon Labs.
MSRP – $15
MIKROE-4290

GNSS RTK Click
The ZED-F9P, a multi-band GNSS module with integrated multi-band (RTK) technology from u-blox.
MSRP – $229
MIKROE-4056

LTE IoT 9 Click
MSRP – $74
MIKROE-4165

ISM RX Click
Features the MAX1471, a low-power CMOS RF dual-channel receiver.
MSRP – $69
MIKROE-4469

BLE TINY Click
Features the DA14531M00, SmartBond TINY module.
MSRP – $15
MIKROE-4582
Based on the OT01-5, a narrow-band IoT universal wireless communication module from Notion.

**WIRELESS CONNECTIVITY**

**MSRP – $49**

**MIKROE-4625**

**ISM Click**

Has the PAN1780-AT, a BLE 5 Module with Nordic’s nRF52840 SoC from Panasonic.

**MSRP – $24**

**MIKROE-5115**

**GPS 6 Click**

Based on the A2200-A, a high-performance GPS module from Lantronix.

**MSRP – $45**

**MIKROE-4635**

**NTAG 5 Link Click**

Based on the NTP5332, an NFC forum-compliant I2C bridge from NXP.

**MSRP – $12**

**MIKROE-4562**

**NB IoT 2 Click**

Based on the RN2483, a long-range 433/868MHz RF transceiver module from Microchip.

**MSRP – $45**

**MIKROE-4643**

**GNSS MAX Click**

Based on the MAX-M10S, a GNSS receiver for high-performance positioning from u-blox.

**MSRP – $12**

**MIKROE-4672**

**NB IoT 5 Click**

Based on the OT01-5, a narrow-band IoT universal wireless communication module from Notion.

**MSRP – $49**

**MIKROE-4635**

**NB IoT 2 Click**

Based on the BC66-NA, a narrow-band IoT communication module from Quectel.

**MSRP – $45**

**MIKROE-4652**

**NB IoT 5 Click**

Based on the BC66-NA, a narrow-band IoT communication module from Quectel.

**MSRP – $49**

**MIKROE-4672**

**LR Click**

Based on the AK1595, a Bluetooth 5.2 transmitter from AKM Semiconductor.

**MSRP – $9**

**MIKROE-4903**

**BLE TX Click**

Based on the AR001-A, a BLE 5 Module with Nordic’s nRF52840 SoC from Panasonic.

**MSRP – $24**

**MIKROE-4903**

**ISM Click**

Based on the RGM75, a worldwide ISM frequency band GFSK transceiver from RF.

**MSRP – $15**

**MIKROE-4823**
WIRELESS CONNECTIVITY

WiFi 8 Click
Based on the ATWINC3400, an RF/Baseband/MAC network controller from Microchip.
MSRP – $69<sup>10</sup>
Part #: MIKROE-4709

LTE IoT 8 Click
Has the SKY666/430-11, a multi-band SiP with 5G Massive LTE IoT connectivity from Skyworks.
MSRP – $79<sup>10</sup>
Part #: MIKROE-4493

IRNSS Click
Features the L89H, an acquiring and tracking IRNSS-enabled GNSS module from Quectel.
MSRP – $35<sup>10</sup>
Part #: MIKROE-4772

NB IoT 4 Click
Based on the C1-RM, an NB-IoT and IoT/2G wireless module from Cavli Wireless.
MSRP – $55<sup>10</sup>
Part #: MIKROE-4769

ISM RX 3 Click
Based on the MAX41470, a sub-GHz ISM RF receiver from Analog Devices.
MSRP – $11<sup>10</sup>
Part #: MIKROE-4628

GNSS 8 Click
Based on the LC79DA, a dual-band and multi-constellation GNSS module from Quectel.
MSRP – $55<sup>10</sup>
Part #: MIKROE-4673

NFC 4 Click
Based on the ST25R3916, a multi-purpose NFC transceiver from STMicroelectronics.
MSRP – $21<sup>10</sup>
Part #: MIKROE-4842

BLE 12 Click
Based on the BM832A, a BLE 0.5 module with Nordic’s nRF52 SoC from Fanstel.
MSRP – $22<sup>10</sup>
Part #: MIKROE-4828

BT Audio 3 Click
Based on the BM83, a fully-certified Bluetooth 5.0 stereo audio module from Microchip.
MSRP – $45<sup>10</sup>
Part #: MIKROE-4874

GNSS 10 Click
Based on the NEO-M8J, a standard precision GNSS module built on the M8-GNSS engine from u-blox.
MSRP – $57<sup>10</sup>
Part #: MIKROE-5078
GPS 5 Click
Has the M20050-1, a GPS receiver with an integrated antenna and internal flash from Antenova.
MSRP – $56

MIKROE-5298

XBee 2 Click
Based on the XB3-24Z8UM, an XBee® 3 Zigbee 3.0 transceiver module from Digi International.
MSRP – $75

MIKROE-5302

XBee 3 Click
Based on the XB8X-DMUS-001, a Digi XBee® 3.0 certified RF module from Digi International.
MSRP – $109

MIKROE-5399

GSM 5 Click
SARA-G450, a compact quad-band 2.5G GSM/GPRS module from u-blox.
MSRP – $57

MIKROE-5124

LTE IoT 7 Click
Has the SARA-R422M8S, a multi-band LTE-M/NB-IoT/EGPRS multi-mode module from u-blox.
MSRP – $85

MIKROE-5250

Wireless SUN Click
Has the BP3SC5, a Wi-SUN FAN-compatible wireless module from Rohm Semiconductor.
MSRP – $98

MIKROE-5398

4G LTE 2 Click-data
Has the LARA-R6001D, a data-only LTE Cat 1 module from u-blox.
MSRP – $129

MIKROE-5236

4G LTE 2 Click-voice
Has the LARA-R6001L, a data and voice LTE Cat 1 module from u-blox.
MSRP – $139

MIKROE-5287

RTK Rover Click
Based on the LG69TAM-MD, a multi-constellation GNSS RTK rover module from Quectel.
MSRP – $189

MIKROE-5440

RTK Base Click
Based on the LG-69TASMD, a multi-constellation GNSS RTK base module from Quectel.
MSRP – $189

MIKROE-5442
GNSS RTK 2 Click
Features the ZED-F9R, a GNSS module with integrated RTK technology from u-blox.
MSRP – $28500
MKBRE-5526

LR IoT Click
This board features Semtech Corporation’s LR1110.
MSRP – $9500
MKBRE-5617

LBAND RTK Click
Based on NEO-D9S-00B, satellite data receiver for L-band correction broadcast from u-blox.
MSRP – $9900
MKBRE-5411

GNSS 12 Click
With the CAM-M8C, a professional-grade GNSS module from u-blox.
MSRP – $4500
MKBRE-5527

GNSS 13 Click
With LG77LICMD, a global-region standard-precision GNSS module from Quectel.
MSRP – $3500
MKBRE-45518

AWS IoT Click
Features the ESP32-C3-MINI-1-N4-A, a small 2.4GHz WiFi and Bluetooth® S module from Espressif.
MSRP – $2100
MKBRE-5618

NFC 3 Click
Carries the PNS180A0HN, high-performance full NFC Forum-compliant frontend from NXP.
MSRP – $3900
MKBRE-5538
SENSORS
**IR Grid Click**
Equipped with the MLX90621BAD, a 16x4 IR array sensor, from Melexis.
MSRP – $69
MIKROE-2622

**Moisture Click**
FDC2112 IC, a very precise 12bit capacitance to digital converter, from Texas Instruments.
MSRP – $19
MIKROE-3384

**Accel Click**
With ADXL345 3-axis accelerometer. 13-bit measurement, embedded FIFO technologies.
MSRP – $19
MIKROE-1189

**Accel 2 Click**
LIS3DSH IC 3-axis accelerometer. Embedded FIFO buffer and 2 programmable state machines.
MSRP – $19
MIKROE-1505

**Accel 3 Click**
H3LIS331DL 3-axis linear accelerometer. Dynamically selectable scales ±100g/±200g±400g.
MSRP – $21
MIKROE-2102

**6DOF IMU 2 Click**
With BMI160 low power IMU. For precise acceleration and gyroscopic measurement.
MSRP – $24
MIKROE-2337

**9DOF Click**
LSM9DS1 inertial measurement module – 3D accelerometer, gyroscope and magnetometer.
MSRP – $24
MIKROE-1934

**Hydrogen Click**
With MQ-8 sensor for hydrogen (H2). Sensor’s detection range 100-10000ppm of H2.
MSRP – $19
MIKROE-1639

**Angle 3 Click**
With AK7451, a magnetic rotational angle sensor with 12-bit angle resolution.
MSRP – $19
MIKROE-1795

**Barometer Click**
MSRP – $15
MIKROE-2171
**Opto Encoder Click**
Uses the TCUT160DX01, a tall dome dual channel transmissive optical sensor from Vishay.
MSRP – $9\^{\text{th}}$
MNROE-2549

**Ozone Click**
Carries MICS-2614, a compact MOS sensor for ozone (O3) detection.
MSRP – $9\^{\text{th}}$
MNROE-2555

**LightRanger 8 Click**
The VL53L3CX, a ToF ranging sensor with multi-target detection.
MSRP – $12^{\text{th}}$
MNROE-1982

**Diff Press Click**
The MPXV7007DP, integrated monolithic differential pressure sensor from NXP.
MSRP – $27^{\text{th}}$
MNROE-3332

**GeoMagnetic Click**
Measures the geomagnetic field in three perpendicular axes. The onboard sensor uses FlipCore from Bosch.
MSRP – $15^{\text{th}}$
MNROE-2923

**RTD Click**
It is based on MAX31865 resistance to digital converter optimized for RTDs.
MSRP – $19^{\text{th}}$
MNROE-2815

**10DOF Click**
With BNO055, a 9-axis absolute orientation sensor and BMP180, a digital pressure sensor.
MSRP – $49^{\text{th}}$
MNROE-2073

**3D Hall Click**
With MLX90333 3-axis Hall sensor. Detects the position of any magnet in nearby space.
MSRP – $25^{\text{th}}$
MNROE-1897

**3D Motion Click**
MM7150 9-axis sensor fusion motion module and SSC7150 motion coprocessor.
MSRP – $59^{\text{th}}$
MNROE-1877

**6DOF IMU Click**
STM’s LSM6DS33TR 6-axis IMU with 3-axis gyroscope and 3-axis accelerometer.
MSRP – $49^{\text{th}}$
MNROE-1298
Air quality Click
MQ-135 sensor for detecting gases - ammonia, nitrogen oxides, benzene, smoke, CO2.
MSRP – $16.00
MIKROE-1630

Air quality 2 Click
iAQ-Core that measures VOC levels and provides CO2 equivalent and TVOC equivalent predictions.
MSRP – $79.00
MIKROE-2529

Air quality 3 Click
Equipped with the CCS811, an ultra-low power digital gas sensor for monitoring the indoor air quality (IAQ).
MSRP – $28.00
MIKROE-2953

Air quality 4 Click
An advanced air quality sensing device that combines multiple metal-oxide sensing elements on a chip.
MSRP – $32.00
MIKROE-2896

Air quality 5 Click
MiCS-6814, a compact triple MOS sensor from SGX Sensortech, with 3 independent sensors.
MSRP – $45.00
MIKROE-3056

Bi Hall Click
US2882 bipolar Hall-effect switch and a 74LVC1T45 single bit, dual supply transceiver.
MSRP – $12.00
MIKROE-1646

CO Click
MSRP – $16.00
MIKROE-1629

Color Click
With TCS3471 (RGBC) color light sensor and a RGB LED diode. Resolution up to 16-bits.
MSRP – $15.00
MIKROE-2438

Color 2 Click
ISL29125 RGB color light sensor. 16-bit resolution data, measuring range 5.7 mlux-10,000 lux.
MSRP – $16.00
MIKROE-1988

Color 3 Click
With TCS3771 color sensor and a narrow beam Infrared LED.
MSRP – $17.00
MIKROE-2103
COMPASS CLICK
With LSM303DLHC ultra compact high performance e-compass module.
MSRP – $25
MIKROE-1386

COMPASS 2 CLICK
With AK8963 3-axis elec. compass based on the Hall effect. 14-/16-bit selectable resolution.
MSRP – $31
MIKROE-2264

CURRENT CLICK
With INA196 current shunt monitor, MCP3201 12-bit ADC, MAX6106 voltage reference.
MSRP – $35
MIKROE-1396

DHT22 CLICK
With DHT22 temp. and humidity measurement sensor. Hum. 0–100%, temp. -40 to +80°C.
MSRP – $24
MIKROE-1738

DIFF PRESSURE CLICK
MPXV5010DP pressure sensor. Designed for comparing 2 pressure measurements.
MSRP – $59
MIKROE-2387

ENVIRONMENT CLICK
Measures temperature, relative humidity, pressure and Volatile Organic compounds gases.
MSRP – $29
MIKROE-2621

EMG CLICK
Measures the electrical activity produced by the skeletal muscles.
MSRP – $34
MIKROE-2467

FEVER CLICK
Measures body temperature with MAX30205 sensor. Accuracy 0.1°C (37°C to 39°C).
MSRP – $11
MIKROE-2554

FLAME CLICK
Used for fire detection. Carries PT334-6B silicon phototransistor sensitive only to infrared light.
MSRP – $12
MIKROE-1820

FORCE CLICK
With Interlink Electronics’ Force Sensing Resistors. Force sensitivity range 0.2N–20N.
MSRP – $32
MIKROE-2063
Heart rate 3 Click
SFH7050 pulse oximetry and heart rate monitoring module, and AFE4404 IC for bio-sensing.
MSRP – $39.00
MIDROE-2036

Heart rate 4 Click
Carrie the MAX30101 high-sensitivity pulse oximeter and heart-rate sensor.
MSRP – $21.00
MIDROE-2010

Heart rate 5 Click
Uses the top-of-the-class integrated BIOFY® SFH 7072 sensor from OSRAM.
MSRP – $32.00
MIDROE-3012

Heart Rate 7 Click
The VEMD8080 photodiode. A high-speed PD element, with sensitivity in the visible light spectrum.
MSRP – $23.00
MIDROE-2998

Illuminance Click
MSRP – $21.00
MIDROE-1688

IR Sense Click
With AK750D quantum-type IR sensor. Detects the temperature of objects and people in motion.
MSRP – $27.00
MIDROE-2677

IrThermo Click 3.3V
With MLX90614ESF-BAA IR thermometer module, factory calibrated in wide temp. range.
MSRP – $29.00
MIDROE-1361

Proximity 2 Click
With MAX44000, an IC that integrates an ambient light and a proximity sensor. Range 0.03-65.535 lux.
MSRP – $19.00
MIDROE-1818

REED Click
With a standard reed switch. Used in mechanical systems as proximity sensors.
MSRP – $7.00
MIDROE-1998

RF Meter Click
It’s an RF power measurement device. Frequency span 1 MHz-8 GHz, over 60 dB range.
MSRP – $44.00
MIDROE-2034
Earthquake Click
It carries D7S, the world's smallest high-precision seismic sensor from Omron.
MSRP – $69.00
Mikroe-2561

ECG Click
It measures the electrical activity of a beating heart through electrodes taped to the skin.
MSRP – $39.00
Mikroe-2505

ECG 2 Click
Tracks the patterns of your beating heart. It carries ADS1194 16-bit delta-sigma ADC.
MSRP – $49.00
Mikroe-2507

HDC1000 Click
It's a humidity [and temperature] measurement Click carrying the HDC1000 sensor.
MSRP – $19.00
Mikroe-1797

Heart rate Click
With Maxim's MAX30100 integrated pulse oximetry and heart-rate sensor.
MSRP – $19.00
Mikroe-2000

Grid-EYE Click
8x8 thermal array sensor-detector that carries AMG8853 infrared array sensor.
MSRP – $100.00
Mikroe-2539

GYRO Click
L3GD20 3-axis digital gyroscope module - can measure angular rate and ambient temperature.
MSRP – $25.00
Mikroe-1379

Hall current Click
High precision current sensor with TLH4970-D05074, a magnetic current sensor.
MSRP – $34.00
Mikroe-1578

IR eclipse Click
With EE-SX198 photo interrupter sensor - detects anything that obstructs its beam.
MSRP – $15.00
Mikroe-1711

IR reflect Click
Carries GP2S700HCP reflective photo interrupter and an onboard potentiometer.
MSRP – $12.00
Mikroe-1882
**LightHz Click**
With TSL2306R converter for conversion of light intensity to frequency with no external components.
MSRP – $170
Mouser: 2900

**LightRanger Click**
It's a proximity sensor carrying VL6180X IC. Also works as an ambient light sensor.
MSRP – $240
Mouser: 1897

**LightRanger 2 Click**
With VLS3LDX IC, the world's smallest Time-of-Flight ranging and gesture detector sensor.
MSRP – $240
Mouser: 2500

**LIN HALL Click**
Carries MLX90242 linear Hall sensor IC. Measures magnet’s strength and distance.
MSRP – $150
Mouser: 1808

**Manometer Click**
Carries a piezoresistive silicon pressure sensor with extremely high accuracy (±0.25% FSS BFSL).
MSRP – $115
Mouser: 2237

**Manometer 2 Click**
Enables the design of non-contacting rotary position sensors with MLX90316 sensor IC.
MSRP – $290
Mouser: 1938

**LSM6DSL Click**
Measures linear and angular velocity with six degrees of freedom. Carries LSM6DSL module.
MSRP – $150
Mouser: 2731

**MAGNETO Click**
Carries AS5048A contactless magnetic angle position sensor that relies on the Hall Effect.
MSRP – $260
Mouser: 1886

**MAGNETO 2 Click**
Enables the design of non-contacting rotary position sensors with MLX90316 sensor IC.
MSRP – $150
Mouser: 1938

**Barcode Click**
The LV3296, a compact integrated barcode scanner from Rakinda company.
MSRP – $199
Mouser: 2913
IR distance Click
With GP2Y0A60SZOF distance measuring sensor. Measuring range 10-150 cm.
MSRP – $25
MIKROE-1991

IrThermo Click 5V
With MLX90614ESF-AAA IR thermometer module, factory calibrated in wide temperature range.
MSRP – $29
MIKROE-1382

IrThermo 2 Click
It is a non-contact temperature measurement solution, with an infrared thermopile sensor.
MSRP – $20
MIKROE-1889

LDC1000 Click
With ind-to-digi. convert IC and a detachable sensor. For short range inductive sensing.
MSRP – $35
MIKROE-1583

Light Click
Used to measure ambient light intensity, with PD15-22CTR8 PIN photodiode.
MSRP – $18
MIKROE-2404

Shake2Wake Click
With ADXL362 ultralow power, 3-axis MEMS accelerometer. Includes several activity detection modes.
MSRP – $39
MIKROE-1992

Line Follower Click
With five QRE1113 miniature reflective object sensors. Used for line following robots and cars.
MSRP – $15
MIKROE-1889

LP6 Click
With MQ-5 sensor for detecting liquefied petroleum gas leakage. Detection range 200-1000 ppm.
MSRP – $15
MIKROE-1583

LPS22HB Click
Used as a digital barometer. It carries the LPS22HB MEMS nano pressure sensor.
MSRP – $15
MIKROE-2665

LSM303AGR Click
Measures acceleration and magnetic field characteristics. Carries LSM303AGR module.
MSRP – $18
MIKROE-2684
**Methane Click**
With MQ-4 sensor for methane (CH4). Detection range 200-10000ppm of CH4.
MSRP – $15
Mikroe-1628

**MOTION Click**
It’s a motion detector sensitive only to live bodies with PIR500B, a pyroelectric sensor.
MSRP – $13
Mikroe-1589

**MPU IMU Click**
Carries MPU-6000 integrated 6-axis motion tracking device and a DMP (Digital Motion Processor).
MSRP – $39
Mikroe-1577

**Spectral Click**
Uses the AS7261, an XYZ chromatic white color sensor + NIR with electronic shutter and smart interface.
MSRP – $26
Mikroe-2972

**Spectral 2 Click**
Uses the AS7262, 6 channel visible spectral ID device with electronic shutter and smart Interface.
MSRP – $26
Mikroe-2973

**MPU 9DOF Click**
Carries the MPU-9150 system in package, the world’s first 9-axis motion tracking device.
MSRP – $31
Mikroe-1719

**Ozone 2 Click**
With MQ131 sensor for Ozone (O3). Detection range 10-1000 ppm of O3.
MSRP – $45
Mikroe-2767

**Pollution Click**
Detects organic gases - formaldehyde, benzene, alcohol, toluene, etc. Detection range 1x50ppm.
MSRP – $49
Mikroe-2516

**Pressure Click**
With LPS331AP digital output pressure sensor. For pressure (260-1260 mbar) and temp. [-40°C to 80°C].
MSRP – $25
Mikroe-1880

**Pressure 2 Click**
With MS5803, a high resolution MEMS pressure sensor. Range 0-14 bars, resolution up to 0.2 mbars.
MSRP – $69
Mikroe-1880
<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Model</th>
<th>MSRP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR Sense 2 Click</td>
<td>MIKROE-2966</td>
<td>$21</td>
<td>Uses the AK9752, an ultra-small infrared sensor IC, with an I2C interface, from AKM.</td>
</tr>
<tr>
<td>Spectral 3 Click</td>
<td>MIKROE-2961</td>
<td>$26</td>
<td>Uses the AS7263, a 6 channel NIR Spectral_ID device with electronic shutter and smart interface.</td>
</tr>
<tr>
<td>Pressure 3 Click</td>
<td>MIKROE-2293</td>
<td>$20</td>
<td>With DPS310 digital barometric pressure sensor. Range 300-1200 hPa.</td>
</tr>
<tr>
<td>Proximity Click</td>
<td>MIKROE-1445</td>
<td>$17</td>
<td>With VCNL4010 proximity and ambient light sensor. Range up to 20cm, 16-bit resolution.</td>
</tr>
<tr>
<td>SHT Click</td>
<td>MIKROE-2101</td>
<td>$26</td>
<td>Temperature and humidity sensor SHT3x-DIS. -0 to 100% RH, 40 to 125°C temp. range.</td>
</tr>
<tr>
<td>SHT1x Click</td>
<td>MIKROE-9910</td>
<td>$13</td>
<td>Digital humidity and temperature sensor SHT11. Not recommended for newer designs.</td>
</tr>
<tr>
<td>Smoke Click</td>
<td>MIKROE-2560</td>
<td>$19</td>
<td>With MAX30105 optical sensor for smoke detection. Sensor’s inherent resolution 0.0625°C.</td>
</tr>
<tr>
<td>THERMO 4 Click</td>
<td>MIKROE-2571</td>
<td>$11</td>
<td>Measures temperature in default range of 0°C to 127°C and extended range of -64°C to 191°C.</td>
</tr>
<tr>
<td>THERMO 5 Click</td>
<td>MIKROE-2571</td>
<td>$9</td>
<td>Ambient temp. measurement device, based on the MAX31875 temp. sensor.</td>
</tr>
<tr>
<td>Thermo 6 Click</td>
<td>MIKROE-2769</td>
<td>$9</td>
<td>Measures temperature in default range of 0°C to 127°C and extended range of -64°C to 191°C.</td>
</tr>
</tbody>
</table>
Stretch Click
Measures stretch forces with conductive rubber cord - 40-160 ohms per cm resistance.
MSRP – $56
Mikroe-2064

Altitude Click
MSRP – $14
Mikroe-1889

THERMO Click
With MAX31855K thermocouple-to-digital converter and PCC-SMP K-type thermocouple connector.
MSRP – $29
Mikroe-1197

THERMO 2 Click
With DS1825, a digital thermometer IC with a unique 64-bit address. -10°C to 85°C, ±0.5°C accuracy.
MSRP – $15
Mikroe-1840

THERMO 3 Click
With TMP102, a digital temp. sensor IC. Accurate within 0.5°C. Range from -25°C to 85°C.
MSRP – $9
Mikroe-1885

Altitude Click
MEMS pressure sensor MPL3115A2. Pressure/altitude (20-bit) and temp. data.
MSRP – $14
Mikroe-1889

THERMO K Click
It carries the MCP9600 IC. It can measure temperatures from -200 °C to +1372 °C.
MSRP – $24
Mikroe-2501

HTU21D Click
Carries a relative humidity sensor with temperature output. Rel. hum. 0-100%, temp. -40 to +125°C.
MSRP – $21
Mikroe-1687

ProxFusion Click
A multifunctional capacitive and Hall-effect sensor device. Carries the IQS624, a combined multi-sensor IC.
MSRP – $9
Mikroe-2920

Hall Switch Click
Uses the AH1389, an ultra-sensitive dual output unipolar Hall Effect switch, from Diodes Incorporated.
MSRP – $18
Mikroe-2985

Thermo 7 Click
Uses the MCP9800, a high accuracy temperature sensor IC with the 2-Wire interface, from Microchip.
MSRP – $9
Mikroe-2979
Thermostat Click
It carries MAX7502 IC that can measure temp. from -25°C to +100°C. Accuracy ±1.5°C.
MSRP – $19
MIKROE-2073

Thunder Click
Detects the presence and proximity of lightning activity with AS3935 lightning sensor.
MSRP – $35
MIKROE-2444

Tilt Click
With RPI-1035, a 4-directional optical tilt sensor - left, right, backward, forward movement.
MSRP – $12
MIKROE-1839

TILTnSHAKE Click
With MMA8491Q IC, a 3-axis digital accelerometer. Can function as a 45° tilt sensor.
MSRP – $19
MIKROE-1853

UNI HALL Click
With US5881 unipolar Hall-effect switch sensitive to the North Pole magnetic fields.
MSRP – $12
MIKROE-1647

Vibra sense Click
A micro shock vibration sensor with a digital output. For anti-tampering, anti-theft devices.
MSRP – $18
MIKROE-1927

Water Detect Click
For detecting water and other electroconductive liquids. Carries Microchip’s MCP606.
MSRP – $9
MIKROE-2786

Weather Click
With BME280 integrated environmental unit. Detects humidity, pressure, and temperature.
MSRP – $22
MIKROE-1979

Angle Click
Hall-effect angle sensing device used to measure the rotational angle of the magnetic field.
MSRP – $16
MIKROE-2030

Thermo J Click
It is a temperature measurement Click board™, which uses a thermo-couple type-J probe.
MSRP – $24
MIKROE-2011
UV Click
With ML8511 IC that is sensitive to UVA and UVB rays. Outputs either analog or digital signals.
MSRP – $24
MKRDE-1677

UV 2 Click
Carries VEML6075 UVA and UVB light sensor. With a photodiode, amplifiers, analog/digital circuits.
MSRP – $19
MKRDE-2378

UV 3 Click
An advanced ultraviolet (UV) light sensor with VEML6070 UVA light sensor.
MSRP – $9
MKRDE-2736

Proximity 5 Click
Features the VCN-L4035X01 J, a fully integrated proximity and ambient light sensor.
MSRP – $15
MKRDE-2984

Proximity 6 Click
Uses the ADUX1020, a photometric sensor for gesture and proximity detection.
MSRP – $29
MKRDE-3048

DHT22 2 Click
It is used for measuring the environmental temperature and relative humidity.
MSRP – $22
MKRDE-2818

IrDA 3 Click
Intelligent IR transceiver device that sends and receives UART commands via the IR interface.
MSRP – $26
MKRDE-2871

Microwave Click
It detects movement, thanks to the PD-V11 a 24GHz microwave motion sensor.
MSRP – $25
MKRDE-2781

Proximity 3 Click
Intelligent proximity and light sensing device - high sensitivity long distance PS and ALS.
MSRP – $17
MKRDE-2801

Alcohol Click
Detects alcohol in concentrations from 0.04 to 4mg/l with Q-3 Semiconductor sensor.
MSRP – $15
MKRDE-1588
Hall current 2 Click
A Hall effect linear current sensor with over-current fault output for less than 100 V isolation App.
MSRP – $18<sup>10</sup>
MIKROE-2987

UV 4 Click
Equipped with the Si1133, a UV index and ambient light sensor with I2C interface, from Silicon Labs.
MSRP – $15<sup>10</sup>
MIKROE-2893

Temp&Hum Click
A precise ambient temp. measurement device, with 8Kbit (1024 bytes) of EEPROM memory.
MSRP – $16<sup>10</sup>
MIKROE-2271

Temp&Hum 2 Click
With HTS221 temp. and relative humidity sensor. Measurement accuracy is ±1°C in 0-60°C range.
MSRP – $16<sup>10</sup>
MIKROE-3085

Temp-Hum 3 Click
Uses the Si7034, a digital humidity and temperature sensor IC with I2C interface, from Silicon Labs.
MSRP – $13<sup>10</sup>
MIKROE-2927

Temp-Log Click
A precise ambient temp. measurement device, with 8Kbit (1024 bytes) of EEPROM memory.
MSRP – $15<sup>10</sup>
MIKROE-2986

Temp-Log 2 Click
A precise ambient temp. measurement device, with the non-volatile (EEPROM) memory.
MSRP – $15<sup>10</sup>
MIKROE-2989

Magneto 5 Click
Features the MEMSIC MMC34160PJ, a 3-axis magnetic sensor IC.
MSRP – $15<sup>10</sup>
MIKROE-3054

Color 6 Click
Features the TCS3472 color light to digital converter with IR filter, from AMS.
MSRP – $44<sup>10</sup>
MIKROE-3082

Color 7 Click
Features the AS73211, an XYZ true color sensor from AMS.
MSRP – $16<sup>10</sup>
MIKROE-3082
Vacuum Click
With the monolithic vacuum sensor the MPXV6115V, it measures pressure values down to -115kPa.
MSRP – $43<sup>10</sup>
MIKROE-3195

Ambient 4 Click
Uses the BH1721FVC, a 16-bit digital light sensor with the I2C serial interface.
MSRP – $16<sup>10</sup>
MIKROE-3109

3D HALL 5 Click
Carries the IIS2MDC-TR, a low power 3D magnetic sensor.
MSRP – $15<sup>10</sup>
MIKROE-3107

Color 8 Click
Features the ROHM’s BH1749NUC, an integrated color sensor IC.
MSRP – $15<sup>10</sup>
MIKROE-3212

Accel 7 Click
Features the KXTJ3-1057 14-bit tri-axis digital accelerometer from Kionix.
MSRP – $13<sup>10</sup>
MIKROE-3244

ECG 3 Click
Uses the MAX30003 IC, an ultra-low power, single channel, integrated biopotential AFE.
MSRP – $45<sup>10</sup>
MIKROE-3273

Gyro 2 Click
It is equipped with the FXAS1002C, a three-axis integrated angular rate gyroscope.
MSRP – $18<sup>10</sup>
MIKROE-3100

Heart rate 6 Click
With two green LEDs, driven by the BH1790GLC, a monolithic integrated sensor for heart rate monitoring.
MSRP – $25<sup>10</sup>
MIKROE-3215

IR Grid 3 Click
Equipped with the MLX90640-BAA, a 32x24 IR array sensor, from Melexis.
MSRP – $87<sup>10</sup>
MIKROE-3217

Ambient 2 click
TI’s DPT3001 ambient light sensor. Measures the visible part of the light spectrum.
MSRP – $14<sup>10</sup>
MIKROE-1263
**Gaussmeter Click**
The MLX90393, a micro-power magnetometer based on the proprietary Triaxis® technology.

MSRP – $19
Mikroe-3099

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

MSRP – $24
Mikroe-3102

**LightRanger 3 Click**
Uses the Simblee™ enabled RFD77402 ToF sensor module from RF Digital.

MSRP – $27
Mikroe-3103

**IrThermo 3 Click**
Uses the MLX90632 FIR sensor from Mel-elix as the contactless temperature sensor.

MSRP – $59
Mikroe-3121

**CO 2 Click**
With the SPEC amperometric, 3SP CO 1000 gas sensor which electrochemically reacts with the [CO].

MSRP – $59
Mikroe-3126

**Accel 5 Click**
Features an ultra-low power triaxial accelerometer sensor, labeled as the BMA400.

MSRP – $19
Mikroe-3249

**LightRanger 4 Click**
Measures an accurate distance based on a ToF with VL53L1X rangefinder module.

MSRP – $24
Mikroe-3176

**Load cell Click**
With the HX711, a 24bit analog to digital converter (ADC), for weight scale applications.

MSRP – $12
Mikroe-3169

**Microwave 2 Click**
Detects movement by utilizing the NJR4265RF2C1, an intelligent 24GHz microwave motion sensor.

MSRP – $55
Mikroe-3187

**3D Hall 2 Click**
Measures the magnetic field in three perpendicular axes. With the TLV493D-A1B6, a 3D magnetic sensor.

MSRP – $15
Mikroe-3190
**Accel 6 Click**
The BMA280, a 14-bit triaxial acceleration sensor with intelligent on-chip motion triggered interrupt controller.

MSRP – $17
MKROE-3075

**Altitude 2 Click**
Uses the MS5607-02BA03, a barometric pressure sensor IC with the stainless steel cap.

MSRP – $16
MKROE-2338

**Pressure 4 Click**
Features the BMP280, a digital pressure sensor, from Bosch Sensortech.

MSRP – $18
MKROE-3020

**NDIR CO2 Click**
Uses the CDM7160 integrated sensor and measures an absolute CO2 concentration.

MSRP – $149
MKROE-3139

**Hall Current 3 Click**
Uses Hall effect to provide a precise and reliable measurement of reasonably high current.

MSRP – $19
MKROE-3118

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**Alcohol 3 Click**
Equipped with the MICS-5524, a compact metal oxide (MOS) sensor.

MSRP – $32
MKROE-3318

**Altitude 3 Click**
Allows high-resolution barometric pressure measurement, with the ICP-10100 sensor.

MSRP – $15
MKROE-3328

**Angle 2 Click**
A magnetic rotational sensor which relies on the ultra-fast MA700 angular sensor IC.

MSRP – $16
MKROE-2338

**Alcohol 2 Click**
The LMP91000, a high-precision integrated analog front-end IC (AFE).

MSRP – $67
MKROE-3037

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

MSRP – $72
MKROE-3028
**Temp&Hum 10 Click**
The BPS230, a relative humidity and temperature sensor with I²C Interface, by Bourns.

**Temp&Hum 11 Click**
The HDC1080, a low power humidity and temperature digital sensor from TI.

**Temp&Hum 12 Click**
The HDC2080, a Low Power Humidity and Temperature Digital Sensor from TI.

**Temp&Hum 13 Click**
The HTU21DF, a digital relative humidity sensor with temp. output from TE connectivity.

**LDC 1101 Click**
With the LDC1101, the integrated, high-res, high-speed, inductance-to-digital converter.

**Magnetic linear Click**
Which utilizes the HMC1501, a magnetic field displacement sensor IC.

**Magnetic rotary Click**
Which utilizes the HMC1512, a magnetic field displacement sensor IC.

**Pedometer 3 Click**
Equipped with the KX126-1063, an advanced tri-axis accelerometer sensor IC.

**Pressure 6 Click**
Allows readings in the range from 300hPa up to 1300hPa, with the BM1386GLV sensor.

**Hall Current 4 Click**
Designed to measure relatively high current by using the integrated ACS70331 sensor.
**Angle 4 Click**
With the AEAT-8800-Q24, an integrated 10 to 16-bit programmable angular magnetic encoder.
MSRP – $26
MIKROE-3130

**Thermo 15 Click**
The NCT75, a high accuracy temp. sensor IC with the 2-Wire interface, from ON Semiconductor.
MSRP – $9
MIKROE-3658

**Thermo 16 Click**
The TMP235, a high accuracy temperature sensor IC Texas Instruments.
MSRP – $9
MIKROE-3662

**Temp&Hum 5 Click**
The HIH6130, a relative humidity and temp. sensor with I²C Interface, by Honeywell.
MSRP – $28
MIKROE-3425

**Temp&Hum 9 Click**
The SHTC3, a relative humidity and temp. sensor with I²C Interface, by Sensirion.
MSRP – $13
MIKROE-3331

**IR Grid 2 Click**
It is equipped with the MLX90640, a 32x24 IR array sensor which contains 8 Kbit EEPROM.
MSRP – $75
MIKROE-3130

**MAGNETO 4 Click**
The AS5311, a high resolution magnetic linear encoder by ams.
MSRP – $30
MIKROE-3652

**MAGNETO 7 Click**
The BM1422AGMV, a 3-axis magnetic sensor IC from ROHM Semiconductor.
MSRP – $17
MIKROE-3657

**3D Hall 3 Click**
The LIS2MDL, a low power 3D magnetic sensor, from STMicroelectronics.
MSRP – $15
MIKROE-3310

**3D Hall 7 Click**
The AK09970N, a low power 3D magnetic sensor, from AsahiKASEI (AKM).
MSRP – $17
MIKROE-3629
The VCNL4040, a fully integrated proximity and ambient light sensor from Vishay Semiconductors.

The BNO080, a System in Package (SiP) sensor produced by Hillcrest Labs.

The ICM-20602, a 6-axis MEMS Motion Tracking™ IC from TDK Invensense.

The ACS723(LLCTR-05AB-T), a high-accuracy, galvanically isolated current sensor IC, from Allegro Microsystems. Equipped with the CAT34TS02 sensor from ON Semiconductor.

The MAX6642, a ±1°C, SMBus/I2C compatible local/remote temp. sensor by Maxim Integrated.

The TMP117, a high accuracy temp. sensor IC with the 2-Wire interface, from TI.
Temp&Hum 8 Click
With the ENS210 sensor. An ultra-accurate temperature and relative humidity sensor (RH).
MSRP – $120
MIKROE-3270

Temp&Hum 7 Click
Equipped with the Si7021-A20, an accurate and reliable sensor IC.
MSRP – $160
MIKROE-3272

Temp&Hum 8 Click
Based on a sensor from the popular SHT family, designed to measure temperature and humidity.
MSRP – $250
MIKROE-3269

Tilt 2 Click
Equipped with the RB-441-45, a 45° rolling ball sensor switch.
MSRP – $130
MIKROE-3343

Pressure 7 Click
Features an digital barometric pressure and temperature sensor labeled as MS5837.
MSRP – $490
MIKROE-3246

Remote Temp Click
The EMC1833 from Microchip, a specifically designed IC, measuring remote temperature.
MSRP – $150
MIKROE-3885

Gyro 3 Click
With the I3G4250, a three-axis digital gyroscope.
MSRP – $250
MIKROE-3449

Gyro 4 Click
A two-axis MEMS gyroscope for optical image stabilization app. with the L20G20IS.
MSRP – $150
MIKROE-3861

Gyro 5 Click
Equipped with the ITG-3701, a three-axis digital gyroscope.
MSRP – $200
MIKROE-3669
The AS7225, a calibrated XYZ chromatic smart lighting director from ams AG.
MSRP – $25.00
MIKROE-3320

The VEML6030, a high accuracy ambient light sensor (ALS), from Vishay Semiconductors.
MSRP – $11.00
MIKROE-3444

The AS5311, a high resolution magnetic linear encoder by ams.
MSRP – $9.00
MIKROE-3452

The SFH 5701 A01, an accurate light-intensity sensor from Osram Opto Semiconductors.

The LTR-329ALS-01, a high accuracy ambient light sensor (ALS) from LiteOn.

The BMP388, a digital pressure sensor, from Bosch Sensortech.
MSRP – $14.00
MIKROE-3566

The MPRLS002SPAO0001A, an accurate compensated pressure sensor, by Honeywell.
MSRP – $21.00
MIKROE-3338

The DPS422, a digital barometric air pressure sensor, by Infineon.
MSRP – $15.00
MIKROE-3441

The LPS33HW, digital output barometer IC in water-resistant package, from STMicroelectronics.

The ABP series gauge pressure sensor ABPLLNN600MGA3, made by Honeywell.
MSRP – $36.00
MIKROE-3466
**SENSORS**

**6DOF IMU 8 Click**
The ISM330DLC, a 3D accel. and 3D gyro. with digital output for industrial applications, by ST.

*MSRP – $21**<sup>00</sup>*
*MKRDOE-3467*

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**EEG Click**
The INA114, a precision instrumentation amplifier (IA) by Burr Brown®, a division of TI.

*MSRP – $46**<sup>00</sup>*
*MKRDOE-3369*

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**ECG 4 Click**
The LPS35HW, an absolute digital output barometer IC in water-resistant package.

*MSRP – $35**<sup>00</sup>*
*MKRDOE-3427*

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**ECG 5 Click**
The AD8232, an integrated heart rate monitoring front-end, by Analog Devices.

*MSRP – $35**<sup>00</sup>*
*MKRDOE-3467*

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**Hall current 5 Click**
The ACS733[KLATRAU], a Hall effect linear current sensor from Allegro Microsystems.

*MSRP – $18**<sup>00</sup>*
*MKRDOE-3393*

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**Thermostat 2 Click**
The G6D series PCB power relay, from Omron.

*MSRP – $15**<sup>00</sup>*
*MKRDOE-3425*

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**Opto Encoder 2 Click**
The AK09970N, a low power 3D magnetic sensor, from AsahiKASEI [AKM].

*MSRP – $26**<sup>00</sup>*
*MKRDOE-3634*

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**Barometer 2 Click**
The LPS35HW, an absolute digital output barometer IC in water-resistant package.

*MSRP – $15**<sup>00</sup>*
*MKRDOE-3633*

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**Pedometer Click**
Contains the STP201M module, made by NiceRF.

*MSRP – $16**<sup>00</sup>*
*MKRDOE-3567*

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**IR Sense 3 Click**
The AK9754, an ultra-small infrared sensor IC, with an I2C interface, from AKM.

*MSRP – $21**<sup>00</sup>*
*MKRDOE-3607*
The APDS-9250, an integrated color sensor IC, made by Broadcom.

MSRP – $34²⁰
MIKROE-3310

GMR Angle Click
The TL5012B E1000 is a 360° angle sensor and the analog multiplexer 74HCT4053.

MSRP – $17²⁰
MIKROE-3825

Heart Rate 9 Click
With PIC16F1779 8-bit MCU and SFH 7060 heart rate and pulse oximetry monitoring sensor.

MSRP – $19²⁰
MIKROE-3822

Opto Encoder 3 Click
With the TCU180X01 sensor is equipped with one infrared LED with the wavelength of 950nm.

MSRP – $12²⁰
MIKROE-3710

Accel 13 Click
The MLX90380, a monolithic contactless sensor IC module.

MSRP – $34²⁰
MIKROE-3310

6DOF IMU 9 Click
The 6DOF IMU 9 click is based on the IAM-20680 is a 6-axis MotionTracking device for Automotive app.

MSRP – $29²⁰
MIKROE-3869

6DOF IMU 11 Click
The TCUT1800X01 sensor is equipped with one infrared LED with the wavelength of 950nm.
The MCR1101-20-5 current sensor, which is an AMR based integrated current sensor.

**Accel 8 Click**  
The MPU6050, a motion tracking sensor IC, from TDK Invensense.  
MSRP – $190^*  
MIKROE-3341

**Accel 11 Click**  
The BMA456, a digital triaxial acceleration sensor from Bosch Sensortech.  
MSRP – $170^*  
MIKROE-3440

**Accel 12 Click**  
The MC3216, a low-noise and low power 3-axis accelerometer, from mCube.  
MSRP – $90^*  
MIKROE-3464

**13DOF Click**  
The BME680 is a digital 4-in-1 sensor with gas, humidity, pressure and temp. measurement.  
MSRP – $480^*  
MIKROE-3775

**13DOF 2 Click**  
The BME680 is a digital 4-in-1 sensor with VOC, humidity, pressure and temp. measurement.  
MSRP – $420^*  
MIKROE-3677

**Presence Click**  
The TPiS 1S 1385, a device from CaliPile™ multi-function IR sensor series by Excelitas Technologies.  
MSRP – $350^*  
MIKROE-3575

**Proximity 7 Click**  
The ADPS9930, a digital ambient and proximity sensor, by Broadcom (Avago Technologies).  
MSRP – $120^*  
MIKROE-3330

**Proximity 8 Click**  
The VCNL3667S, a proximity sensor with VCSEL in a single package, from Vishay.  
MSRP – $130^*  
MIKROE-3439

**Hall Current 9 Click**  
The CQ3300, a high-speed response coreless current sensor using a Hall sensor.  
MSRP – $220^*  
MIKROE-4466

**AMR Current Click**  
The MCR1101-20-5 current sensor, which is an AMR based integrated current sensor.  
MSRP – $150^*  
MIKROE-3812
Based on SI1153-AB09-GMR IC from Silicon Labs that can be used as a proximity and gesture detector.

**Temp-Hum 4 Click**
A smart environmental temp. and humidity sensor, uses HDC1010 sensor from Texas Instruments.
MSRP – $13
Mikroe-2939

**IR Click**
Features TSOP38338 IR 38 kHz receiver module as well as QEE113 IR emitting diode.
MSRP – $9
Mikroe-1277

**IrDA2 Click**
With TFDU4101 infrared transceiver module and MCP2120 infrared encoder/decoder.
MSRP – $25
Mikroe-1195

**IR Beacon Click**
Functions as a beacon device with nine VSMB-2948SL high speed infrared emitting diodes.
MSRP – $21
Mikroe-1039

**GSR Click**
Galvanic skin response (GSR) measures the electrodermal activity (EDA) of the human body.
MSRP – $24
Mikroe-2860

**Heart Rate 8 Click**
It is an optical biosensor Click board™, designed for heart-rate monitoring (HRM).
MSRP – $36
Mikroe-3218

**Thermo 8 Click**
It features the MCP9808, a digital temp. sensor with ±0.5 °C max. accuracy, from Microchip.
MSRP – $9
Mikroe-3290

**6DOF IMU 10 Click**
Features the KMX62-1031 a 6 Degrees-of-Freedom inertial sensor from Kionix.
MSRP – $22
Mikroe-3934

**Thermo 9 Click**
Features the TSYS01, a digital temperature sensor from TE Connectivity.
MSRP – $18
Mikroe-3993

**Proximity 13 Click**
Based on SI1153-AB09-GMR IC from Silicon Labs that can be used as an proximity, and gesture detector.
MSRP – $13
Mikroe-3992
**SENSORS**

**PIR Click**
The PL-N823-01 – a PL Pyroelectric Infrared Sensors from KEMET.
MSRP – $12
MKTID: 3742

**Ambient 3 Click**
The IIS2DLPC, a high-performance ultra-low-power 3-axis accel. for industrial app.
MSRP – $12
MKTID: 3453

**Proximity 10 Click**
The Si1143, a photometric sensor for the ambient light and proximity detection.
MSRP – $23
MKTID: 3685

**Proximity 11 Click**
The RPR-0521RS, a digital ambient and proximity sensor, by ROHM Semiconductor.
MSRP – $9
MKTID: 3689

**Remote Temp Click**
The EMC1833, a ±1°C, SMBus/I2C compatible local/remote temperature sensor.
MSRP – $15
MKTID: 3685

**Thermo 13 Click**
The BH1900NUX, a high accuracy temperature sensor IC with the 2-Wire interface.
MSRP – $7
MKTID: 3688

**PIR Click**
The PL-N823-01 – a PL Pyroelectric Infrared Sensors from KEMET.
MSRP – $12
MKTID: 3742

**Thermostat 3 Click**
The MAX31855, it’s IC a thermocouple-to-digital converter with a built-in 14-bit ADC.
MSRP – $36
MKTID: 3724

**TMR Angle Click**
The TLE5501 it’s an angle sensors for any kind of angular position sensing.
MSRP – $17
MKTID: 3789

**CAMERA Click**
Carries OV7670-VL2A, a low voltage CMOS image sensor.
MSRP – $39
MKTID: 3816

**Ambient Click**
With MLX75305 IC, CMOS integrated optical sensor. Converts ambient light intensity into voltage.
MSRP – $9
MKTID: 3890
**Load Cell 2 Click**
Features NAU7802, 24-Bit Dual-Channel ADC for Bridge Sensors.
MSRP – $90
MKRDE-4047

**Force 2 Click**
With the FSS015NGT Honeywell’s FSS-SMT Series force sensor.
MSRP – $159
MKRDE-4046

**6DOF IMU 12 Click**
The BMI270 IC, a low power inertial measurement unit, from Bosch Sensortec.
MSRP – $222
MKRDE-4073

**Motion 2 Click**
Based on EKMC1607112, PIR motion sensor from Panasonic Corporation.
MSRP – $29
MKRDE-4079

**Motion 3 Click**
Based on EKMC1606112, PIR motion sensor from Panasonic Corporation.
MSRP – $31
MKRDE-4079

**Compass 3 Click**
The MMC5883MA, a complete 3-axis magnetic sensor with signal processing from MEMSIC.
MSRP – $158
MKRDE-4063

**ECG 6 Click**
It features the MAX86150, a Reflective Heart Rate Monitor and Medical-Grade Pulse Oximeter.
MSRP – $299
MKRDE-4062

**6DOF IMU 3 Click**
The FXOS8700CQ is a low-power 3-axis linear accelerometer, and 3-axis magnetometer.
MSRP – $7
MKRDE-4086

**Motion 4 Click**
Features EKMC1603111, a PIR motion sensor from Panasonic Corporation.
MSRP – $38
MKRDE-4078

**6DOF IMU 5 Click**
Features 7-Axis ICM-20789 chip from TDK.
MSRP – $35
MKRDE-4089
The ICM-20689, a 6-axis Motion-tracking with a 3-axis gyroscope, a 3-axis accelerometer, and a DMP.

MSRP – $15.

MIKROE-4044
6DOF IMU 6 Click

The MAXM8616 - Single-Supply Integrated Optical Module for HR and SpO2 Measurement.

MSRP – $23.

MIKROE-4037
Heart Rate 2 Click

The NA260AIPWR, a digital-output, current, power, and voltage monitor with an I2C and SMBus™interface.

MSRP – $22.

MIKROE-4039
VCP Monitor Click

Feature the BG51 radiation sensor is based on an array of customized PIN diodes.

MSRP – $149.

MIKROE-4005
Index Counter Click

It’s based on VEML3328, a RGB and IR light sensor from Vishay.

MSRP – $149.

MIKROE-3990
Ambient 11 Click

With the VEML6035, a low power, high sensitivity, I2C ambient light sensor from Vishay Semiconductors.

MSRP – $9.

MIKROE-3990
Index Counter Click

Set and control exact PCB temp. with the TMP235 on board temp. sensor from Texas Instruments.

MSRP – $16.

MIKROE-3990
Index Counter Click

The TMP451-Q1, a high-accuracy, low-power remote temp. sensor monitor with a built-in local temp. sensor.

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The SHT31-ARP, a high accuracy temperature and humidity sensor from Sensirion.

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The TLE4966K, an integrated circuit double Hall-effect sensor.

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The NA260AIPWR, a digital-output, current, power, and voltage monitor with an I2C and SMBus™interface.

MSRP – $22.

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Feature the BG51 radiation sensor is based on an array of customized PIN diodes.

MSRP – $149.

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MSRP – $149.
9DOF 3 Click
The BMX055, a 9-axis sensor for the detection of movements, rotations, and magnetic heading.
MSRP – $16
MKR0D-E-4233

Light mix-sens Click
The TM037253 IC, a proximity measurement, color sensor (RGB+IR), and digital ALS device, from AMS.
MSRP – $7
MKR0D-E-4148

Force 4 click
Based on HSFPAR003A piezoresistive force sensor from Alpsalpine.
MSRP – $26
MKR0D-E-4139

Spectrometer Click
Uses the AS7341 IC, 12-Channel Spectral Sensor Frontend from AMS-AG.
MSRP – $24
MKR0D-E-4253

Surface temp Click
With the ADT7420 – an accurate 16-Bit Digital I2C temp. sensor from Analog Devices.
MSRP – $26
MKR0D-E-4250

Ammonia Click
An Ammonia detection (NH3) sensor, based on the MQ-137 gas sensor.
MSRP – $69
MKR0D-E-4231

Hydro Probe Click
Uses the MIC1557 and MCP3221 IC’s. The capacitive soil moisture sensors.
MSRP – $9
MKR0D-E-4128

Accel 14 Click
Uses the LIS3DWB IC, an ultra-wide bandwidth, low-noise, 3-axis digital vibration sensor.
MSRP – $41
MKR0D-E-4185

Thermostat 4 Click
The TMP392, enables protection and detection of system thermal events from 30°C to 130°C.
MSRP – $28
MKR0D-E-4194

Barometer 3 Click
Based on DPS368, a digital barometric air pressure sensor IC from Infineon.
MSRP – $8
MKR0D-E-4250
The GUVC-T21GH UV sensor from GenUV measures UVC spectrum in the range of 220nm up to 280nm. MSRP – $45

MIKROE-4144 UVC Click Uses the TLI493D-A2B6 IC, low power 3 dimensional Hall effect sensor with I2C interface, from Infineon. MSRP – $12

MIKROE-4139 Magneto 6 Click Uses the HSPPAD042A IC, a digital pressure sensor, from ALPS ELECTRIC. MSRP – $12

MIKROE-4142 Pressure 10 Click Based on GU-VB-C31SM, a Digital UV Sensor from GENUV Technology. MSRP – $24

MIKROE-4145 UVB Click The STTS22H, a high accuracy temp. sensor IC with the 2-Wire interface, from STMicroelectronics. MSRP – $7

MIKROE-4132 Thermo 14 Click The LIS2DW12TR, a high-performance ultra-low-power 3-axis “femto” accelerometer. MSRP – $9

MIKROE-4127 Altitude 4 Click Based on the ICM-20948, a high performance, 9-axis MotionTracking™ IC from TDK Invensense. MSRP – $20

MIKROE-4128 9DOF 2 Click The TSL3301CL IC, 102 x 1 linear optical sensor array with onboard A/D conversion from AMS-AG. MSRP – $24

MIKROE-4108 Scanner Click The LIS2DW12TR, a high-performance ultra-low-power 3-axis “femto” accelerometer. MSRP – $9

MIKROE-4112 Accel 10 Click The LIS2DW12TR, a high-performance ultra-low-power 3-axis “femto” accelerometer. MSRP – $9

MIKROE-4106 TMR mix-sens Click With three different Coto Technology RedRock™ TMR magnetic sensors. MSRP – $19

MIKROE-4232 Thermo 14 Click The STTS22H, a high accuracy temp. sensor IC with the 2-Wire interface, from STMicroelectronics. MSRP – $7
The MS8607, a digital combination sensor providing 3 environmental measurements.

MSRP – $2200
MIKROE-4348

The TSYS03, a digital temp. sensor with precise digital output and low power consumption.

MSRP – $700
MIKROE-4316

The SHT40, high-accuracy ultra-low-power 16-bit relative humidity and temperature sensor.

MSRP – $1500
MIKROE-4306

The FMAMSDXX025W-C2C3, a piezoresistive-based force sensor with a digital output.

MSRP – $6900
MIKROE-4305

The MTi-3, a module outputting 3D orientation, 3D rate of turn, 3D accelerations, and 3D magnetic field.

MSRP – $39900
MIKROE-4192

The MAX31825, a digital thermometer with 12-bit temp. measurements.

MSRP – $1600
MIKROE-4295

Features the ASM330LHH, automotive 6-axis MEMS motion tracking device.

MSRP – $3100
MIKROE-4330

Features AK09915, a complete 3-axis magnetic sensor with signal processing from AKM.

MSRP – $1200
MIKROE-4232

The AX1812S5, a digital thermometer with 12-bit temp. measurements.

MSRP – $1600
MIKROE-4295

The MA302, a 12-bit digital contactless angle sensor with ABZ and UVW incremental outputs.

MSRP – $1800
MIKROE-4270

The KP229E2701, a miniaturized analog absolute pressure sensor.

MSRP – $1800
MIKROE-4294

The SHT40, high-accuracy ultra-low-power 16-bit relative humidity and temperature sensor.

MSRP – $1500
MIKROE-4306

The FMAMSDXX025W-C2C3, a piezoresistive-based force sensor with a digital output.

MSRP – $6900
MIKROE-4305

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MSRP – $1600
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The MA302, a 12-bit digital contactless angle sensor with ABZ and UVW incremental outputs.
The EM3080-W, a barcode decoder chip with superior performance, and low power consumption.

MSRP – $139

MIKROE-4195

Barcode 2 Click

The ADS1247, a highly integrated 24-bit data converters with a PGA.

MSRP – $24

MIKROE-4282

RTD 2 Click

Features the ADT7422, a 16-bit i2C temperature sensor from Analog Devices.

MSRP – $16

MIKROE-4266

Surface temp 2 Click

The MiCS-VZ-89TE, an integrated sensor module for indoor air quality monitoring from Amphenol.

MSRP – $41

MIKROE-4196

Air quality 7 Click

The MC6470 with an accelerometer and magnetometer for a 6 DoF sensor solution.

MSRP – $9

MIKROE-4228

6DOF IMU 13 Click

Features the VCN-L4020C-GS08, a fully integrated high-resolution digital biosensor.

MSRP – $15

MIKROE-4267

Oximeter 3 Click

The APDS-9160-003, digital proximity, and ambient light sensing sensor from Broadcom Limited.

MSRP – $15

MIKROE-4197

Ambient 9 Click

The ICM-42688-P, high precision 6-axis MEMS motion tracking device, from TDK InvenSense.

MSRP – $15

MIKROE-4237

6DOF IMU 14 Click

Features the AS5601, 12-bit programmable contactless encoder IC from AMS-AG.

MSRP – $15

MIKROE-4204

Magneto 8 Click

The MiCS-VZ-89TE, an integrated sensor module for indoor air quality monitoring from Amphenol.

MSRP – $41

MIKROE-4238

Force 3 Click

Based on the FSR 400 series 34-00004 single zone Force Sensing Resistor IC from Interlink Electronics.

MSRP – $25

MIKROE-4249

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The MC6470 with an accelerometer and magnetometer for a 6 DoF sensor solution.

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The MC6470 with an accelerometer and magnetometer for a 6 DoF sensor solution.
The ABP2LANT060P-G2A3XX, a piezoresistive silicon pressure sensor. MSRP – $39

MIKROE-4424
Pressure 14 Click

The ADPD144RI, a PPG optical sensor for photoplethysmography detection of blood oxygenation. MSRP – $18

MIKROE-4292
Oximeter 2 Click

Features the ZSC31014, a CMOS integrated circuit for highly accurate amplification. MSRP – $20

MIKROE-4458
Load Cell 4 Click

The LTC2986, a high-accuracy digital temperature measurement system. MSRP – $112

MIKROE-4301
Temp Probe Click

The ACS770, a Hall effect-based high precision linear current sensor with 100μA current conductor. MSRP – $36

MIKROE-4420
Hall Current 7 Click

The LTC2990, a high-performance temperature, voltage, and current monitor. MSRP – $63

MIKROE-4353
VCT Monitor Click

The LDTM-028K a vibration sensor, offering high sensitivity at low frequencies. MSRP – $26

MIKROE-4355
Vibra Sense 2 Click

The AK09918C, a 3-axis electronic compass with high sensitive Hall sensor technology. MSRP – $15

MIKROE-4366
Compass 5 Click

The ZMOD4450, a gas sensor module used to detect typical gases inside refrigeration applications. MSRP – $35

MIKROE-4385
RAQ Click

The pH EZO™, offers the highest level of stability and accuracy from AtlasScientific. MSRP – $109

MIKROE-4297
pH Click

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MIKROE-4297
pH Click
Features the ADA4571, an AMR sensor with amplified cosine and sine output from ADI.

**Smoke 2 Click**
The ADPD188BI module for smoke detection with optical dual-wave-length technology.

**Features the TMF8801**, a dToF optical distance sensor with associated VCSELL from AMS.

**Features the TLI493D-W2BW**, a low-power magnetic sensor from Infineon.

**Features the KMZ60**, a high precision sensor for magnetic angle measurement from NXP.

**MSRP – $32\text{00}**
MIKROE-4561

**MSRP – $11\text{00}**
MIKROE-4598

**MSRP – $19\text{00}**
MIKROE-4534

**The AD7780-pin-programmable, low power, 24-bit sigma-delta ADC from Analog Devices.**

**Load Cell 5 Click**
The AD7780-pin-programmable, low power, 24-bit sigma-delta ADC from Analog Devices.

**AMR Angle Click**
Features the ADA4571, an AMR sensor with amplified cosine and sine output from ADI.

**LightRanger 5 Click**
Features the TMF8801, a dToF optical distance sensor with associated VCSELL from AMS.

**3D Hall 8 Click**
Features the TLI493D-W2BW, a low-power magnetic sensor from Infineon.

**MR Angle Click**
Features the KMZ60, a high precision sensor for magnetic angle measurement from NXP.

**MSRP – $21\text{00}**
MIKROE-4510

**MSRP – $26\text{00}**
MIKROE-4592

**MSRP – $7\text{00}**
MIKROE-4534

**The AS7030B, a vital sign sensor with PPG and Electrocardiogram (ECG) operations.**

**MSRP – $27\text{00}**
MIKROE-4500

**MSRP – $15\text{00}**
MIKROE-4501

**MSRP – $7\text{00}**
MIKROE-4496

**The SHT40, high-accuracy ultra-low-power 16-bit relative humidity and temperature sensor.**

**The BMA490L, a high-performance 16-bit digital triaxial longevity acceleration sensor.**

**The SHT40 and SGP40, a high-accuracy best-in-class SHT relative humidity, and a temp. sensor.**

**SGP40**
High-accuracy best-in-class SHT relative humidity, and a temp. sensor.

**MSRP – $19\text{00}**
MIKROE-4558

**MSRP – $15\text{\textsuperscript{00}}**
MIKROE-4501

**MSRP – $27\text{\textsuperscript{00}}**
MIKROE-4500

**MSRP – $19\text{\textsuperscript{00}}**
MIKROE-4558

**MSRP – $7\text{\textsuperscript{00}}**
MIKROE-4496

**MSRP – $45\text{\textsuperscript{00}}**
MIKROE-4299

**MSRP – $2\text{1}\text{00}**
MIKROE-4561

**MSRP – $2\text{6}\text{00}**
MIKROE-4562

**MSRP – $2\text{6}\text{00}**
MIKROE-4562

**MSRP – $1\text{1}\text{00}**
MIKROE-4598

**MSRP – $1\text{9}\text{00}**
MIKROE-4534

**MSRP – $7\text{00}**
MIKROE-4534

**MSRP – $2\text{6}\text{00}**
MIKROE-4562

**MSRP – $1\text{1}\text{00}**
MIKROE-4598

**MSRP – $1\text{9}\text{00}**
MIKROE-4534
<table>
<thead>
<tr>
<th>Name</th>
<th>MSRP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone 3 Click</td>
<td>$79</td>
<td>Features the 3SP-O3-20, a electrochemical ozone sensor from SPEC Sensors.</td>
</tr>
<tr>
<td>Piezo Accel Click</td>
<td>$109</td>
<td>Features the 820M1-0025, a piezoelectric accelerometer from TE Connectivity.</td>
</tr>
<tr>
<td>Hall Current 8 Click</td>
<td>$29</td>
<td>25A version featuring the TLI4971-A025T5, a high-precision coreless current sensor from Infineon.</td>
</tr>
<tr>
<td>Hall Current 8 Click</td>
<td>$23</td>
<td>120A version features the TLI4971-A120T5, a high-precision current sensor from Infineon.</td>
</tr>
<tr>
<td>Load Cell 3 Click</td>
<td>$40</td>
<td>Features the 820M1-0025, a piezoelectric accelerometer from TE Connectivity.</td>
</tr>
<tr>
<td>Heart Rate 10 Click</td>
<td>$40</td>
<td>Based on the MAX6916, an integrated optical sensor from Analog Devices.</td>
</tr>
<tr>
<td>Temp&amp;Hum 16 Click</td>
<td>$15</td>
<td>Features the WSEN-HIDS, a MEMS-based capacitive humidity sensor from Würth.</td>
</tr>
<tr>
<td>HVAC Click</td>
<td>$69</td>
<td>Features the SCD41 carbon dioxide and connector for SPS30 PM sensor from Sensirion.</td>
</tr>
<tr>
<td>VAV Press Click</td>
<td>$27</td>
<td>Carries the LMIS025B, a low differential pressure sensor from First Sensor.</td>
</tr>
<tr>
<td>Air Flow Click</td>
<td>$37</td>
<td>Features the LH40ULTRA MO12UB3, an micro-flow differential pressure sensor from First Sensor.</td>
</tr>
</tbody>
</table>
Ultra-Low Press Click
Features the SM8436, mountable gage pressure sensor from Silicon Microstructure.
MSRP – $21
MIKROE-4779

Temp&Hum 17 Click
Features the HS3001, a relative humidity and temperature sensor from Renesas.
MSRP – $32
MIKROE-4702

Pressure 15 Click
Features the LPS27HHW, a piezoresistive pressure sensor from STMicroelectronics.
MSRP – $7
MIKROE-4747

Proximity 14 Click
Features the VCNL36825T, a fully integrated close-range proximity sensor from Vishay.
MSRP – $31
MIKROE-4744

Hall Current 10 Click
Features the ACSL-7194, a fully integrated Hall current sensor from Broadcom.
MSRP – $31
MIKROE-4753

Color 13 Click
Based on the APDS-9999, RGB and proximity detector sensor in one module from Broadcom.
MSRP – $14
MIKROE-4741

Inclinometer Click
Features the SCL3000, a high-performance inclinometer sensor component from Murata.
MSRP – $85
MIKROE-4788

Hall Switch 2 Click
Carries the MHA100KN, a high-performance, low-power Hall-Effect sensor from MEMSIC.
MSRP – $27
MIKROE-4788

Current 4 Click
Based on INA250, a bidirectional, zero-drift current-shunt monitor from Texas Instruments.
MSRP – $15
MIKROE-4788

Proximity 12 Click
Carries TMD3719, an ambient, proximity, and flicker detection sensing IC from AMS-AG.
MSRP – $22
MIKROE-3993
**Pressure 16 Click**
Features the WSENPADS, a high-precision MEMS pressure sensor from Wurth.
MSRP – $16
MIKROE-4785

**Ambient 12 Click**
Based on the BH1620FVC, an analog current-output type ambient light sensor from Rohm.
MSRP – $14
MIKROE-4782

**6DOF IMU 17 Click**
Features the ILM-42652, a 6-axis SmartIndustrial MotionTracking sensor from TDK.
MSRP – $24
MIKROE-4785

**Ambient 10 Click**
Features the APDS-9006-020, analog-output ambient light photo-sensor from Broadcom.
MSRP – $14
MIKROE-4777

**LDC Click**
Based on the LDC1312-Q1, 12-bit inductance to digital converter from Texas Instruments.
MSRP – $15
MIKROE-4799

**Tilt 3 Click**
Utilizes the DSBA1P, a non-contact switch with an embedded photo-interrupter from NKK.
MSRP – $22
MIKROE-4779

**Magneto 9 Click**
Features the A1359, dual tracking output linear hall-effect sensor from Allegro.
MSRP – $19
MIKROE-4778

**Compass 6 Click**
Based on the HSC0TD008A, a high-sensitivity geomagnetic sensor from ALPS.
MSRP – $25
MIKROE-4796

**Hall Current 11 Click**
Features the TMG110, a galvanically isolated Hall-effect current from Texas Instruments.
MSRP – $30
MIKROE-4797

**Color 14 Click**
Features the APDS-9151, an integrated RGB and ambient light sensor from Broadcom.
MSRP – $12
MIKROE-4799

Features the WSENPADS, a high-precision MEMS pressure sensor from Wurth.
MIKROE-4785

Utilizes the DSBA1P, a non-contact switch with an embedded photo-interrupter from NKK.
MIKROE-4779

Features the A1359, dual tracking output linear hall-effect sensor from Allegro.
MIKROE-4778

Based on the HSC0TD008A, a high-sensitivity geomagnetic sensor from ALPS.
MIKROE-4796

Features the TMG110, a galvanically isolated Hall-effect current from Texas Instruments.
MIKROE-4797

Features the APDS-9151, an integrated RGB and ambient light sensor from Broadcom.
MIKROE-4799
**SENSORS**

- **LDC 2 Click**
  - Features the LDC1041, inductance-to-digital converter from Texas Instruments.
  - MSRP – $34\^{\text{**}}$
  - MIKROE-4783

- **Accel 18 Click**
  - Based on MC3419, a digital output 3-axis accelerometer sensor from MEMSIC.
  - MSRP – $7\^{\text{**}}$
  - MIKROE-4826

- **Proximity 15 Click**
  - Uses the VL53L1, Time-of-Flight laser-ranging miniature sensor from ST.
  - MSRP – $19\^{\text{**}}$
  - MIKROE-4822

- **Thermo 18 Click**
  - Features the WSEN-TIDS, a high-precision digital temperature sensor from Würth.
  - MSRP – $12\^{\text{**}}$
  - MIKROE-4829

- **Gyro 6 Click**
  - Features the IAM-20380, a 3-axis and angular rate sensor (gyroscope) from TDK.
  - MSRP – $27\^{\text{**}}$
  - MIKROE-4827

- **Hall Current 12 Click**
  - Features the TMCS1100A4, a Hall-effect current sensor from Texas Instruments.
  - MSRP – $38\^{\text{**}}$
  - MIKROE-4798

- **Accel 17 Click**
  - Based on the MXC62320MP, a low-power dual-axis accelerometer from MEMSIC.
  - MSRP – $25\^{\text{**}}$
  - MIKROE-4855

- **Barometer 4 Click**
  - Features the ICP-10111, a high accuracy barometric and temperature sensor from TDK.
  - MSRP – $12\^{\text{**}}$
  - MIKROE-4868

- **Magneto 10 Click**
  - Is based on MLX90392, a +/-5mT range magnetometer for low-noise applications from Melexis.
  - MSRP – $15\^{\text{**}}$
  - MIKROE-4866

- **Altitude 5 Click**
  - Carries the KP236, an analog barometric air pressure sensor from Infineon.
  - MSRP – $24\^{\text{**}}$
  - MIKROE-4875
<table>
<thead>
<tr>
<th>Device Name</th>
<th>MSRP</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity Click</td>
<td>$13</td>
<td>Features the HIH-5030, an analog output relative humidity sensor from Honeywell.</td>
</tr>
<tr>
<td>Accel 16 Click</td>
<td>$17</td>
<td>Based on the ADXL363, a 3-axis and temperature sensor from Analog Devices.</td>
</tr>
<tr>
<td>Thermo 21 Click</td>
<td>$18</td>
<td>Carries the ADT7301, a high-precision digital temperature sensor from Analog Devices.</td>
</tr>
<tr>
<td>Environment 3 Click</td>
<td>$17</td>
<td>Features the CC2D23, a fully-calibrated relative humidity and temperature sensor from Amphenol.</td>
</tr>
<tr>
<td>Temp&amp;Hum 18 Click</td>
<td>$13</td>
<td>Features the HS3003, a fully calibrated relative humidity and temperature sensor from Renesas.</td>
</tr>
<tr>
<td>Altitude 6 Click</td>
<td>$25</td>
<td>Carries the MS5611-01BA, a high-resolution barometric pressure sensor from TE Connectivity.</td>
</tr>
<tr>
<td>Temp&amp;Hum 20 Click</td>
<td>$24</td>
<td>Features the BME688, a first gas sensor with Artificial Intelligence (AI) from Bosch Sensortec.</td>
</tr>
<tr>
<td>Accel 20 Click</td>
<td>$18</td>
<td>Based on KX134-1211, a digital output 3-axis accelerometer sensor from Rohm.</td>
</tr>
<tr>
<td>Air Quality 8 Click</td>
<td>$19</td>
<td>Features the ZMOD4510, a fully calibrated digital air quality sensor from Renesas.</td>
</tr>
<tr>
<td>Ambient 16 Click</td>
<td>$14</td>
<td>Features the BH1726NUC, a 16-bit digital-output ambient light sensor from Rohm.</td>
</tr>
</tbody>
</table>
**Temp&Hum 19 Click**
Is based on BPS240, a highly accurate relative humidity and temperature sensor from Bourns.

**MSRP – $18**
Mikroe-4922

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**Load Cell 6 Click**
Features the MAX1270, a high-performance 24-bit ADC from Analog Devices.

**MSRP – $52**
Mikroe-4924

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**Magnetic Rotary 2 Click**
Based on the AEAT-9922, an angular magnetic rotary sensor from Broadcom.

**MSRP – $58**
Mikroe-4952

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**Barometer 5 Click**
Features the MS5637-02BA03, a high-accuracy low voltage barometric and temperature sensor from TE.

**MSRP – $24**
Mikroe-4924

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**UVA Click**
Based on the GUVA-C325M, an ultraviolet light sensor from Genicom.

**MSRP – $24**
Mikroe-4921

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**Current 5 Click**
Features the INA341, a high-speed current-sense amplifier from Texas Instruments.

**MSRP – $24**
Mikroe-4953

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**Accel 19 Click**
Based on the LIS2DTW12, an ultra-low-power high-performance three-axis accelerometer from ST.

**MSRP – $17**
Mikroe-4949

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**3D Hall 9 Click**
Carries the ALS31300, a 3D linear Hall–effect sensor with digital output from Allegro.

**MSRP – $14**
Mikroe-4948

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**Barometer 7 Click**
Carries the ALS31300, a 3D linear Hall–effect sensor with digital output from Allegro.

**MSRP – $23**
Mikroe-4913

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**Smart Sens Click**
Features the KP264XTM1, a digital barometric air pressure sensor from Infineon.

**MSRP – $29**
Mikroe-4926
Ambient 18 Click
Based on the BH1680FVC, an analog current-output ambient light sensor from Rohm.
MSRP – $99
MKSDE-4943

Oximeter 5 Click
Features the MAX30102, pulse oximetry and heart-rate module from Analog Devices.
MSRP – $937
MKSDE-4988

Ambient 15 Click
Carries the TSL2584TSV, a light-to-digital converter sensor from AMS-AG.
MSRP – $12
MKSDE-4987

Pressure 17 Click
Features the BML390GLV-Z, a high-precision piezoresistive pressure sensor from Rohm.
MSRP – $12
MKSDE-4978

Barometer 6 Click
Features the 2SMPB-02E, a high-accuracy digital barometric air pressure sensor from Omron.
MSRP – $79
MKSDE-4905

CO2 Click
Based on STC31, a miniature gas concentration CO2 sensor from Sensirion.
MSRP – $679
MKSDE-4975

Angle 8 Click
Features the MA7826GU, an angle sensor with integrated wake-up angle detection from MPS.
MSRP – $15
MKSDE-4971

Diff Press 2 Click
Carries the SDP31, a small differential pressure sensor (500pa) from Sensirion.
MSRP – $51
MKSDE-4984

Thermo 22 Click
Features the TMP75C, a high-precision digital temperature sensor from Texas Instruments.
MSRP – $7
MKSDE-5068

Hall Current 13 Click
Features the TMCS1107-Q1, galvanically isolated Hall-effect sensor from TI.
MSRP – $38
MKSDE-5068
Current 6 Click
Features the MAX40080, a bi-directional current-sense amplifier from Analog Devices.
MSRP – $32
MKRDE-5014

Magneto 11 Click
Based on the AS5510, a linear hall sensor with 10-bit resolution from ams AG.
MSRP – $12
MKRDE-5087

RF Meter 3 Click
Features the LT5581, a monolithic precision RMS power detector from Analog Devices.
MSRP – $24
MKRDE-4936

Current 7 Click
Based on the INA282, a high-accuracy current shunt monitor from Texas Instruments.
MSRP – $26
MKRDE-4976

Magneto 12 Click
Carries the A31315, accurate and reliable magnetic position sensor from Allegro.
MSRP – $18
MKRDE-2952

Air Quality 9 Click
Features the ENS160, a digital multi-gas sensor solution based on metal oxide from ScioSense.
MSRP – $32
MKRDE-5080

Proximity 17 Click
Based on the TMD2635, a miniature proximity sensor module from ams AG.
MSRP – $12
MKRDE-5094

IR 2 Click
Carries the TSMP5B13B, a sensor for receiving the modulated signal of IR diode from Vishay.
MSRP – $7
MKRDE-5088

Ambient 17 Click
Features the TSL2572, a digital-output ambient light sensor from ams AG.
MSRP – $7
MKRDE-5106

Thermo 24 Click
Features the STS40, a high-accuracy ultra-low-power temperature sensor from Sensirion.
MSRP – $11
MKRDE-5120
Barometer 8 Click
Features the ILPS22QS, piezoresistive absolute pressure sensor from ST.
MSRP – $15[^2]
MIKROE-5129

Thermo 23 Click
Based on the TMP144, a high-precision digital temperature sensor from TI.
MSRP – $6[^2]
MIKROE-4879

Gyro 7 Click
Features the ADXL367, high-performance three-axis accelerometer from Analog Devices.
MSRP – $9[^2]
MIKROE-5146

Pressure 19 Click
Carries the MLX90817, a factory-calibrated absolute pressure sensor from Melexis.
MSRP – $2[^2]
MIKROE-5089

3D Hall 10 Click
Based on the TMAG5170, a high-precision linear 3D Hall effect sensor from TI.
MSRP – $9[^2]
MIKROE-5125

Color 15 Click
Based on the CLS-16D24, a low power color light sensor from Everlight Electronics.
MSRP – $12[^2]
MIKROE-5121

Accel 22 Click
Based on the CLS-16D24, a low power color light sensor from Everlight Electronics.
MSRP – $17[^2]
MIKROE-4886

Pressure 20 Click
Features the ADXL367, high-performance three-axis accelerometer from Analog Devices.
MSRP – $12[^2]
MIKROE-5153

Inclinometer 2 Click
Features the IIS2ICLX, high accuracy, and resolution two-axis inclinometer from ST.
MSRP – $79[^2]
MIKROE-5156

Radar Click
Features the MM5D91-00, a 600GHz mmWave presence sensor from Jorjin.
MSRP – $89[^2]
MIKROE-5289

*MSRP: Manufacturer’s Suggested Retail Price
[^2]: MIKROE website
3D Hall 11 Click
Features the TMA6273, a low-power linear 3D Hall-effect sensor from TI.
MSRP – $6.00
MKRIDE-5188

IR Gesture 2 Click
With the MAX25405, a gesture and proximity sensing system from Analog Devices.
MSRP – $75.00
MKRIDE-5146

Accel 4 Click
Features the FXLS8974CF, a 12-bit three-axis accelerometer from NXP.
MSRP – $6.00
MKRIDE-4780

Heart Rate 11 Click
Features the OB1203, a multi-channel light sensor and proximity sensor from Renesas.
MSRP – $12.00
MKRIDE-5170

Spectrometer 2 Click
Utilizes the VO6283TX, a color sensor with advanced light flicker extraction from ST.
MSRP – $17.00
MKRIDE-5287

Hall Current 15 Click
Features the TMCS1101-Q1, a isolated Hall-effect current sensor from TI.
MSRP – $21.00
MKRIDE-5175

LightRanger 10 Click
Based on the VL53L4CX, a ToF optical distance sensor from ST.
MSRP – $19.00
MKRIDE-5206

Compass 7 Click
Features the MMC5633NJL, a monolithic complete 3-axis AMR magnetic sensor from MEMSIC.
MSRP – $12.00
MKRIDE-5280

Smart Sens 2 Click
Utilizes several environmental sensors [BHI260AP, BME688, BMP390, BMM150] from Bosch.
MSRP – $49.00
MKRIDE-5207

ECG 7 Click
Features the MCP6N16, an instrumentation amplifier with selectable gain from Microchip.
MSRP – $25.00
MKRIDE-5214
**Magnetic Rotary Click**
Features the AS5147U, an high-resolution rotary position sensor with full 360° range ams AG.
MSRP – $26\textsuperscript{2}\textsuperscript{26}
MKRDE-5203

**Angle 7 Click**
Carries the AS5600, a Hall-based rotary magnetic position sensor from ams AG.
MSRP – $15\textsuperscript{2}\textsuperscript{26}
MKRDE-5216

**LightRanger 9 Click**
Carries the AS5600, a Hall-based rotary magnetic position sensor from ams AG.
MSRP – $26\textsuperscript{2}\textsuperscript{26}
MKRDE-5203

**Temp&Hum 21 Click**
Features the HIH8130-021, a digital humidity and temperature sensor from Honeywell.
MSRP – $27\textsuperscript{2}\textsuperscript{26}
MKRDE-5214

**LDC Touch Click**
Based on LDC3114-Q1, a four-channel inductance-to-digital converter from TI.
MSRP – $19\textsuperscript{2}\textsuperscript{26}
MKRDE-5203

**Pressure 21 Click**
Features the BMP581, an absolute barometric pressure sensor from Bosch.
MSRP – $14\textsuperscript{2}\textsuperscript{26}
MKRDE-5274

**AMR Angle 2 Click**
Equipped with the ADA4570, an integrated AMR angle sensor from Analog Devices.
MSRP – $27\textsuperscript{2}\textsuperscript{26}
MKRDE-5277

**Magnetic Rotary 4 Click**
Based on the AS5047D, high-resolution magnetic rotary position sensor from ams AG.
MSRP – $21\textsuperscript{2}\textsuperscript{26}
MKRDE-5223

**Hall Current 14 Click**
Carries the MCS1801, a Hall-effect-based isolated linear current sensor from MPS.
MSRP – $27\textsuperscript{2}\textsuperscript{26}
MKRDE-5239

**Ambient 19 Click**
Features the APM-16D24-310, a ambient light and proximity sensor from Everlight.
MSRP – $14\textsuperscript{2}\textsuperscript{26}
MKRDE-5245

**Pressure 21 Click**
Features the BMP581, an absolute barometric pressure sensor from Bosch.
MSRP – $14\textsuperscript{2}\textsuperscript{26}
MKRDE-5274

**Features the APM-16D24-310, a ambient light and proximity sensor from Everlight.**

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<table>
<thead>
<tr>
<th>Click / Board</th>
<th>Features</th>
<th>MSRP</th>
<th>Manufacturer/MODEL Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Cell 7 Click</td>
<td>Features the ADS1230, a 20-bit delta-sigma analog-to-digital converter from TI.</td>
<td>$25</td>
<td>MIKROE-5276</td>
</tr>
<tr>
<td>Angle 6 Click</td>
<td>Based on the MAQ4706QE, a 12-bit contactless angle sensor from MEMSIC.</td>
<td>$17</td>
<td>MIKROE-5262</td>
</tr>
<tr>
<td>Pressure 18 Click</td>
<td>Equipped with the BMP384, a robust barometric pressure sensor from Bosch.</td>
<td>$17</td>
<td>MIKROE-5266</td>
</tr>
<tr>
<td>Temp&amp;Hum 22 Click</td>
<td>Features the SHT41A, a relative humidity and temperature sensor from Sensirion.</td>
<td>$17</td>
<td>MIKROE-5310</td>
</tr>
<tr>
<td>Proximity 16 Click</td>
<td>Based on the MAQ470GQE, a 12-bit contactless angle sensor from MPS.</td>
<td>$29</td>
<td>MIKROE-5298</td>
</tr>
<tr>
<td>Current 9 Click</td>
<td>Uses the CT41S-HSN-830DR, XtremeSense® TMR current sensor from Crocus.</td>
<td>$29</td>
<td>MIKROE-5319</td>
</tr>
<tr>
<td>Accel 24 Click</td>
<td>Features the MXC6655XA, a 12-bit three-axis accelerometer from MEMSIC.</td>
<td>$9</td>
<td>MIKROE-5236</td>
</tr>
<tr>
<td>Proximity 18 Click</td>
<td>Carries the VCNL3036X01, a high-resolution proximity sensor from Vishay.</td>
<td>$15</td>
<td>MIKROE-5300</td>
</tr>
<tr>
<td>Temp&amp;Hum 23 Click</td>
<td>Features the SHT45, a relative humidity and temperature sensor from Sensirion.</td>
<td>$17</td>
<td>MIKROE-5301</td>
</tr>
<tr>
<td>Thermo 25 Click</td>
<td>Based on the TMP127-Q1, a high-precision digital temperature sensor from TI.</td>
<td>$9</td>
<td>MIKROE-5335</td>
</tr>
</tbody>
</table>
**Thermo 26 Click**
Features the STS31-DIS, a high-accuracy digital temperature sensor from Sensirion.
MSRP – $9
MKRIDE-5384

**Angle 10 Click**
Based on the AS5070A, an angular position sensor with an analog output from ams AG.
MSRP – $23
MKRIDE-5387

**Color 16 Click**
Carries the AS7343, a 14-channel multi-purpose spectral sensor from ams AG.
MSRP – $33
MKRIDE-5421

**Air Velocity Click**
Features the FS3000-1005, a air velocity MEMS sensor from Renesas.
MSRP – $12
MKRIDE-5448

**Ambient 20 Click**
Features the BU27030NUC, a 16-bit digital-output ambient light sensor from Rohm.
MSRP – $11
MKRIDE-5469

**Gyro 8 Click**
Based on Murata’s SCR2100-008, a high-performance single-axis angular rate sensor.
MSRP – $139
MKRIDE-5471

**Thermo 28 Click**
Carries the ams AG’s AS6221, a high-accuracy digital temperature sensor.
MSRP – $11
MKRIDE-5466

**Thermo 27 Click**
Features the TMP114, a high-accuracy digital temperature sensor from Texas Instruments.
MSRP – $12
MKRIDE-5509

**Air Motion Click**
With TDK InvenSense’s ICM-40627, a 6-axis MEMS MotionTracking™ device.
MSRP – $18
MKRIDE-5524

**Ambient 21 Click**
Features ams AG’s TSL2591, a very-high sensitivity light-to-digital converter.
MSRP – $12
MKRIDE-5529
**Color 4 Click**
Features the VEML6040, a 16-bit RGBW color sensor from Vishay.

MSRP – $29<br>MIKROE-2220

**Environment 4 Click**
Based on the SHT741A-AD1B I2C and the SGP41, an MOx-based gas sensor, from Sensirion.

MSRP – $55<br>MIKROE-5526

**Accel 21 Click**
Equipped with the MIS20H, a high-performance three-axis accelerometer from STMicro.

MSRP – $17<br>MIKROE-5530

**Accel 30 Click**
Features the MCX635, an integrated digital output 3-axis accelerometer from MEMSIC.

MSRP – $47<br>MIKROE-5581

**Accel 25 Click**
Uses the CT415-HSN-830DR, XtremeSense® TMR current sensor from Crocus.

MSRP – $9<br>MIKROE-5602

**6DOF IMU 18 Click**
Features the ICM-42605, a high-performance 6-axis MotionTracking™ IMU from TDK.

MSRP – $18<br>MIKROE-5592

**Thermo 29 Click**
Carries the TMP126, a SPI-configurable digital temperature sensor from TI.

MSRP – $15<br>MIKROE-5586

**Accel 27 Click**
Features the ADXL373, a three-axis MEMS ±400g accelerometer from Analog Devices.

MSRP – $43<br>MIKROE-5589

**Magnetic Rotary 6 Click**
Features the AS5247U, a low-bias current Op Amp from Microchip.

MSRP – $24<br>MIKROE-5598
**Ambient 22 Click**  
Features the OPT3005, a single-chip lux meter from Texas Instruments.  
MSRP – $15\textsuperscript{10}$  
Mikroe-5647

**Accel 29 Click**  
Based on the ADXL314, a three-axis ±200g accelerometer from Analog Devices.  
MSRP – $27\textsuperscript{10}$  
Mikroe-5672

**Temp&Hum 24 Click**  
Carries the HDC3021, humidity and temperature sensor from Texas Instruments.  
MSRP – $12\textsuperscript{10}$  
Mikroe-5651

**6DOF IMU 20 Click**  
Features the BMI323, a high-performance, low-power IMU from Bosch.  
MSRP – $24\textsuperscript{10}$  
Mikroe-5606

**Barometer 10 Click**  
With the LPS28DFW, an ultra-compact piezoresistive absolute pressure sensor from STM.

**Temp-Log 7 Click**  
Features the TMP1826, a 1-Wire\textsuperscript{®} compatible digital output temperature sensor from TI.  
MSRP – $69\textsuperscript{10}$  
Mikroe-5598

**Magnetic Rotary 5 Click**  
Based on the AS5134, a contactless magnetic rotary encoder from ams.  
MSRP – $25\textsuperscript{10}$  
Mikroe-5690
INTERFACE
The MAX3237E, a 3V to 5.5V multichannel RS232, 1 Mbit/s line driver/receiver from Texas Instruments.

**RS232 2 Click**
The MAX3237E converts RS232 to RS485, with a 1 Mbit/s data rate.

**MSRP – $15**

**MKSDE-2857**

---

Converting I2C to 1-wire, the DS28E17 One-Wire-to-I2C master bridge from Maxim Integrated.

**1-Wire I2C Click**

**MSRP – $22**

**MKSDE-2750**

---

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

**4-20 mA R Click**

**MSRP – $31**

**MKSDE-1297**

---

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

**ATA6563 Click**

**MSRP – $20**

**MKSDE-2339**

---

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

**ATA663211 Click**

**MSRP – $19**

**MKSDE-2335**

---

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

**CAN Isolator Click**

**MSRP – $39**

**MKSDE-2627**

---

**CAN SPI Click 3.3V**

**MSRP – $21**

**MKSDE-988**

---

**CAN SPI Click 5V**

**MSRP – $21**

**MKSDE-988**

---

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

**DALI Click**

**MSRP – $25**

**MKSDE-1297**
**ETH Click**
With ENC28J60, a 28-pin, 10BASE-T stand-alone Ethernet controller with an on-board MAC & PHY.

MSRP – $24.00
MIKROE-971

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

MSRP – $19.00
MIKROE-1718

**EXPAND Click**
Expands the number of input-output lines with Microchip’s 16-bit I/O expander MCP23S17.

MSRP – $12.00
MIKROE-951

**Expand 2 Click**
Expands the number of input-output lines with Microchip’s 16-bit I/O expander MCP23017.

MSRP – $12.00
MIKROE-1838

**Expand 3 Click**
With DS2408, an 8-channel programmable I/O expander from Maxim Integrated.

MSRP – $19.00
MIKROE-1879

**EXPAND 4 Click**
Port expander for high power peripherals with TPC1G6A595 power logic 8-bit register.

MSRP – $14.00
MIKROE-1910

**BroadR-Reach Click**
For realizing network in harsh environments that require reliable Ethernet-based open network.

MSRP – $69.00
MIKROE-2796

**USB UART 4 Click**
USB to asynchronous serial data transfer interface. With FT232RL USB-to-UART interface module.

MSRP – $22.00
MIKROE-2812

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

MSRP – $15.00
MIKROE-1512

**USB I2C Click**
With MCP2221 USB-to-UART/I2C converter. Full-speed USB (12 Mb/s), I2C up to 400 kHz clock rates.

MSRP – $13.00
MIKROE-1885
**USB SPI Click**

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

*MSRP – $13*

**USB UART 2 Click**

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

*MSRP – $39*

**USB UART Click**

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

*MSRP – $22*

**ATA663254 Click**

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

*MSRP – $16*

**OBDII Click**

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

*MSRP – $9*

**4D - display Click**

Offers a mikroBUS™ interface for controlling 4D Systems gen4 Series intelligent Display Modules.

*MSRP – $9*

**Fiber Opt Click**

Adds fiber-optic communication with IF-991 fiber-optic photodiode, IF-97 fiber-optic LED diode.

*MSRP – $34*

**FTDI Click**

With FT2232H - dual high speed USB 2.0 to UART/I2C/SPI serial interface converter.

*MSRP – $28*

**I2C 1-Wire Click**

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

*MSRP – $28*

**I2C Isolator Click**

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

*MSRP – $18*
**I2C Isolator 2 Click**  
Provides I2C lines and power isolation for slave devices with ADM3260 dual I2C isolator.  
**MSRP – $20**  
**Mikroe-2609**

**MCP2517FD Click**  
With MCP2517FD CAN FD controller and ATA6563 high-speed CAN transceiver.  
**MSRP – $25**  
**Mikroe-2379**

**RS485 Click 3.3V**  
Carries SN-65HVD12 half-duplex, RS-485 transceiver from Texas Instruments.  
**MSRP – $18**  
**Mikroe-989**

**RS485 Click 5V**  
Carries the ADM485 differential line transceiver from Analog Devices.  
**MSRP – $18**  
**Mikroe-925**

**RS485 2 Click**  
Carries MAX3471 half-duplex transceiver for lithium battery-powered RS-485/RS-422 applications.  
**MSRP – $18**  
**Mikroe-2700**

**RS485 3 Click**  
The Click is intended to be used as UART to RS422/RS485 communication interface.  
**MSRP – $20**  
**Mikroe-2821**

**SPI Isolator Click**  
Carries ADuM4154 5kV digital isolator optimized for a serial peripheral interface (SPI).  
**MSRP – $29**  
**Mikroe-2583**

**PWM Click**  
For controlling 16 PWM outputs through a single I2C interface. With PCA9685PW IC.  
**MSRP – $19**  
**Mikroe-1879**

**PWM 2 Click**  
With the LT8500, a 48-Channel LED PWM generator with 12-Bit res. and 50MHz serial interface.  
**MSRP – $27**  
**Mikroe-3148**

**PS/2 Click**  
Adds keyboard and mouse connectivity. With a standard 6-pin Mini-DIN PS/2 connector.  
**MSRP – $9**  
**Mikroe-1578**

**RS485 2 Click**  
The Click is intended to be used as UART to RS422/RS485 communication interface.  
**MSRP – $20**  
**Mikroe-2821**

**RS485 Click 5V**  
Carries ADM485 differential line transceiver from Analog Devices.  
**MSRP – $18**  
**Mikroe-925**

**RS485 Click 3.3V**  
Carries SN-65HVD12 half-duplex, RS-485 transceiver from Texas Instruments.  
**MSRP – $18**  
**Mikroe-989**
MCP2542 Click
Microchip’s CAN FD Transceiver with Wake-Up Pattern. Compliant with CAN 2.0 and CAN FD.
MSRP – $20
MIKROE-2299

RS485 Isolator Click
With ADM2682EBRIZ, a 5 kV RMS signal and power isolated RS-485 transceiver.
MSRP – $49
MIKROE-2673

MCP25625 Click
With CAN controller with an integrated transceiver. High speed operation up to 1 Mb/s.
MSRP – $24
MIKROE-2228

MCP2003B Click
It’s a physical interface to automotive and industrial LIN systems with a bi-directional LIN transceiver.
MSRP – $19
MIKROE-2227

RS232 Isolator Click
Isolated dual transceiver Click - secure and easy UART to RS232 conversion, with galvanic isolation.
MSRP – $22
MIKROE-2405

RS485 Isolator Click
With ADM2682EBRIZ, a 5 kV RMS signal and power isolated RS-485 transceiver.
MSRP – $49
MIKROE-2673

MCP2003B Click
It’s a physical interface to automotive and industrial LIN systems with a bi-directional LIN transceiver.
MSRP – $19
MIKROE-2227

LLC-l2C Click
Used as the level converter for logic signals. It is perfectly suited for the bi-directional I2C communication.
MSRP – $6
MIKROE-3276

LLC-SPI Click
Used as the level converter for logic signals. It is perfectly suited for SPI communication.
MSRP – $9
MIKROE-3298

UART 1-Wire Click
Designed to convert standard UART or RS232 signals into 1-Wire™ signals.
MSRP – $20
MIKROE-3340

RS232 Isolator Click
Isolated dual transceiver Click - secure and easy UART to RS232 conversion, with galvanic isolation.
MSRP – $56
MIKROE-2864

Skywire™ Click
Adapter Click, which hosts NimbeLink/Skywire™ cellular modems [using stacking headers].
MSRP – $19
MIKROE-2405

Adapter Click
Simplifies connection of the add-on boards with IDC10 headers to mikroBUS™ socket.
MSRP – $6
MIKROE-2432
Riverdi Click
An adapter for connecting Riverdi TFT displays to a mikroBUS™ socket.
MSRP – $9
MIXROE-2100

RiBUS Click
An adapter for connecting any Riverdi TFT displays to a mikroBUS™ socket over the RiBUS connector.
MSRP – $9
MIXROE-3612

MCP2518D Click
The ATCA663, a high-speed CAN transceiver and the MCP2518FD, CAN FD controller both ICs by Microchip.
MSRP – $25
MIXROE-3063

RS485 4 Click
The ADM2795E, a dual channel RS485 driver/receiver, with the ICoupler® isolation technology, by Analog Devices.
MSRP – $39
MIXROE-3395

UART I2C/SPI Click
RS485 4 Click
The ADC1293, a dual channel RS485 driver/receiver, with the ICoupler® isolation technology, by Analog Devices.
MSRP – $24
MIXROE-2900

Shuttle Click
The mikroBUS™ socket expansion board, which allows stacking up to four Click boards™.
MSRP – $8
MIXROE-2880

iButton™ Click
Comes with Maxim’s DS1990A, a serial number iButton™ device with a unique 64-bit serial number.
MSRP – $25
MIXROE-3065

USB UART 3 Click
The CP2102N, a highly integrated USB to UART interface, from Silicon Labs.
MSRP – $15
MIXROE-3063

DALI 2 Click
It is used for interfacing with the DALI network, and as a compliant with the DALI-2 physical layer requirements.
MSRP – $25
MIXROE-2672

ATA6570 Click
Uses the ATCA6570, a standalone high speed CAN transceiver IC from Microchip.
MSRP – $23
MIXROE-2900
Dual LIN Click
It’s a dual transceiver for LIN with the TLE-7268SKXUMA1 from Infineon.
MSRP – $12²⁰
MIKROE-3870

eINK Click – WD
Click board adapter for connection of the e-paper displays to the MCU over SPI interface.
MSRP – $7²⁰
MIKROE-3683

I2C to SPI Click
It’s based around two SC18IS602B, an I2C-bus to SPI bridge from NXP.
MSRP – $12²⁰
MIKROE-3702

LIN Click
It’s the TLE7259-3GE, LIN transceiver with integrated wake-up and protection features.
MSRP – $12²⁰
MIKROE-3812

M-Bus Master Click
It’s the TLE7259-3GE, LIN transceiver with integrated wake-up and protection features.
MSRP – $15²⁰
MIKROE-3800

Terminal Click
The stackable mikroBUS™ extension board that can be used for testing or com. surveillance.
MSRP – $7²⁰
MIKROE-3705

Matrix RGB Click
Powered by a 32-bit FT900 MCU designed specifically for powering 16x32 RGB LED matrices.
MSRP – $24²⁰
MIKROE-2239

UART MUX Click
It’s the SN74LV4052A, a Dual 4-Channel Multiplexer and Demultiplexer.
MSRP – $7²⁰
MIKROE-3878

RS232 SPI Click
It’s a SPI to RS232 interface converter with two ICs - MAX3100 and MAX3232.
MSRP – $29²⁰
MIKROE-3912

FT click
Features FT 6050 Free Topology Smart Transceiver from Dialog Semiconductor.
MSRP – $39²⁰
MIKROE-3929
Xplained Pro boards have one or more dual row, 20-pin, 100mil female extension header.

**MCP2518FD Click**
Features MCP2518FD, CAN FD controller and ATA6563 CAN transceiver.
MSRP – $45
MIKROE-3993

**I2C MUX Click**
The TCA9546A, a quad bidirectional translating switch controlled via the I2C bus.
MSRP – $7
MIKROE-4092

**CAN FD Click**
Features TLE9252V high speed CAN network transceiver from Infineon.
MSRP – $21
MIKROE-3923

**I2C MUX 2 Click**
Uses the TCA9545A, a 4-channel, bidirectional translating I2C switch.
MSRP – $7
MIKROE-4014

**RS485 Isolator 2 Click**
With the ADM2867E a 5.7 kV rms signal and power isolated full duplex RS-485 transceiver.
MSRP – $35
MIKROE-3893

**RS485 6 Click**
With the THVD1329DT a half-duplex RS-485 communication with integrated surge protection.
MSRP – $16
MIKROE-3989

**I2C MUX Click**
The TCA9546A, a quad bidirectional translating switch controlled via the I2C bus.
MSRP – $7
MIKROE-4092

**CAN FD 3 Click**
Features TLE9251V, a High-Speed CAN transceiver from Infineon.
MSRP – $15
MIKROE-3989

**Analog MUX Click**
With the CD74HC4067, a high-speed CMOS logic 16-channel analog multiplexer/demultiplexer.
MSRP – $7
MIKROE-4123

**CAN FD 4 Click**
Features the NC-V7344010R26, a Controller Area Network [CAN] transceiver.
MSRP – $14
MIKROE-4107

**XPRO-Adapter click**
Xplained Pro boards have one or more dual row, 20-pin, 100mil female extension header.
MSRP – $12
MIKROE-4123
Based on the LTC4306, a 4-channel, 2-wire bus multiplexer with PIC18F26K42 MCU. MSRP – $7

MIKROE-4240 I2C MUX 4 Click

Based on the NCV7356D1R2G, a Single Wire CAN transceiver. MSRP – $9

MIKROE-4137 M-Bus Slave Click

Uses the TCA6424A IC, low-voltage 24-bit I2C, and SMBus I/O expander. MSRP – $12

MIKROE-4186 EXPAND 5 Click

Uses the MASWS0115 IC, a GaAs PHEMT MMIC single-pole, double-throw (SPDT) switch. MSRP – $20

MIKROE-4168 RF Switch Click

Equipped with the TSS721A, a single chip transceiver. MSRP – $15

MIKROE-4137 M-Bus Slave Click

Equipped with the MAX485, low-power, slew-rate-limited transceiver. MSRP – $16

MIKROE-4156 RS485 5 Click
### INTERFACE

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>MSRP</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN FD 5 Click</td>
<td>Based on the UJA1162A, a ‘self-supplied’ high-speed (HS) CAN transceiver.</td>
<td>$21.00</td>
<td>MKR00E-4283</td>
</tr>
<tr>
<td>EXPAND 6 Click</td>
<td>The CY8C9520A, 20-bit I/O expander with EEPROM, and 4 independently config. 8-bit PWM outputs.</td>
<td>$15.00</td>
<td>MKR00E-4265</td>
</tr>
<tr>
<td>I2C MUX 3 Click</td>
<td>The TCA9548APWR, a low voltage eight bidirectional translating switches with an active-low reset input.</td>
<td>$21.00</td>
<td>MKR00E-4265</td>
</tr>
<tr>
<td>EXPAND 7 Click</td>
<td>The CY8C9540A, 40-bit I/O expander with EEPROM, and 8 independently config. 8-bit PWM outputs.</td>
<td>$24.00</td>
<td>MKR00E-4243</td>
</tr>
<tr>
<td>8-pin I2C Click</td>
<td>A breakout board that simplifies the connection of MFI devices to the mikroBUS™ socket.</td>
<td>$7.00</td>
<td>MKR00E-4241</td>
</tr>
<tr>
<td>Fingerprint 3 Click</td>
<td>An adapter with socket for the capacitive fingerprint sensor module scanner.</td>
<td>$6.00</td>
<td>MKR00E-4265</td>
</tr>
<tr>
<td>ISO 9141 Click</td>
<td>The L9637, a monolithic bus driver designed for serial comm. in automotive diagnostic applications.</td>
<td>$7.00</td>
<td>MKR00E-4332</td>
</tr>
<tr>
<td>CXPI Click</td>
<td>The BD41000AFJ-C, a transceiver for the Clock Extension Peripheral Interface (CXPI) communication.</td>
<td>$12.00</td>
<td>MKR00E-4336</td>
</tr>
<tr>
<td>I2C Extend 2 Click</td>
<td>The PCA9615, a Fast-Mode Plus (FM+) I2C bus buffer from NXP.</td>
<td>$17.00</td>
<td>MKR00E-4V19</td>
</tr>
<tr>
<td>ATA6571 Click</td>
<td>A standalone high-speed CAN FD transceiver up to 5 Mbit/s from Microchip.</td>
<td>$23.00</td>
<td>MKR00E-4382</td>
</tr>
</tbody>
</table>
Features the MAX399, a precise CMOS analog multiplexer.

**RS232 Isolator 2 Click**
Uses the ICL3221, a 3.3V powered RS232 transmitter/receiver that provides ±15kV ESD protection.

**UART MUX 2 Click**
Features the MAX399, a precise CMOS analog multiplexer.

**EtherCAT Click**
2/3-Port EtherCAT™ Slave Controller with Integrated Ethernet PHYs.

**CAN FD 6 Click**
Features the TCA4550, CAN FD controller with integrated transceiver from Texas Instruments.

**I2C MUX 5 Click**
Based the LTC4306, a 4-channel, 2-wire bus multiplexer from Analog Devices.

**SPI Isolator 2 Click**
Features the ISO741, a quad-channel digital isolator from Texas Instruments.

**I2C Isolator 3 Click**
CPC5902 – a dual optically isolated bidirectional logic-bus repeater.

**Binho Nova Click**
Multi-protocol adapter, support for SPI I2C and UART interface, ideal for testing and validation.

**ETH 3 Click**
Uses the LAN9250, a fully-featured high-performance 10/100 Ethernet controller.

**I2C Isolator 3 Click**
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**ETH 3 Click**
Uses the LAN9250, a fully-featured high-performance 10/100 Ethernet controller.
**SPI Isolator 3 Click**
Carries the ADuM341E, a quad-channel 5kVRMS digital isolator from Analog Devices.

**CAN Bus Click**
Based on the MAX13054, CAN transceiver with ±80V fault protection from Analog Devices.

**I2C to CAN Click**
Features the LT3960, transceiver that extends I2C bus up to 400kbps from Analog Devices.

**Expand 10 Click**
Features the PCAL6524, a 24-bit general-purpose I/O expander from NXP Semiconductors.

**Expand 9 Click**
Carries the SX1509QB, the world’s lowest voltage level shifting GPIO expander from Semtech.

**Turbidity Click**
An adapter board with 1x3 pin 2.5mm connector suitable for connecting Turbidity sensors.

**EXPAND 12 Click**
Based on the MAX7300, a general-purpose I/O expander from Analog Devices.

**EXPAND 13 Click**
Carries the PI4I0-E5V96248, a 48-bit general-purpose I/O expander from Diodes.

**Terminal 2 Click**
Adapter Click board™ which can be used as a mikroBUS™ socket expansion board.

**TFmini Click**
Adapter board with 4pin 1.25mm connector suitable for connecting the TFmini LiDAR module.
<table>
<thead>
<tr>
<th>Product</th>
<th>MSRP</th>
<th>Features</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I2C MUX 5 Click</strong></td>
<td>$12<a href="#">^1</a></td>
<td>Features the PI4MSD5V9547, an octal bidirectional multiplexer from TI.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>I2C MUX 6 Click</strong></td>
<td>$12<a href="#">^1</a></td>
<td>Equipped with the CAT9555, a CMOS device from ON Semiconductor.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>RS232 to I2C Click</strong></td>
<td>$15<a href="#">^1</a></td>
<td>Carries the MAX22345, digital galvanic isolator from Analog Devices.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>SPI Isolator 6 Click</strong></td>
<td>$15<a href="#">^1</a></td>
<td>Based on the SP3221E, a low-power RS232 transceiver from MaxLinear.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>RS232 3 Click</strong></td>
<td>$12<a href="#">^1</a></td>
<td>Features the FT201X, a full-speed USB to I2C protocol slave IC from FTDI.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>USB to I2C 2 Click</strong></td>
<td>$15<a href="#">^1</a></td>
<td>Equipped with the CAT9555, a CMOS device from ON Semiconductor.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>Analog MUX 5 Click</strong></td>
<td>$12<a href="#">^1</a></td>
<td>Carries the MCP251863, a CAN FD controller and transceiver in one package from Microchip.</td>
<td>Texas Instruments</td>
</tr>
<tr>
<td><strong>Analog MUX 4 Click</strong></td>
<td>$11<a href="#">^1</a></td>
<td>Based on the TMUX1308, a CMOS MUX from Texas Instruments.</td>
<td>Texas Instruments</td>
</tr>
</tbody>
</table>

[^1]: MSRP (Manufacturer's Suggested Retail Price)
I2C Isolator 4 Click
Features the MAX14937, I2C digital isolator from Analog Devices.
MSRP – $12
MKRDE-4872

Smart Card 2 Click
Features Microchip’s SEC1210, a low-power single-chip Smart Card controller.
MSRP – $21
MKRDE-5482

Shutter Click
Carries the VO617A, a high-reliability phototransistor from Vishay.
MSRP – $13
MKRDE-5493

UART to I2C Click
With the SC18IM704, a bridge between the UART host interface and a serial I2C bus from NXP.
MSRP – $18
MKRDE-5508

USB to I2C Click
Based on FT260, an interface device controller with USB 2.0 HID from FTDI.
MSRP – $19
MKRDE-5512

MSRP – $12

MIKROE-4869
SPI Isolator 4 Click
Features the ADuM341E, a quad-channel 5kVRMS digital isolator from Analog Devices.
MSRP – $12
MKRDE-4889

Expand 11 Click
Carries the TCA9536, a general-purpose remote I/O expansion from TI.
MSRP – $15
MKRDE-5532

4-20mA T 2 Click
Features DAC161S997, a low-power 16-bit ΣΔ digital-to-analog converter (DAC) from TI.
MSRP – $25
MKRDE-5540

USB UART 5 Click
Based on the CP2110, USB-to-UART bridge controller from Silicon Labs.
MSRP – $18
MKRDE-5574

1-Wire Switch Click
Features the DS2413, a dual-channel programmable I/O 1-Wire switch from Analog Devices.
MSRP – $13
MKRDE-5589
Two-Wire ETH Click
Features the LAN8651, a single-port Ethernet Controller with SPI from Microchip.
MSRP – $42
MIKROE-5543

I2C Isolator 6 Click
Features the ADUM2250, a two-channel, 5kVRMS I2C digital isolator from Analog Devices.
MSRP – $29
MIKROE-5502

RS485 Isolator 3 Click
With the ADM2763E, a 5.7kV RMS, signal-isolated RS-485 transceiver from Analog Devices.
MSRP – $27
MIKROE-5577

Expand 15 Click
Carries the TCAL6416, a general-purpose I/O expansion from TI.
MSRP – $15
MIKROE-5879

RS485 7 Click
Based on the THVD1424, a full duplex RS485 transceiver with a selectable data rate from TI.
MSRP – $19
MIKROE-5639

I2C Isolator 5 Click
Features ISO1644, a hot-swappable bidirectional I2C isolator from TI.
MSRP – $21
MIKROE-5725

N-PLC Click
Based on the ultimate N-PLC transceiver, the SM2400, from Semitech.
MSRP – $11
MIKROE-5877
DISPLAY & LED
DISPLAY & LED

OLED B Click
With a 96 x 39px blue monochrome passive matrix OLED display and SSD1306 controller.
MSRP – $24.00
MIKROE-1650

OLED C Click
With PSP2701 OLED display and SSD1351 OLED driver with controller. Various color support.
MSRP – $37.00
MIKROE-2585

OLED W Click
Carries a 96x39px white monochrome passive matrix OLED display.
MSRP – $24.00
MIKROE-1649

LCD mini Click
Displays 2x16 mono-chrome characters on an LMB162XFW LCD display.
MSRP – $35.00
MIKROE-2453

OSD Click
With MAX7456 single-channel monochrome OSD module with integrated EEPROM memory.
MSRP – $19.00
MIKROE-1366

OLED W Click
Carries a 96x39px white monochrome passive matrix OLED display.
MSRP – $24.00
MIKROE-1649

Light Temp Click
The AL1782, a dual-channel PWM dimmable linear LED driver by Diodes Incorporated.
MSRP – $17.00
MIKROE-3399

16x9 G Click
With a green 16x9 LED matrix and IS31FL3731 audio modulated matrix LED driver.
MSRP – $24.00
MIKROE-2520

BarGraph 3 Click
Uses a single 74HC595 IC, a tri-state, serial-in, parallel-out, 8-bit shift-register with output latch.
MSRP – $19.00
MIKROE-3264

4X4 RGB Click
With a matrix of 16 WS2812 RGB LEDs a MCP1826 low dropout regulator.
MSRP – $43.00
MIKROE-2734

7-SEG RGB Click
Carries a full color single 7 segment digit display. 16,581,375 color combinations.
MSRP – $43.00
MIKROE-2734
7seg Click
2-digit seven-segment display. With two 74HC595 8-bit serial-in, parallel-out shift registers.
MSRP – $10<sup>00</sup>
Mikroe-1285

7x10 B Click
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-2705

7x10 G Click
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
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-2705

7x10 Y Click
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-2705

16x12 G Click
Carries a 16x12 LED display and the IS-31FL3733 matrix driver with 1/12 cycle rate.
MSRP – $30<sup>00</sup>
Mikroe-2758

8x8 B Click
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
It features MAX7219 8-digit LED display driver module as well as 64 green LEDs.
MSRP – $21<sup>00</sup>
Mikroe-1306

8x8 R Click
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
It features MAX7219 8-digit LED display driver module as well as 64 yellow LEDs.
MSRP – $15<sup>00</sup>
Mikroe-1294
**Display & LED**

**BarGraph Click**
With 10-segment JSB-R102510Z light bar display and two 74HC595 8-bit shift registers.
*MSRP – $12**
*MIDROE-2429*

**BIG 7-SEG R Click**
With SC10-21SR-WA seven-segment display and parallel-OUT shift register 74HC595.
*MSRP – $19**
*MIDROE-2630*

**eINK Click**
With an adapter for connecting eINK displays, with a 24pin ribbon cable.
*MSRP – $59**
*MIDROE-2659*

**EVE Click**
Brings visually stunning graphics even to 8-bit MCUs, with FT8000 graphics controller.
*MSRP – $39**
*MIDROE-1729*

**Matrix G Click**
Matrix text display with two green 5x7 matrices and two MAX7219 8-bit LED display drivers.
*MSRP – $29**
*MIDROE-2248*

**LED Flash Click**
Functions as a high power LED flash, and carries the CAT3224 flash LED driver.
*MSRP – $45**
*MIDROE-2479*

**LED Flash 2 Click**
It is a powerful flash/torch Click, featuring the MIC2870 from Microchip.
*MSRP – $19**
*MIDROE-2830*

**Led ring R Click**
With a ring of 32 red LEDs driven by four 74HC595 serial-in, parallel-out shift registers.
*MSRP – $25**
*MIDROE-2193*

**AlphaNum R Click**
With a dual character red LED 14-segment display and two TLC5926 16-bit shift registers.
*MSRP – $15**
*MIDROE-1864*

**AlphaNum G Click**
With a dual character green LED 14-segment display and two TLC5926 16-bit shift registers.
*MSRP – $15**
*MIDROE-2851*
**4Dot-Matrix R Click**
Matrix text display with two red 5x7 matrices and two MAX7219 8-bit LED display drivers.
MSRP – $34<sup>00</sup>

**Matrix R Click**
Matrix text display with two red 5x7 matrices and two MAX7219 8-bit LED display drivers.
MSRP – $34<sup>00</sup>

**UT-L 7-SEG R Click**
Displays 4 char. of 5x7 dot size. With SL02016 module and MCP23017 I2C port expander.
MSRP – $35<sup>00</sup>

**UT-M 7-SEG R Click**
With two SMD ultra-thin LED 7-SEG displays and MAX6969 constant-current LED driver.
MSRP – $34<sup>00</sup>

**UT-S 7-SEG R Click**
Add a double 7 segment display to your next project. RED emitting color.
MSRP – $27<sup>00</sup>

**OLED Switch Click**
With NKK Switch IS-C15ANP4 that combines a switch and a full color organic LED display.
MSRP – $119<sup>00</sup>

**BarGraph 2 Click**
The 74HC595, 8-bit serial-in, parallel-out shift registers with output latches.
MSRP – $19<sup>00</sup>

**RGB Driver Click**
The NCP5623B, a triple output RGB LED driver, controlled via the I2C interface, from ON Semiconductors.
MSRP – $15<sup>00</sup>

**LED Driver 5 Click**
The TPS54200, a synchronous buck converter designed to drive monochrome, color, and IR LED arrays by TI.
MSRP – $15<sup>00</sup>

**LED Driver 6 Click**
The AL1781, a single-channel PWM dimmable linear LED driver by Diodes Incorporated.
MSRP – $15<sup>00</sup>
Based on a four-digit dot matrix display module, labeled as HCMS-3906.

**MSRP – $7200**

**MIKROE-4169**

Dot Matrix R Click

With ultraviolet LEDs with 275nm wavelength for measuring exact dose of UV radiation.

**MSRP – $3900**

**MIKROE-4277**

**LED Driver Click**

Carries MCP1662 high-voltage step-up voltage driver from Microchip.

**MSRP – $1500**

**MIKROE-2876**

**LED Driver 2 Click**

Carries the MCP1643 - LED constant current regulator, made by Microchip.

**MSRP – $1500**

**MIKROE-2807**

**LED Driver 3 Click**

The NCP5623B, a triple output RGB LED driver, controlled through the I2C protocol.

**MSRP – $1500**

**MIKROE-2950**

**LED Driver 4 Click**

The TPS61160A, a white LED driver with PWM brightness control.

**MSRP – $1500**

**MIKROE-3077**

**10x10 RGB Click**

A matrix of 100 "intelligent" RGB elements – WS2812 an intelligent control LED light source.

**MSRP – $4200**

**MIKROE-4215**

**UVC Light Click**

With ultraviolet LEDs with 275nm wavelength for measuring exact dose of UV radiation.

**MSRP – $3900**

**MIKROE-4277**

**Dot Matrix R Click**

Based on a four-digit dot matrix display module, labeled as HCMS-3906.

**MSRP – $7200**

**MIKROE-4277**

**DISPLAY & LED**
The PCA9957, a daisy-chain SPI compatible 4-wire serial bus controlled 24-channel LED driver.

MSRP – $12.00
MIKROE-4293

LED Driver 8 Click

Based on the TLC59116, LED driver optimized for RGBA color mixing and backlight from Texas Instruments.

MSRP – $15.00
MIKROE-4295

LED Driver 10 Click

The TLC59283, LED driver with pre-charge FET from Texas Instruments.

MSRP – $16.00
MIKROE-4787

8800 Retro Click

Carries the AS1115, compact LED driver for 8x8 display screen from ASM-AG.

MSRP – $23.00
MIKROE-4771

LED Driver 11 Click

Carries the TLC59283, LED driver with pre-charge FET from Texas Instruments.

MSRP – $35.00
MIKROE-4727

BarGraph 4 Click

Based on the TLC59263, 16-channel constant-current sink LED driver from Texas Instruments.

MSRP – $33.00
MIKROE-4780

LED Driver 13 Click

Carries the AB06D04-1, a 4-channel LED driver from Allegro Microsystems.

MSRP – $25.00
MIKROE-4850

LED Driver 12 Click

Carries the PCA9532, a 4-channel LED driver from NXP Semiconductors.

MSRP – $18.00
MIKROE-4977

LED Driver 14 Click

Features the BD18337EFV-M four-channel LED driver from Rohm Semiconductor.

MSRP – $28.00
MIKROE-4996

LED Driver 16 Click

Features the PCA9745B, an SPI-configurable sixteen-channel constant current LED driver from NXP.

MSRP – $18.00
MIKROE-5534
LED Driver 15 Click
With the MP3309C, a synchronous boost white LED driver from Monolithic Power Systems.
MSRP – $15.00
MKRIDE-5583

LED Driver 18 Click
Features the TLC5947, a 24-channel LED driver from Texas Instruments.
MSRP – $26.00
MKRIDE-5580

LED Ring 2 Click
Carries the three I2C-configurable LED matrix drivers, the LP5862 from TI.
MSRP – $45.00
MKRIDE-5534

LED Driver 17 Click
Based on the LTR3755, a highly efficient DC/DC controller from Analog Devices.
MSRP – $35.00
MKRIDE-5565

LED Driver 19 Click
Based on the LED1202, a 12-channel low quiescent current LED driver from STM.
MSRP – $15.00
MKRIDE-5529
HUMAN MACHINE INTERFACE
Cap Extend 3 Click
With four capacitive sensor pads that can sense touch through a variety of different materials.
MSRP – $16
MNXDE-3474

Cap Touch Click
A capacitive touch sensing button, integrated on a Click board™.
MSRP – $16
MNXDE-2984

SwipeSwitch Click
The IQS266, a trackpad controller circuit, featuring ProxSense® and IQ Switch® technologies, from Azoteq.
MSRP – $15
MNXDE-3202

CAP Wheel 2 Click
The IQS263B, ProxSense® IC, a 3-channel projected capacitive proximity and TC from Azoteq.
MSRP – $15
MNXDE-3677

CAP Wheel Click
The IQS333, ProxSense® IC, a 9-channel projected capacitive proximity and TC from Azoteq.
MSRP – $15
MNXDE-3203

Cap Touch 2 Click
A capacitive touch sensing button, which features the CAP1166.
MSRP – $15
MNXDE-2984

TouchKey 2 Click
With 4 capacitive pads powered by Microchip’s ATtiny817. Integrated touch QTouch® controller.
MSRP – $16
MNXDE-2474

TouchKey 3 Click
Equipped with advanced capacitive sensors, based on the proprietary QTTouch® technology.
MSRP – $19
MNXDE-2495

SAML Touch Click
The ATSAML10, an ultra-low power 32-bit ARM® Cortex® MicroController Unit (MCU) from Microchip.
MSRP – $15
MNXDE-3414

TouchKey 4 Click
A capacitive touch sensing button, with the advanced touch/proximity sensor IC.
MSRP – $15
MNXDE-2985
Tamper Click
Equipped with SDS001, a low profile side-actuated detect switch.
MSRP – $9

Button PLAY Click
It is equipped with the CTHS15CIC05ARROW, a capacitive touch sensor display.
MSRP – $21

Knob G Click
Combination of high-quality quadrature rotary encoder, and a LED ring of 24 individual green LEDs.
MSRP – $17

Slider Click
Features a mechanical slide action potentiometer.
MSRP – $31

Tamper 2 Click
Levered D2HW-A221D switch. Outputs signal in both positions - pressed and released.
MSRP – $15

ROTARY Y Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 yellow LEDs.
MSRP – $12

ROTARY B Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 blue LEDs.
MSRP – $12

ROTARY G Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 green LEDs.
MSRP – $12

ROTARY O Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 orange LEDs.
MSRP – $12

ROTARY R Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 red LEDs.
MSRP – $12
### HUMAN MACHINE INTERFACE

#### Joystick Click
A smart navigation key concept based on contactless, magnetic movement detection.
- MSRP – $22[^2]
- MKROE-1508

#### Keylock Click
Carries a processed sealed key lock mechanism that can be set in 3 different positions.
- MSRP – $43[^3]
- MKROE-2004

#### CapSense Click
Capacitive sensing module. Input - human body capacitance, output - the real time sensor information.
- MSRP – $16[^4]
- MKROE-2494

#### COUNTER Click
Counter Click carries an LS7366R 32-bit quadrature counter.
- MSRP – $25[^5]
- MKROE-2917

#### IR gesture Click
Enables contactless gesture recognition. With ambient light and proximity sensing capabilities.
- MSRP – $16[^6]
- MKROE-2088

#### 2x2 Key Click
The Click has a 4 button keypad. It allows multiple key presses and has a debounce circuit.
- MSRP – $9[^7]
- MKROE-2132

#### 4x4 Key Click
Carries a 16 button keypad. Allows for multiple key presses at the same time.
- MSRP – $11[^8]
- MKROE-1889

#### Button G Click
A single pushbutton - transparent, 6.8mm in diameter, with a green LED backlight.
- MSRP – $9[^9]
- MKROE-2040

#### Button R Click
A single pushbutton - transparent, 6.8mm in diameter, with a red LED backlight.
- MSRP – $9[^9]
- MKROE-2002

#### Cap Extend Click
With SX8633, capacitive button touch controller. 12 pins for connecting capacitive inputs.
- MSRP – $18[^10]
- MKROE-2238
The IQS621, a multi-functional sensor with the ambient light (ALS) from Azoteq.

MIKROE-3205
MSRP – $9.00

Designed with the high-quality, single-pole, single-throw (SPST) tactile switch labeled as 3006.2111.

MIKROE-3262
MSRP – $9.90
**Button ALARM Click**
With the CTHS15CIC05ALARM, a capacitive touch sensor display.
MSRP – $21.00
Mikroe-2763

**Button Power Click**
With the CTHS15CIC05ONOFF, a capacitive touch sensor display.
MSRP – $19.00
Mikroe-3760

**Cap Touch 5 Click**
Features the CY-BCMBR3106S-LQXI CapSense® Express™ controller.
MSRP – $15.00
Mikroe-3786

**Joystick 2 Click**
With a SKRHABE01, a 4-direction joystick switch with Center-push Function.
MSRP – $15.00
Mikroe-3771

**Power/Reset Click**
It’s the QT1011, digital burst mode charge-transfer sensor – detects near proximity or touch.
MSRP – $13.00
Mikroe-3774

**Vibro Motor 2 Click**
With the ERM motor. Uses the DMG3420U MOSFET to drive it.
MSRP – $12.00
Mikroe-3713

**HAPTIC Click**
With DRV2605 Haptic Driver for ERM and LRA vibration motors. Over 100 haptic effects library.
MSRP – $23.00
Mikroe-2025

**Vibro Motor Click**
Features a compact size Eccentric Rotating Mass [ERM] motor, labeled as C1026B003F.
MSRP – $12.00
Mikroe-2826

**Fingerprint Click**
It carries the GTS-511E2 module, the thinnest optical touch fingerprint sensor in the world.
MSRP – $55.00
Mikroe-1722

**Slider 2 Click**
Utilizes the PTA3043, a linear, high-grade, 10K potentiometer.
MSRP – $20.00
Mikroe-3301
The LC898302AXA, a motor driver dedicated to LRA and ERM applications.

MIKROE-4452

HAPTIC 2 Click
Features the MTCH6301, a turnkey capacitive touch controller from Microchip.
MSRP – $11
MIKROE-3225

MIKROE-4825

Vibro Motor 4 Click
Based on the VG1040003D, a coin-sized linear resonant actuator (LRA) from Vybronics.
MSRP – $21
MIKROE-4825

HUMAN MACHINE INTERFACE

MSRP – $210
MIKROE-4852

The MCP1541, a precision voltage reference IC from Microchip is used to provide the voltage of 4.096V.

POT 2 Click

The MCP1501, a precision voltage reference IC from Microchip.

MSRP – $12
MIKROE-4289

POT 3 Click

The A-172-MRQ, a 2D capacitive fingerprint sensor capable of storing up to 24 different fingerprints.

MSRP – $553
MIKROE-4219

Fingerprint 2 Click

Features the IQS2692A, an 8-channel ProxFusion® capacitive touch and proximity controller.

MSRP – $12
MIKROE-4469

ProxFusion 3 Click

Features the IQS83220, a coin-sized linear resonant actuator (LRA).

MSRP – $924
MIKROE-4356

Vibro Motor 3 Click

Features the IQS2111A, a tiny capacitive touch controller from Azoteq.

MSRP – $69
MIKROE-4594

Touchpad 2 Click

This board features the IQS7211A, a tiny capacitive touch controller from Azoteq.

MSRP – $61
MIKROE-4754

Touchpad 4 Click

Features the IQS525, a projected capacitive touch and proximity trackpad controller from Azoteq.

MSRP – $12
MIKROE-4469

TouchPad 3 Click

Features the MTCH6301, a turnkey capacitive touch controller from Microchip.

MSRP – $11
MIKROE-4289

TouchPad 2 Click

The MCP1501, a precision voltage reference IC from Microchip.

MSRP – $32
MIKROE-3692

POT 3 Click

The MCP1541, a precision voltage reference IC from Microchip is used to provide the voltage of 4.096V.

MSRP – $12
MIKROE-4289

POT 2 Click

The LC898302AXA, a motor driver dedicated to LRA and ERM applications.

MIKROE-4825

Vibro Motor 4 Click
Based on the VG1040003D, a coin-sized linear resonant actuator (LRA) from Vybronics.
MSRP – $21
MIKROE-4825

HAPTIC 2 Click
Features the MTCH6301, a turnkey capacitive touch controller from Microchip.
MSRP – $11
MIKROE-3225

MIKROE-4825

Vibro Motor 4 Click
Based on the VG1040003D, a coin-sized linear resonant actuator (LRA) from Vybronics.
MSRP – $21
MIKROE-4825

HAPTIC 2 Click
Features the MTCH6301, a turnkey capacitive touch controller from Microchip.
MSRP – $11
MIKROE-3225

MIKROE-4825

Vibro Motor 4 Click
Based on the VG1040003D, a coin-sized linear resonant actuator (LRA) from Vybronics.
MSRP – $21
MIKROE-4825
### CapSense 2 Click
Carries the CAP1114, a multi-channel capacitive touch sensor from Microchip.

**MSRP — $18**

Mikroe-4382

### Haptic 3 Click
Features the DA7282, LRA and ERM haptic driver from Dialog Semiconductor.

**MSRP — $15**

Mikroe-3287

### Touchpad 5 Click
Based on the IQS550, a projected capacitive touch and proximity trackpad controller from Azoteq.

**MSRP — $11**

Mikroe-5269

### Joystick 3 Click
Features 2765, a high-quality mini 2-axis analog output thumbstick 10k potentiometer from Adafruit Industries.

**MSRP — $15**

Mikroe-5278

### POT 5 Click
Carries the PDB081-P10-103B1, 8mm micro rotary 10k potentiometer from Bourns.

**MSRP — $18**

Mikroe-5298

### POT 4 Click
Features the PRS11R-425F-S10381, a 11mm rotary 10k potentiometer from Bourns.

**MSRP — $19**

Mikroe-5454

### Cap Touch 6 Click
Carries the IQS2270, a capacitive controller with an internal voltage regular from Azoteq.

**MSRP — $15**

Mikroe-5517

### CapSense 2 Click
Carries the IQS227D, a capacitive controller with an internal voltage regular from Azoteq.

**MSRP — $15**

Mikroe-5517
STORAGE
Flash 3 Click
With ISSI's IS25LP128 IC with 128 Mbit capacity. 50MHz at Normal, 133MHz at Fast Read speeds.
MSRP – $12
MCRRE-2374

Flash 4 Click
Carries the S25FL512S, a 512 Mbit SPI Flash memory module.
MSRP – $34
MCRRE-3191

Excelon-LP Click
Equipped with the CY-15B108Q, a serial ferroelectric [FRAM] module with 8 Mbit density.
MSRP – $33
MCRRE-3104

MAC Address Click
A unique node address. Carries 24AA025E64 2Kb Serial EEPROM with EUI-64™ node identity.
MSRP – $9
MCRRE-2733

microSD Click
With a microSD card slot for microSD cards used as a mass storage media for portable devices.
MSRP – $16
MCRRE-2728

FRAM 2 Click
With CY15B104Q 4-Mbit [512K x 8] serial F-RAM from Cypress. 100 trillion (10^14) read/writes.
MSRP – $19
MCRRE-2768

EEPROM Click
With 24C08WP - a highly reliable, high performance CMOS technology serial 8K EEPROM.
MSRP – $8
MCRRE-1200

EEPROM 2 Click
With M95MO2-DR DIP-8 socket EEPROM chip with 256 KB of memory from STMicroelectronics.
MSRP – $18
MCRRE-1909

EEPROM 3 Click
With AT24CM02 DIP-8 socket EEPROM chip with 256 KB of memory from Microchip.
MSRP – $14
MCRRE-1988

EERAM 3.3V Click
With 47L16 EERAM, a 16Kbit SRAM with EE-PROM Backup from Microchip.
MSRP – $14
MCRRE-2728
EERAM 5V Click
With 47C16 EERAM, a 16kbit SRAM with EEPROM Backup from Microchip.
MSRP – $14
MIKROE-2729

Flash Click
With EN25Q80B – 8Mb serial Flash memory module. Clock frequency up to 75MHz.
MSRP – $12
MIKROE-1199

Flash 2 Click
It carries Microchip’s SST26VF064B flash-memory module with 64 Mbits capacity.
MSRP – $12
MIKROE-2267

MRAM Click
Uses the MR25H256, a 256 kilobits serial SPI MRAM memory module from Everspin company.
MSRP – $18
MIKROE-2914

Dual EE Click
Contains 2 EEPROM ICs onboard – the AT24C02, an I2C serial EEPROM.
MSRP – $18
MIKROE-2752

EERAM 5V click
Flash click
Flash 2 click
MRAM click
Dual EE click

Flash 5 Click
Based on the W25N01GV2EIG/IT (1G-bit) Serial SLC NAND Flash Memory.
MSRP – $9
MIKROE-3780

FRAM 3 Click
Uses the MB94R330, which is an FRAM (Ferroelectric Random Access Memory).
MSRP – $9
MIKROE-3827

Semper Flash Click
Memory module based on the S25HS512T a 512 Mbit SPI Flash memory module, from Cypress.
MSRP – $25
MIKROE-3823

SRAM Click
Provides 1 Mbit of additional SRAM memory, via Microchip’s 23LC1024.
MSRP – $15
MIKROE-1302

SQI FLASH Click
Based on the SST-26VF064B, a 64 Mbit Serial Quad I/O flash device from Microchip.
MSRP – $13
MIKROE-2968
The DS28EC20, a 20480-bit EEPROM organized as 80 memory pages of 256 bits each.

MSRP – $9

MIKROE-4296

EEPROM 6 Click

The W25Q128JV array is organized into 65,536 programmable pages of 256-bytes each.

MSRP – $7

MIKROE-4067

Flash 6 Click

The S25HL512T, a 512 Mbit SPI/QSPI Flash memory module, from Cypress.

MSRP – $25

MIKROE-4028

Semper Flash 2 Click

Based on ANV32AA1WDK66, a 1Mb serial SRAM with a non-volatile SONOS storage element.

MSRP – $27

MIKROE-4178

EERAM 2 Click

A static RAM (SRAM) memory Click board™ with hidden EEPROM backup.

MSRP – $20

MIKROE-4129

EERAM 4 Click

An EEPROM memory medium with the capacity of 256KB.

MSRP – $15

MIKROE-2536

EEPROM 4 Click

ReRAM Click

Resistive Random Access Memory module which contains the cell array with 4 Mbits of data.

MSRP – $18

MIKROE-3642

MRAM 2 Click

Features the MR10Q010, 1Mb Quad Output High-Speed Serial SPI MRAM memory.

MSRP – $25

MIKROE-1486

SRAM 2 Click

Based on ANV32A62A SRAM memory from Anvo-Systems Dresden.

MSRP – $15

MIKROE-4232

SRAM 3 Click

The ANV32AA1WDK66, a 1Mb serial SRAM with a non-volatile SONOS storage element.

MSRP – $27

MIKROE-4293

EEPPROM 6 Click

The DS26EC20, a 20480-bit EEPROM organized as 80 memory pages of 256 bits each.

MSRP – $6

MIKROE-4298

EEPPROM 6 Click
**Flash 7 Click**

With the GD25LQ16C, a high-performance 16Mbit SPI NOR Flash Memory solution.

MSRP – $7

**MIKROE-4521**

The AT21CS01, a single-wire serial EEPROM with a factory-programmed 64-bit serial number.

**MIKROE-4831**

Equipped with the CY14B512Q, a 512Kbit nonvolatile SRAM from Infineon.

**MIKROE-4422**

Features the CY14B101Q, a 1Mbit nvSRAM organized as 128K words of 8 bits each.

**MIKROE-4835**

With the GD25LQ16C, a high-performance 16Mbit SPI NOR Flash Memory solution.

**MIKROE-4440**

MSRP – $9

**NSRAM 2 Click**

The CY14B101Q, a 1Mbit nvSRAM organized as 128K words of 8 bits each.

**MIKROE-4023**

MSRP – $29

**MIKROE-4423**

Features the CY14B101J, a 1-Mbit nvSRAM organized as 128K words of 8 bits each.

**MIKROE-4482**

Features the CY14B101I, a 1-Mbit nvSRAM organized as 128K words of 8 bits each.

**MIKROE-4497**

MSRP – $33

**nvSRAM 3 Click**

The CY14B101PA, a 1-Mbit nvSRAM with a fully-featured real-time clock.

**MIKROE-4927**

MSRP – $35

**MIKROE-4441**

**nvSRAM 4 Click**

The CY14B101PA, a 1-Mbit nvSRAM with a fully-featured real-time clock.

**MIKROE-4922**

**EEPROM 7 Click**

The 25CSM04, a 4-Mbit SPI Serial EEPROM with a 128-bit serial number and write protection mode.

MSRP – $12

**MIKROE-4421**

**EEPROM 5 Click**

Features the M95M04, the 4Mbit electrically erasable programmable memory.

MSRP – $9

**MIKROE-4427**

**SWI EEPROM Click**

The AT21CS01, a single-wire serial EEPROM with a factory-programmed 64-bit serial number.

MSRP – $7

**MIKROE-4523**

**SRAM 4 Click**

Equipped with the CY14B512Q, a 512Kbit nonvolatile SRAM from Infineon.

MSRP – $29

**MIKROE-4835**

**FRAM 6 Click**

Features the CY15B102Q, a 2Mbit nonvolatile memory from Infineon.

MSRP – $51
Based on the 48L256, a serial EERAM with SRAM memory core, from Microchip.  
**MSRP – $9**

MIKROE-4854

*EERAM 3 Click*

Features the MB85AS8MT, an 8Mbit of ReRAM nonvolatile memory chip from Fujitsu.  
**MSRP – $2**

MIKROE-4835

*ReRAM 2 Click*

Based on the W25Q02JV, a serial Flash memory solution from Winbond.  
**MSRP – $6**

MIKROE-4987

*Flash 9 Click*

Carries the FM24V10, a 1Mbit nonvolatile memory from Infineon.  
**MSRP – $3**

MIKROE-5129

*FRAM 5 Click*

Features the MB85AS8MT, an 8Mbit of ReRAM nonvolatile memory chip from Fujitsu.  
**MSRP – $9**

MIKROE-4854

*EERAM 3 Click*

Based on the CY15B116QSN, 16-Mbit nonvolatile memory from Infineon.  
**MSRP – $6**

MIKROE-4987

*Flash 9 Click*

Carries the AT25FF321A, 32Mbit serial Flash memory from Dialog.  
**MSRP – $6**

MIKROE-5289

*Flash 10 Click*

Carries the GD5F2GQ5UEYIGR, a 2Gb high-density nonvolatile memory from GigaDevice.  
**MSRP – $17**

MIKROE-5293

*Flash 8 Click*

Features the CAV24C512, a 64Mb PSRAM memory from AP Memory.  
**MSRP – $9**

MIKROE-5337

*DRAM Click*

Features the MB85AS8MT, an 8Mbit of ReRAM nonvolatile memory chip from Fujitsu.  
**MSRP – $9**

MIKROE-4854

*EERAM 3 Click*

Based on the CY15B116QSN, 16-Mbit nonvolatile memory from Infineon.  
**MSRP – $6**

MIKROE-4987

*Flash 9 Click*

Carries the AT25FF321A, 32Mbit serial Flash memory from Dialog.  
**MSRP – $6**

MIKROE-5289

*Flash 10 Click*

Carries the GD5F2GQ5UEYIGR, a 2Gb high-density nonvolatile memory from GigaDevice.  
**MSRP – $17**

MIKROE-5293

*Flash 8 Click*

Features the CAV24C512, a 64Mb PSRAM memory from AP Memory.  
**MSRP – $9**

MIKROE-5337

*DRAM Click*
EEPROM 9 Click

features the M95P32-I, the 32Mbit electrically erasable programmable memory from Microchip.

MSRP – $12
MIKROE-5681
MISCELLANEOUS
Secure Click

With ATECC508A cryptographic coprocessor with secure hardware-based key storage.  
MSRP – $9
MVKOE-2522

Secure 2 Click

Microchip’s ATAES132A, a cryptographic coprocessor with secure hardware-based key storage.  
MSRP – $9
MVKOE-2760

Secure 3 Click

Microchip’s ATSHA204A, a cryptographic coprocessor with secure hardware-based key storage.  
MSRP – $9
MVKOE-2761

Secure 4 Click

Includes the ATECC608A, a secure CryptoAuthentication™ device from Microchip.  
MSRP – $9
MVKOE-2829

Secure 5 Click

The ATECC508A integrates ECDH (Elliptic Curve Diffie Hellman) security protocol.  
MSRP – $13
MVKOE-3774

Secure 6 Click

The ATSHA204A implements a complete asymmetric key cryptographic signature solution.  
MSRP – $7
MVKOE-3699

Secure 7 Click

The ATECC608A integrates ECDH (Elliptic Curve Diffie Hellman) security protocol.  
MSRP – $7
MVKOE-3915

RELAY Click

With two G601A-SI-5DC power PCB relay modules. Controls up to 5A, 250V AC/30V DC loads.  
MSRP – $18
MVKOE-1370

Relay 2 Click

Carries two LCA717 single-pole, OptoMOS® solid state relays.  
MSRP – $26
MVKOE-1899

PROTO Click

10x11 prototyping area and additional power pads for creating custom electronics or Click boards™.  
MSRP – $4
MVKOE-1607
MISCELLANEOUS

**FLICKER Click**
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>
Mikitronics: 2281

**Signal Relay Click**
It carries four ultra-small GV5-1 PCB relays from Omron. For ON/OFF control.
MSRP – $29<sup>00</sup>
Mikitronics: 2159

**UNIQUE ID Click**
With DS2401 enhanced silicon serial number IC. Provides a unique registration number.
MSRP – $9<sup>00</sup>
Mikitronics: 1819

**TESTER Click**
An ideal solution for testing and diagnostics of the mikroBUS™ socket pin states.
MSRP – $6<sup>00</sup>
Mikitronics: 2083

**Opto 2 Click**
Uses four TLP2770, 20-Mbps low-power optocouplers, from Toshiba.
MSRP – $25<sup>00</sup>
Mikitronics: 2023

**Opto 3 Click**
Two pairs of normally opened, high-quality solid-state relays labeled as TLP241A.
MSRP – $21<sup>00</sup>
Mikitronics: 3313

**Secure SOIC Click**
It’s an universal socket that supports any Microchip security SOIC IC device.
MSRP – $48<sup>00</sup>
Mikitronics: 2788

**Secure UDFN Click**
The 08QN50L43020 is an universal socket that supports basically any 8-pin UDFN device.
MSRP – $79<sup>00</sup>
Mikitronics: 3748

**Relay 3 Click**
It features two SRD-05VDC-SL-C small-size relays, from Songle Relays.
MSRP – $18<sup>00</sup>
Mikitronics: 3387

**Opto 4 Click**
The LTV-817S, an optocoupler with a high isolation voltage, by LiteOn.
MSRP – $16<sup>00</sup>
Mikitronics: 3377
### Plug&Trust Click
Equipped with the SE050C, ready-to-use IoT secure element IC from NXP.

- **MSRP:** $15
- **MISR0E-0556**

### Opto Click
It features two VO2630 dual channel, high speed optocoupler modules.

- **MSRP:** $21
- **MISR0E-1116**

### Opto 5 Click
Features the FOD4216, a random phase snubberless Triac driver.

- **MSRP:** $15
- **MISR0E-4076**

### RNG Click
The NC7S14MSX inverter, and the ADS1115 - 16BIT sigma-delta ADC.

- **MSRP:** $27
- **MISR0E-4030**

### Trust M Click
It’s based on SLS 32AIA010 OPTIGA™ Trust M1 high-end security controller.

- **MSRP:** $21
- **MISR0E-4276**

### SolidSwitch Click
Features the TPS22918, four single-channel load switches from Texas Instruments.

- **MSRP:** $35
- **MISR0E-4569**

### Secure 8 Click
Features the ATECC608B, a member of the Microchip CryptoAuthentication™ family.

- **MSRP:** $8
- **MISR0E-4050**

### Optimized Click
Based on the SE051C2, an updatable extension of the EdgeLock® SE050 from NXP.

- **MSRP:** $15
- **MISR0E-5392**

### MIKROE-5391
MIIKROE-5392

### MIKROE-4656
MSRP – $15

### MIKROE-5079
MSRP – $8

### MIKROE-5154
MSRP – $21

### MIKROE-4236
MSRP – $27

### MIKROE-4090
MSRP – $15

### MIKROE-4476
MSRP – $15

### MIKROE-1196
MSRP – $21

### MIKROE-1089
It’s based on SLS 32AIA010 OPTIGA™ Trust M1 high-end security controller.

- **MSRP:** $21
- **MISR0E-4276**

### MIKROE-4569
Features the TPS22918, four single-channel load switches from Texas Instruments.

- **MSRP:** $35
- **MISR0E-4569**

### MIKROE-1196
Based on the SE051C2, an updatable extension of the EdgeLock® SE050 from NXP.

- **MSRP:** $15
- **MISR0E-5392**

### MIKROE-5392
Carries the EdgeLock® A5000, a Secure Authenticator from NXP.

- **MSRP:** $35
- **MISR0E-4569**
Relay 4 Click
Features the J1031C-3VDC, SPDT signal relay from CIT Relay and Switch.

MSRP – $15.00
MIKROE-5539
MOTOR CONTROL
**Brushless 6 Click**

Designed to drive a three-phase sensorless, brushless motor. With AT-mega8A from Microchip.

MSRP – $27.90

Mikroe-2907

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**Fan 3 Click**

Perfect solution for speed control. It can operate in seven discrete speed steps.

MSRP – $17.90

Mikroe-2901

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**DC Motor 8 Click**

The MIC4605, 85V half-bridge MOSFET driver with adaptive dead time and shoot-through protection.

MSRP – $18.00

Mikroe-2903

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**Stepper 7 Click**

MTS62C19A Dual Full-Bridge Motor Driver, MCP23S08 8bit I/O Expander with Serial Interface.

MSRP – $17.90

Mikroe-2912

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**Brushless 4 Click**

The MCP8063, a 3 phase brushless sinusoidal sensorless motor driver, from Microchip.

MSRP – $19.00

Mikroe-3019

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**H-Bridge 2 Click**

Uses the MC34933, a dual H-bridge driver, from NXP.

MSRP – $18.00

Mikroe-3031

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**H-Bridge 5 Click**

Uses the A4941, a three-phase sensorless fan driver IC, made by Allegro MicroSystems LLC.

MSRP – $19.00

Mikroe-3020

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**Stepper 5 Click**

Uses the TM2208, a highly integrated bipolar step motor power driver, with the UART interface.

MSRP – $17.90

Mikroe-2624

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**Driver Click**

The DRV777, an integrated motor and relay driver from Texas Instruments.

MSRP – $13.90

Mikroe-3109
**Servo Click**
A 16-channel PWM servo driver with the voltage sensing circuitry.
MSRP – $33
Mikroe-2133

**FAN 4 Click**
A two-wire fan driver. Utilizes the LTC1695, an I2C fan speed controller.
MSRP – $15
Mikroe-3202

**DC MOTOR 7 Click**
Advanced PWM chopper-type integrated DC motor driver, labeled as TB67H4Q0AFTG.
MSRP – $19
Mikroe-3289

**DC MOTOR 9 Click**
The DR8871, a brushed DC motor driver, with internal current sensing, by Texas Instruments.
MSRP – $24
Mikroe-3416

**DC MOTOR 11 Click**
The DRV8830, a Low-Voltage Motor Driver With Serial Interface, by Texas Instruments.
MSRP – $15
Mikroe-3649

**Brushless Click**
Toshiba’s TB6575F-NG IC for driving 3-phase full-wave Brushless DC motors.
MSRP – $39
Mikroe-2441

**Brushless 2 Click**
It carries TI’s DRV10983 three-phase sensorless motor driver with integrated power MOSFETs.
MSRP – $26
Mikroe-2441

**Brushless 3 Click**
With TI’s DRV8833RT-YH-Bridge motor driver and TI’s 74HC4053 multiplexer.
MSRP – $18
Mikroe-2766

**DC MOTOR Click**
With Toshiba’s TB6593F-NG driver IC for direct current motors. Motors’ supply voltage 2.5V-13V.
MSRP – $17
Mikroe-2699
DC MOTOR 3 Click
With Toshiba’s TB-6549F6 full-bridge driver for direct current motors. Up to 3.5A with 30V.
MSRP – $19
MIKROE-2007

DC MOTOR 4 Click
With MAX14870 motor driver from Maxim Integrated. Motors’ voltage supply 4.5V-36V.
MSRP – $15
MIKROE-2035

DC MOTOR 5 Click
With TI’s DRV8701 brushed DC motor full-bridge gate driver. Operating voltage supply 5.9V-45V.
MSRP – $17
MIKROE-2699

Fan Click
With EMC2301 controller for powering and regulating the operation of 5V four-wire fans.
MSRP – $9
MIKROE-2708

Fan 2 Click
With MAX31760 precision fan-speed controller. Can control two fans at the same time.
MSRP – $12
MIKROE-2748

PWM driver Click
Silicon Labs’ SI8711CC one-channel isolator for controlling DC motors with loads up to 10A.
MSRP – $19
MIKROE-2272

STEPPER Click
With A3967SLBT microstepping motor driver with a built-in translator. Max. output drive 30V, ±500 mA.
MSRP – $18
MIKROE-2272

STEPPER 2 Click
With A4988 microstepping motor driver. Required external power supply minimum 7V.
MSRP – $19
MIKROE-2035

STEPPER 3 Click
With TI’s ULN2003 High-Current Darlington transistor array. For precise motor control.
MSRP – $19
MIKROE-2035

STEPPER 4 Click
With TB67S269FTG two-phase bipolar stepping motor driver from Toshiba.
MSRP – $19
MIKROE-2748
MOTOR CONTROL

Stepper 6 Click
The DRV8886, a highly integrated bipolar step motor driver with current sensing, from TI.
MSRP – $23
MIKROE-3214

DC MOTOR 10 Click
The TLE 6208-6 G, a Hex-Half-Bridge-Driver made for auto. and industrial motion control app.
MSRP – $23
MIKROE-3879

Fan 6 Click
The EMC2103 includes an RPM based Fan Speed Control Algorithm.
MSRP – $24
MIKROE-3867

Silent Step Click
The TMC5130 - the universal high voltage controller/driver for 2-phase bipolar stepper motor.
MSRP – $24
MIKROE-3774

Stepper 13 Click
The step motor driver IC is the MP6500, a dual full-bridge motor driver.
MSRP – $15
MIKROE-3738

STSPIN220 Click
The STSPIN220, a low voltage stepper motor driver by STMicroelectronics.
MSRP – $17
MIKROE-3545

STSPIN250 Click
The STSPIN250, a brushed DC motor driver with the current limiting and current sensing.
MSRP – $14
MIKROE-3569

STSPIN820 Click
The STSPIN820, an advanced stepper motor driver produced by STMicroelectronics.
MSRP – $17
MIKROE-3544

STSPIN233 Click
The step motor driver IC is the MP6500, a dual full-bridge motor driver.
MSRP – $17
MIKROE-3548

Driver Click
The TMC2660, a highly integrated bipolar step motor power driver, from the Trinamic company.
MSRP – $27
MIKROE-3676
**Features the DRV8847PWPR, a step motor driver with bipolar step motor control.**

**MSRP – $2100**

**MIKROE-4125 Stepper 14 Click**

Uses the TB67S128FTG, a two-phase bipolar stepper motor driver.

**MSRP – $3700**

**MIKROE-4138 Stepper 10 Click**

Uses the DRV8876N IC, N-channel H-bridge motor driver.

**MSRP – $4300**

**MIKROE-4143 H-Bridge 7 Click**

Based on TC78H-670FTG, a clock-in and serial controlled Bipolar Stepping Motor Driver.

**MSRP – $1500**

**MIKROE-4157 Stepper 8 Click**

Uses the TMC2660, a highly integrated bipolar step motor power driver.

**MSRP – $2700**

**MIKROE-4114 DC Motor 6 Click**

The TB67H451FNG, a PWM chopper-type brushed DC motor driver.

**MSRP – $1200**

**MIKROE-3982 DC Motor 14 Click**

Uses the TLE9201SG, an H-Bridge DC motor driver, with up to 28V and 6A, from Infineon.

**MSRP – $4200**

**MIKROE-3676 Silent Step 3 Click**

Contains the AP1010AEN, which is a two channel H-Bridge motor driver.

**MSRP – $1500**

**MIKROE-3613 H-Bridge 4 Click**

Contains the MP6515GF-Z, a H-bridge motor driver from MPS.

**MSRP – $1500**

**MIKROE-3787 H-Bridge 5 Click**

Contains the AP1010AEN, which is a two channel H-Bridge motor driver.

**MSRP – $1500**

**MIKROE-3854 Stepper 14 Click**

Based on TC78H-670FTG, a clock-in and serial controlled Bipolar Stepping Motor Driver.

**MSRP – $1500**

**MIKROE-4238 Stepper 14 Click**

Features the DRV8847PWPR, a step motor driver with bipolar step motor controller.

**MSRP – $2100**

**MIKROE-4225 H-Bridge 4 Click**

Contains the AP1010AEN, which is a two channel H-Bridge motor driver.

**MSRP – $1500**

**MIKROE-4113 H-Bridge 3 Click**

The TLE9201SG, an H-Bridge DC motor driver, with up to 28V and 6A, from Infineon.

**MSRP – $4200**
The TC78B027FTG, a 1-Hall sine-wave PWM controller for three-phase brushless DC motors. Has the DRV8889A, a current sense stepper driver with stall detection from Texas Instruments.

MIKROE-4387 Brushless 9 Click

The TC78B042FTG, a sine-wave PWM drive three-phase full-wave brushless motor controller.

MIKROE-4639 Stepper 15 Click

Features the VN-HD7008AY, an H-bridge motor driver for automotive DC motor.

MSRP – $29

MIKROE-4289 H-Bridge 6 Click

Features the IR2104S, a high voltage, high-speed power MOSFET and IGBT driver.

MIKROE-4352 Driver 2 Click

Features the DRV8874, an integrated motor driver with N-channel H-bridge.

MSRP – $15

MIKROE-4357 Brushless 12 Click

Features the L6235, DMOS fully integrated 3-phase motor driver.

MSRP – $29

MIKROE-4182 DC Motor 16 Click

The ZXBM5210 a high-performance single phase reversible DC motor drive with speed control.

MSRP – $9

MIKROE-4333 DC Motor 17 Click

Features the TC78H-660FTG, a dual H Bridge driver for one or two brushed motors.

MSRP – $12

MIKROE-4334 DC Motor 15 Click

Features the DRV8874, an integrated motor driver with N-channel H-bridge.

MSRP – $15

MIKROE-4323 DC Motor 14 Click

Features the IR2104S, a high voltage, high-speed power MOSFET and IGBT driver.

MSRP – $15

MIKROE-4308 Brushless 8 Click

The TC78B042FTG, a sine-wave PWM drive three-phase full-wave brushless motor controller.

MSRP – $29

MIKROE-4275 Brushless 8 Click

The ZXBM5210 a high-performance single phase reversible DC motor drive with speed control.

MSRP – $9

MIKROE-4333 DC Motor 16 Click

Based on TC78B-009FTG IC which is a three-phase BLDC motor controller.

MSRP – $25

MIKROE-4289 H-Bridge 6 Click

Features the VN-HD7008AY, an H-bridge motor driver for automotive DC motor.

MSRP – $29

MIKROE-4268 Brushless 7 Click

Based on TC78B-009FTG IC which is a three-phase BLDC motor controller.

MSRP – $25

MIKROE-4289 H-Bridge 6 Click

Features the VN-HD7008AY, an H-bridge motor driver for automotive DC motor.

MSRP – $29

MIKROE-4268 Brushless 7 Click

Based on TC78B-009FTG IC which is a three-phase BLDC motor controller.

MSRP – $25

MIKROE-4289 H-Bridge 6 Click

Features the VN-HD7008AY, an H-bridge motor driver for automotive DC motor.

MSRP – $29
### Stepper 18 Click
Features the DRV8426, a PWM microstepping stepper motor driver from Texas Instruments.

**MSRP – $24**

### H-Bridge Driver Click
Features the DRV8426, a PWM microstepping stepper motor driver from Texas Instruments.

**MSRP – $28**

### Stepper 16 Click
Has the NCV70517, a microstepping stepper motor driver from ON Semiconductor.

**MSRP – $21**

### Brushless 14 Click
Has the TB678001FTG, a three-phase PWM chopper driver for sensorless BLDC from Toshiba.

**MSRP – $32**

### Brushless 16 Click
Features the LB11685AV, a three-phase full-wave current-linear-drive motor driver from ON Semi.

**MSRP – $15**

### Stepper 11 Click
Features the TB9120AFTG, a bipolar stepping motor driver with a clock input interface from Toshiba.

**MSRP – $39**

### DC Motor 18 Click
Features the TB90517, a monolithic step-down current-source driver from MPS.

**MSRP – $15**

### H-Bridge 8 Click
Based on the MP6519, a monolithic step-down current-source driver from MPS.

**MSRP – $15**

### Stepper 17 Click
Has the TB67S539FTG, a PWM-chopper bipolar stepping motor driver from Toshiba.

**MSRP – $25**

### H-Bridge 9 Click
Has the L99U4L01, a PWM-configurable multiple H-bridge driver from STMicroelectronics.

**MSRP – $36**
Fan 8 Click
Based on the MAX6615, a compliant fan-speed controller from Analog Devices.
MSRP – $27
MKRDE-4927V

DC Motor 19 Click
Has the TC78H653FTG, a dual H-bridge driver for DC brushed or stepper motor from Toshiba.
MSRP – $12
MKRDE-4883

DC Motor 20 Click
Features the TC78H653FTG, a dual H-bridge driver for DC/stepping motors from Toshiba.
MSRP – $9
MKRDE-4889

DC Motor 21 Click
Based on the A3910, a dual half-bridge motor driver from Allegro Microsystems.
MSRP – $6
MKRDE-4877

Brushless 15 Click
Has the TB9061AFNG, a sensorless controller for a 3-phase full-wave BLDC motor from Toshiba.
MSRP – $32
MKRDE-4888

H-Bridge Driver 2 Click
Has the NCV7535, a monolithic SPI-controlled H-bridge gate driver from ON Semiconductor.
MSRP – $28
MKRDE-4931

Brushless 21 Click
Based on the AMT49400, a 3-phase BLDC controller with integrated MOSFETs from Allegro Microsystems.
MSRP – $15
MKRDE-5055

Brushless 22 Click
Has the MTD6508, a 3-phase sinusoidal sensorless BLDC fan motor driver from Microchip.
MSRP – $9
MKRDE-4996

H-Bridge 10 Click
Based on the MP6523, a triple half-bridge motor driver from MPS.
MSRP – $18
MKRDE-5108

Multi Stepper Click
Features the TB62261, a CLoCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP – $26
MKRDE-5040
**Multi Stepper Click**
Features the TB62262, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5017

**Multi Stepper Click**
Features the TB62269, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5029

**Multi Stepper Click**
Features the TB67S209, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5052

**Multi Stepper Click**
Features the TB67S261, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5042

**Multi Stepper Click**
Features the TB67S269, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5045

**Multi Stepper Click**
Features the TB67S101, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5043

**Multi Stepper Click**
Features the TB67S102, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5047

**Multi Stepper Click**
Features the TB67S109, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5049

**Multi Stepper Click**
Features the TB67S107, a CLOCK-in controlled bipolar stepping motor driver from Toshiba.
MSRP: $26
Mikroe-5048

**Brushless 23 Click**
Features the TC78B011FTG, a 3-phase PWM chopper predriver for sensorless BLDC motor from Toshiba.
MSRP: $26
Mikroe-5051

**Brushless 17 Click**
Features the L6229Q, a DMOS driver for a three-phase brushless DC motor from STMicroelectronics.
MSRP: $26
Mikroe-5000
DC Motor 22 Click
Uses the TMC7300, a low voltage driver optimized for DC motor control from Analog Devices.
MSRP – $24
MKRDE-5289

Brushless 20 Click
Features the DRV8313, a fully integrated three-phase BLDC motor driver from Texas Instruments.
MSRP – $19
MKRDE-5289

Stepper 12 Click
Has the TB6675/F4FTG, a PWM chopper 2-phase bipolar stepping motor driver from Toshiba.
MSRP – $23
MKRDE-5393

DC Motor 12 Click
Has the TB9054/F4FTG, PWM-type dual-channel brushed DC motor driver from Toshiba.
MSRP – $23
MKRDE-5374

Brushless 24 Click
Features the DRV10866, a 3-phase sensorless motor driver from Texas Instruments.
MSRP – $15
MKRDE-5278

Fan 5 Click
features Microchip’s TC654, a PWM mode fan speed controller with FanSense™ technology.
MSRP – $25
MKRDE-5507

DC Motor 24 Click
Carries the L9958, an SPI-controlled H-bridge from STMicroelectronics.
MSRP – $29
MKRDE-5537

H-Bridge 11 Click
With the MAX22200, an octal serial-controlled solenoid and motor driver from Analog Devices.
MSRP – $29
MKRDE-5636

DC Motor 25 Click
Has the A3908, a low-voltage bidirectional DC motor driver from Allegro Microsystems.
MSRP – $15
MKRDE-5523

DC Motor 26 Click
Features the TB9053FTG, a PWM-type, dual-channel, H-bridge, brushed DC motor driver from Toshiba.
MSRP – $35
MKRDE-5655
AUDIO & VOICE
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**SpeakUp Click**
A speech recognition Click. Can recognize over 200 different voice commands.
*MSRP – $39
MIKROE-1534*

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**SpeakUp 2 Click**
A speech recognition Click. Set it up to recognize up to 100 commands.
*MSRP – $34
MIKROE-2272*

---

**Audio Amp 4 Click**
With the LM4860, an audio amplifier IC capable of delivering up to 1W of continuous power to an 8Ω load.
*MSRP – $17
MIKROE-3271*

---

**AudioMUX Click**
Two-band digitally controlled high-quality audio processor with BASS ALC feat. and a 4-channel input selector.
*MSRP – $49
MIKROE-3344*

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**Audio Amp 5 Click**
The TPA3138D2, an inductorless stereo class-D audio amplifier, from Texas Instruments.
*MSRP – $17
MIKROE-3202*

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The TPA3138D2, an inductorless stereo class-D audio amplifier, from Texas Instruments.
*MSRP – $17
MIKROE-3202*
Audio Amp Click
A mono audio amplifier. With TI’s LM48100Q-Q1 Boomer™ Mono, 1.3W Audio Power Amplifier IC.
MSRP – $14
MKRG2-2388

BUZZ Click
Features a piezo speaker capable of emitting audio signals. Resonant frequency 3.8 kHz.
MSRP – $9
MKRG2-945

BUZZ 2 Click
With CMT-8540S-SMT magnetic buzzer transducer. The buzzer’s resonant frequency is 4 kHz.
MSRP – $12
MKRG2-2720

StereoAmp Click
With 2 TI’s LM48100Q-Q1 Boomer™ single supply, mono, bridge-tied load amplifier ICs.
MSRP – $24
MKRG2-2454

TextToSpeech Click
With S1V30120 speech synthesis IC powered by the Fonix DECTalk® v5 speech synthesis engine.
MSRP – $46
MKRG2-2923

GainAMP 2 Click
A 6-channel programmable gain amplifier. Amplifies up to 32x, in eight discrete steps.
MSRP – $15
MKRG2-2859

RadioStation Click
With the Si4713-B30, the best in class integrated FM broadcast stereo transmitter.
MSRP – $25
MKRG2-2802

Noise Click
With noise detecting circuitry. Enables you to set a noise detection threshold.
MSRP – $29
MKRG2-2371

FM Click
Features Si4703 IC and functions as a FM radio tuner. Supports worldwide FM band (76–108 MHz).
MSRP – $29
MKRG2-2101

GainAMP Click
Carries LTC®6912 channel, low noise, digitally programmable gain amplifier [PGA].
MSRP – $21
MKRG2-2531
Based on KT403A, a hardware audio MP3/WAV decoder and DSP, with on-board microSD card slot.

**MSRP – $17.00**

**MIKROE-4159**

**MP3 2 Click**

Features the SSM2167-1RMZ-R7, a Microphone Preamplifier.

**MSRP – $15.00**

**MIKROE-3901**

**Mic Click**

With SPQ0410HR5H-B surface mount silicon microphone with max. RF protection.

**MSRP – $9.00**

**MIKROE-2563**

**AM/FM Click**

Based on the Si4731 IC - digital CMOS AM/FM radio receiver from Silicon Labs.

**MSRP – $49.00**

**MIKROE-3800**

**Audio Amp 3 Click**

Based on the Si4731 IC - digital CMOS AM/FM radio receiver from Silicon Labs.

**MSRP – $45.00**

**MIKROE-4104**

**Audio Xover Click**

An analog active crossover solution for two-way loudspeakers with MCP6H012.

**MSRP – $18.00**

**MIKROE-4136**

**MIC 3 click**

Features the SSM2167-1RMZ-R7, a Microphone Preamplifier.

**MSRP – $15.00**

**MIKROE-4236**

**EVC Click**

The PT2258, a six-channel electronic volume controller IC, by Princeton Technology Corp.

**MSRP – $17.00**

**MIKROE-3358**

**Audio Amp 2 Click**

The TDA7491, a 20W dual BTL class-D audio amplifier IC, from STMicroelectronics.

**MSRP – $21.00**

**MIKROE-3077**

**Audio Amp 2 Click**

The TPA3128, 2x30-W class-D amplifier with low idle power dissipation, from TI.

**MSRP – $30.00**

**MIKROE-3010**

**2x30W Amp Click**

The TPA3128, 2x30-W class-D amplifier with low idle power dissipation, from TI.

**MSRP – $30.00**

**MIKROE-946**

**Audio 2x30W Amp Click**

With a stereo MP3 decoder VS1053. Multiple formats (MP3, MP1, MP2, MPEG4, etc.).

**MSRP – $92.00**

**MIKROE-3946**

**Microphone Preamp 2 Click**

The SSM2167-1RMZ-R7, a Microphone Preamplifier.

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**EVC Click**

The PT2258, a six-channel electronic volume controller IC, by Princeton Technology Corp.

**MSRP – $17.00**

**MIKROE-3358**
Features the HT9200A, a dual-tone multi-frequency decoder.

**MSRP – $24**

**MIKROE-4579**

---

**DTMF Decoder Click**

Features the MT8870D, a complete DTMF receiver integrating the band-split filter.

**MSRP – $24**

**MIKROE-4579**

---

**BUZZ 3 Click**

The PAM8904, a piezo-sounder driver with a Multi-Mode charge pump boost converter.

**MSRP – $9**

**MIKROE-4239**

---

**Volume Click**

Based on the CS3310, a complete stereo digital volume control.

**MSRP – $48**

**MIKROE-4450**

---

**DSP Click**

Based on the V1000, a complete multi-effects audio DSP from Coolaudio.

**MSRP – $53**

**MIKROE-4550**

---

**Volume 2 Click**

The NJU72341, a 2-channel I2C configurable electronic volume IC with external mute control.

**MSRP – $15**

**MIKROE-4550**

---

**DTMF Generator Click**

Features the MAX9717, a 1.4W mono BTL architecture audio power amplifier from Maxim Integrated.

**MSRP – $32**

**MIKROE-4239**

---

**Speaker Click**

Features the MAX9717, a 1.4W mono BTL architecture audio power amplifier from Maxim Integrated.

**MSRP – $31**

**MIKROE-4550**

---

**Headphone AMP Click**

Carries the LM4811, Boom® audio power amplifier with digital volume control from Texas Instruments.

**MSRP – $15**

**MIKROE-4450**

---

**GainAMP 3 Click**

Based on the ADA4254, a programmable gain instrumentation amplifier from Analog Devices.

**MSRP – $25**

**MIKROE-4800**

---

**VU Meter Click**

Features the HT9200A, a dual-tone multi-frequency decoder.

**MSRP – $26**

**MIKROE-4239**

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**MIKROE-4550**

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**Volume 2 Click**

The NJU72341, a 2-channel I2C configurable electronic volume IC with external mute control.

**MSRP – $15**

**MIKROE-4550**
Based on the IA611, an "Always-On" voice-wake acoustic processor from Knowles Electronics.

Features the PAM8124, a 10W efficient, Class-D audio power amplifier from Diodes.

Features the MA12070, a super-efficient audio power amplifier from Infineon Technologies.

Features the NAU8224, a high-performance stereo Class-D audio amplifier from Nuvoton.

Carries the VC-02, a low-cost pure offline speech recognition module from Ai-Thinker Technology.

Carries the PCM5142, a 32-bit 384kHz audio stereo DAC with the DIR9001 digital audio receiver from TI.

**Smart Mic Click**
Based on the IA611, an "Always-On" voice-wake acoustic processor from Knowles Electronics.

**AudioAmp 8 Click**
Features the MA12070, a super-efficient audio power amplifier from Infineon Technologies.

**SpeakUp 3 Click**
Carries the VC-02, a low-cost pure offline speech recognition module from Ai-Thinker Technology.

**AudioAmp 11 Click**
Features the NAU8224, a high-performance stereo Class-D audio amplifier from Nuvoton.

**Audio AMP 9 Click**
Features the PAM8124, a 10W efficient, Class-D audio power amplifier from Diodes.

**Audio DAC Click**
Carries the PCM5142, a 32-bit 384kHz audio stereo DAC with the DIR9001 digital audio receiver from TI.

**MSRP – $19.00**
MIKROE-4232

**MSRP – $17.00**
MIKROE-5240

**MSRP – $19.00**
MIKROE-5584

**MSRP – $19.00**
MIKROE-5585

**MSRP – $21.00**
MIKROE-4158

**MSRP – $49.00**
MIKROE-5597

**MSRP – $35.00**
MIKROE-5420

**MSRP – $49.00**
MIKROE-5587

**MSRP – $17.00**
MIKROE-4812

**MSRP – $19.00**
MIKROE-5584

**MSRP – $19.00**
MIKROE-4232

**MSRP – $49.00**
MIKROE-5597

**MSRP – $17.00**
MIKROE-5240
MIXED SIGNAL
PIXI™ Click
Features proprietary PIXI™ technology. Configurable 20-channel mixed-signal data converter.
MSRP – $29
MIXROE-2917

Multimeter Click
Has different ICs: amplifiers, NE555 timer, BCD decoder, frequency to voltage converter, and an A/D converter (ADC).
MSRP – $39
MIXROE-3116

LEM Click
Measures AC and DC current (up to 200 KHz). With LTS 6-NP current transducer.
MSRP – $59
MIXROE-2933

PAC1934 Click
Carries PAC1934 four channel DC power/energy monitor from Microchip.
MSRP – $29
MIXROE-2935

V to Hz Click
The TC9400, a voltage-to-frequency and frequency-to-voltage converter from Microchip.
MSRP – $27
MIXROE-2989

Hz to V Click
The TC9400, a voltage-to-frequency and frequency-to-voltage converter from Microchip.
MSRP – $27
MIXROE-2990

PAC1921 Click
The PAC1921, a high side power/current monitor from Microchip.
MSRP – $17
MIXROE-2910

DI GI POT 3 Click
The AD5321, a 1024-position (10bit) digital potentiometer with a non-volatile memory (EEMEM).
MSRP – $21
MIXROE-3016

ADC 6 Click
With the AD7124-8, an 8 channel, low noise, low power, 24bit sigma-delta ADC.
MSRP – $29
MIXROE-2932

ADC 7 Click
The LTC2500-32. It is a 32-bit oversampling ADC with a configurable digital filter, from Analog Devices.
MSRP – $99
MIXROE-3116
AC Current Click
Measure alternating currents up to 30A, MCP3201 ADC converter and MCP607 CMOS Op.Amp.
MSRP – $14

ADAC Click
It's an 8-channel 12-bit ADC, DAC and GPIO. With AD5593R configurable ADC/DAC.
MSRP – $14

ADC Click
With Microchip’s MCP3204 12-bit Analog-to-Digital converter.
MSRP – $26

Hz to V 2 Click
With the VFC32KU, a voltage-to-frequency and frequency-to-voltage converter.
MSRP – $42

V to Hz 2 Click
With the VFC32KU, a voltage-to-frequency and frequency-to-voltage converter.
MSRP – $42

Ammeter Click
With circuitry for measuring electric current (AC and DC). 0.1A-1A measurement range.
MSRP – $24

C Meter Click
Circuitry for measuring the value of capacitors. Based on NE-555 timer/square-wave generator.
MSRP – $9

Comparator Click
Carries LM2903 IC, has two independent precision voltage comparators. 2 mV offset voltage.
MSRP – $12

DAC Click
Includes a 12-bit Digital-to-Analog Converter MCP4921 form Microchip.
MSRP – $18

DAC 2 Click
Carries LTC2601CDD, a 16-bit digital-to-analog converter from Linear Technology.
MSRP – $19
DAC 3 Click
Carries Microchip’s MCP4726 IC, a 12-bit digital-to-analog converter.
MSRP – $18.00
MIKROE-2033

ADC 2 Click
With MCP35S1/3, a 22-bit ADC with automatic internal offset and gain calibration.
MSRP – $24.00
MIKROE-2032

ADC 3 Click
With Microchip’s MCP4281 16-bit multichannel analog-to-digital converter.
MSRP – $22.00
MIKROE-2874

ADC 4 Click
An advanced analog to digital multichannel converter. It can work in 16-bit or 24-bit mode.
MSRP – $65.00
MIKROE-2879

ADC 5 Click
With a low power, single channel 12-bit CMOS analog to digital converter.
MSRP – $18.00
MIKROE-2848

DigiPot Click
Carries MCP416 single-channel 8-bit resolution (256 wiper steps) digital potentiometer.
MSRP – $16.00
MIKROE-2033

DigiPot 2 Click
Carries a single-channel digital potentiometer TPL0501 with 256 wiper positions.
MSRP – $24.00
MIKROE-2032

DigiPot 4 Click
A digitally controlled dual potentiometer, with the resistance of 10KΩ.
MSRP – $21.00
MIKROE-2873

R Meter Click
With circuitry for measuring the value of resistors. A wide range of resistors (0–1 Mega Ohm).
MSRP – $27.00
MIKROE-2874

Voltmeter Click
For measuring voltage in an external electric circuit. Measures direct current [from 0 to 24V].
MSRP – $24.00
MIKROE-2848
Digi Pot 5 Click
A digitally controlled quad potentiometer, with the resistance of 10KΩ.
MSRP – $16
Mikroe-2863

Power Meter Click
Uses the MCP39F511A, a very sophisticated monitoring IC from Microchip, with 16-bit processing core.
MSRP – $42
Mikroe-3169

Power Meter 2 Click
Measuring and monitoring voltage up to 24V and current up to 5A. It carries the MCP3910 module.
MSRP – $19
Mikroe-3150

RMS to DC Click
With the LTC1968 converter IC, which outputs an analog voltage depending on the RMS value of the input signal.
MSRP – $35
Mikroe-3311

Current 2 Click
Equipped with an integrated transimpedance amplifying circuit.
MSRP – $17
Mikroe-3292

MUX Click
Equipped with the MUX509, a precise analog multiplexing IC.
MSRP – $17
Mikroe-3247

MUX 2 Click
Based around the TMUX1208 module, a 5-V Bidirectional 8:1, 1-Channel Multiplexer.
MSRP – $17
Mikroe-3245

MUX 3 Click
The MUX508, a modern CMOS analog multiplexing integrated circuit.
MSRP – $7
Mikroe-3916

DAC 4 Click
The MCP4728, a quad, 12-bit voltage output Digital-to-Analog Converter [DAC] with [EEPROM].
MSRP – $12
Mikroe-3707

DAC 5 Click
It’s an advanced 10-bit eight-channel digital to analog converter [DAC] with DAC53608.
MSRP – $15
Mikroe-3712
Features the LTC6992CS6, a silicon oscillator from Analog Devices.

**MSRP – $2400**

**MIKROE-4221**
AN to PWM 2 Click Uses OPA365 series op-amps, and the TLV3201 comparators from TI.

**MSRP – $1200**

**MIKROE-4060**
AN To PWM click With a 16-bit ADC converter, and 13-bit DAC converter integrated into the AD74413R.

**MSRP – $5600**

**MIKROE-3861**
AD-SWIO 2 Click The AD74412R a quad-channel software configurable input/output digital to analog converter.

**MSRP – $4900**

**MIKROE-4081**
AD-SWIO Click Features the LM311D, a high-speed voltage comparator.

**MSRP – $900**

**MIKROE-3505**
L meter click It’s an advanced 12-bit, four-channel digital to analog converter (DAC) with ADS624R.

**MSRP – $2600**

**MIKROE-4229**
DAC 8 Click The DAC8554IPWR, a 16-bit QUAD channel voltage-output digital to analog converter.

**MSRP – $3500**

**MIKROE-4346**
Waveform Click The AD9833, a low-power, programmable waveform generator.

**MSRP – $4700**

**MIKROE-3309**
Waveform 2 Click With the MCP1541 it is a perfect solution to be used in various A/D conversion applications.

**MSRP – $1500**

**MIKROE-3334**
DigiVref Click The AD9834, a 75 MHz low power DDS device.

**MSRP – $4500**

**MIKROE-3886**
DAC 7 Click It’s an advanced 12-bit, four-channel digital to analog converter (DAC) with ADS624R.

**MSRP – $2600**

**MIKROE-2005**
AD-SWIO Click The AD74412R a quad-channel software configurable input/output solution.

**MSRP – $4900**

**MIKROE-4282**
AD-SWIO 2 Click With a 16-bit ADC converter, and 13-bit DAC converter integrated into the AD74413R.

**MSRP – $5500**

**MIKROE-3861**
AN To PWM click Uses OPA365 series op-amps, and the TLV3201 comparators from TI.

**MSRP – $1200**

**MIKROE-4202**
AN to PWM 2 Click Features the LTC6992CS6, a silicon oscillator from Analog Devices.

**MSRP – $2400**
ISO ADC Click
The AMC1204BDWR, Isolated Delta-Sigma Modulator for Current-Shunt Measurement.
MSRP – $15^{20}
MKRIDE-4389

ISO ADC 2 Click
Features the AD7091R, successive-approximation analog-to-digital [ADC].
MSRP – $95^{20}
MKRIDE-4166

ISO ADC 3 Click
Features the AMC1100, a precision isolation amplifier.
MSRP – $15^{20}
MKRIDE-4383

ADC 8 Click
The ADS1115 a high precision, low-power, 16-bit analog-to-digital converter (ADC).
MSRP – $21^{20}
MKRIDE-3224

ADC 9 Click
Based on MCP3564 a 24-bit Delta-Sigma Analog-to-Digital Converter.
MSRP – $17^{20}
MKRIDE-4226

ADC 10 Click
Features the AD-S122U04, a 24-bit precision ΔΣ ADC converter.
MSRP – $27^{20}
MKRIDE-4288

ADC 12 Click
The ADS7828, a low-power 12-bit data acquisition device.
MSRP – $27^{20}
MKRIDE-4376

DIGI POT 6 Click
Features the MCP41HV51, 8-bit dual power rails digital potentiometer.
MSRP – $14^{20}
MKRIDE-4110

VCP monitor 2 Click
Uses the INA3221-Q1, a three-channel, high-side current and bus voltage monitor.
MSRP – $23^{20}
MKRIDE-4226

VCP Monitor 3 Click
Features the LTC2947 a high precision power and energy monitor.
MSRP – $27^{20}
MKRIDE-4226
MIXED SIGNAL

Wheatstone Click
With the MAX4208 – an ultra-low offset/drift, precision instrumentation amplifier.
MSRP – $15
MKRDE-4124

DAC 6 Click
The DAC104S085, 10-bit, micro-power, a quad digital-to-analog converter.
MSRP – $15
MKRDE-4206

DAC 9 Click
Features the DAC80S01, a 16-bit voltage-output digital-to-analog converter.
MSRP – $15
MKRDE-4222

DIGI POT 7 Click
Features the AD5175, a single-channel 1024-position digital rheostat.
MSRP – $15
MKRDE-4512

Current 3 Click
Features the EMC1702, a combination of the high-side current sensing device.
MSRP – $15
MKRDE-4553

Analog MUX 2 Click
Features the ADG728, a low voltage, CMOS 8-channel analog matrix switch.
MSRP – $18
MKRDE-4468

Waveform 3 Click
Uses the AD9837, a fully integrated direct digital synthesis (DDS) device.
MSRP – $25
MKRDE-4432

DAQ 3 Click
Uses the ADAQ4003, a fast and precise system-in-package DAQ signal chain solution.
MSRP – $79
MKRDE-4486

Analog MUX 3 Click
Uses the ADG738, a CMOS analog matrix switch with a serially-controlled SPI interface.
MSRP – $12
MKRDE-4532

ADC 11 Click
Features the LTC1864, a 16-bit 250ksps analog-to-digital converter from Analog Devices.
MSRP – $33
MKRDE-4053
DIGI POT 8 Click
Carries the AD5206, 6-channel digitally controlled potentiometer from Analog Devices.
MSRP – $921
MKROE-4596

PAC1954 Click
Features the PAC1954, a four-channel DC power/energy monitor from Microchip.
MSRP – $921
MKROE-4232

PAC1944 Click
Based on the PAC1944, a multi-channel DC power/energy monitor from Microchip.
MSRP – $919
MKROE-4278

DAC 10 Click
Equipped the DAC53401, a 10-bit voltage-output smart DAC from TI.
MSRP – $113
MKROE-4732

ADC 13 Click
With the ADS1262, programmable analog-to-digital converter from Texas Instruments.
MSRP – $51
MKROE-4769

MUX 4 Click
With the 74HC4851, 8-channel analog multiplexer/demultiplexer from Nexperia.
MSRP – $67
MKROE-4754

ISO ADC 5 Click
Based on the MAX22530, galvanically isolated 4-channel AD converter from Analog Devices.
MSRP – $927
MKROE-4758

VCP Monitor 4 Click
Features the INA239, digital power monitor for current-sensing applications from TI.
MSRP – $921
MKROE-4783

DAC 11 Click
Features the DAC128S08S, a OCTAL 12-bit analog output DAC from TI.
MSRP – $47
MKROE-4767

DAQ Click
Features the ADAQ7768-1, a 24-bit precision DAQ µModule system from Analog Devices.
MSRP – $75
MKROE-4955
**PAC1720 Click**
Features the PAC1720, a bi-directional current sensing monitor from Microchip.
MSRP – $15^{10}
MIX010-4005

**ADC 15 Click**
Based on the ADS131M02, analog-to-digital converter from Texas Instruments.
MSRP – $26^{10}
MIX010-4010

**Serializer Click**
Carries the MAX31910, an industrial eight-channel digital input serializer from ADI.
MSRP – $42^{10}
MIX010-4025

**ADC 17 Click**
Features the MAX11645, a low-power two-channel 12-bit ADC converter from Texas Instruments.
MSRP – $15^{10}
MIX010-4015

**ADC 16 Click**
With the ADS7142-Q1, a low-power two-channel 12-bit ADC converter from Texas Instruments.
MSRP – $33^{10}
MIX010-4027

**DAC 12 Click**
Carries the DAC60508, a general-purpose octal 12-bit DAC from Texas Instruments.
MSRP – $42^{10}
MIX010-4040

**ADC 19 Click**
Features the ADC122S101, a two-channel CMOS 12-bit ADC converter from TI.
MSRP – $13^{10}
MIX010-4019

**DIGI POT 9 Click**
Based on the AD5235, a dual-channel, digital potentiometer from Analog Devices.
MSRP – $96^{10}
MIX010-4026

**ADC 18 Click**
Carries the MAX22005, a twelve-channel 24-bit analog-to-digital converter from ADI.
MSRP – $35^{10}
MIX010-4032

**ADAC 3 Click**
With the PCF8591, an 8-bit A/D and D/A converter device from NXP.
MSRP – $24^{10}
MIX010-4034

Features the PAC1720, a bi-directional current sensing monitor from Microchip.

Carries the DAC60508, a general-purpose octal 12-bit DAC from Texas Instruments.

Based on the ADS131M02, analog-to-digital converter from Texas Instruments.

Carries the MAX31910, an industrial eight-channel digital input serializer from ADI.

Features the MAX11645, a low-power two-channel 12-bit ADC converter from Texas Instruments.

With the ADS7142-Q1, a low-power two-channel 12-bit ADC converter from Texas Instruments.

Carries the DAC60508, a general-purpose octal 12-bit DAC from Texas Instruments.

Features the ADC122S101, a two-channel CMOS 12-bit ADC converter from TI.

Based on the AD5235, a dual-channel, digital potentiometer from Analog Devices.

Carries the MAX22005, a twelve-channel 24-bit analog-to-digital converter from ADI.

With the PCF8591, an 8-bit A/D and D/A converter device from NXP.
**V to Hz 3 Click**
Features the AD7740, an synchronous voltage-to-frequency converter from Analog Devices.

MSRP – $21
MKRIOE-5250

**DIGI POT 11 Click**
Carries the MAX5387, a double pack digital potentiometer from Analog Devices.

MSRP – $92
MKRIOE-4518

**DAC 13 Click**
With the AD3541R, a 16-bit accuracy single channel DAC converter from Analog Devices.

MSRP – $109
MKRIOE-5412

**ADAC 2 Click**
Features the MAX22000, a 24-bit ADC, an 18-bit DAC, and AFE from Analog Devices.

MSRP – $115
MKRIOE-5475

**MUX 9 Click**
Features the ADG1438, a CMOS 8-channel analog matrix switch from Analog Devices.

MSRP – $29
MKRIOE-5520

**ADC 20 Click**
Features the TLA2518, an SPI-configurable eight-channel 12-bit SAR ADC from TI.

MSRP – $21
MKRIOE-5404

**PWR Meter 3 Click**
Features the ACS37800, an I2C-configurable power monitoring solution from Allegro.

MSRP – $45
MKRIOE-5530

**DAC 14 Click**
Carries the DAC53202, a programmable voltage/current-output DAC from TI.

MSRP – $24
MKRIOE-5525

**ADC 21 Click**
With the ADC1283, a CMOS 12-bit analog-to-digital converter from STM.

MSRP – $17
MKRIOE-5532

**HW Monitor Click**
Features the LM96080, hardware monitor from Texas Instruments.

MSRP – $25
MKRIOE-5680
POWER MANAGEMENT
**POWER MANAGEMENT**

- **BATT-MAN Click**
  The LTC3598, a high-efficiency power manager with boost, buck-boost, and dual buck converters.
  MSRP – $27.00
  MIKROE-2901

- **MCP73213 Click**
  Carries MCP73213 dual-cell Li-Ion/Li-Polymer battery charge management controller.
  MSRP – $18.00
  MIKROE-2575

- **MIC23099 Click**
  Carries MIC23099 single AA/AAA cell step-down/step-up regulator with battery monitoring.
  MSRP – $29.00
  MIKROE-2785

- **MIC24045 Click**
  Carries MIC24045 5A synchronous step-down regulator. Input range 4.5V-19V.
  MSRP – $13.00
  MIKROE-2574

- **VREG Click**
  Digitally controlled DC voltage regulator. Based on the well-known LM317 circuit.
  MSRP – $24.00
  MIKROE-2843

- **BATT-MAN Click**
  The STBC08, an 800 mA standalone linear Li-Ion battery charger with thermal regulation.
  MSRP – $17.00
  MIKROE-3049

- **MCP16331 INV Click**
  Works in an inverting configuration, provides a negative output voltage in respect to the GND.
  MSRP – $22.00
  MIKROE-2517

- **Step Down 2 Click**
  The L6965HTR is a step-down monolithic switching regulator able to deliver up to 2 A DC.
  MSRP – $15.00
  MIKROE-2895

- **Step Up Click**
  The MCP1665, a 500 kHz, compact, high-efficiency, fixed-frequency, nonsynchronous step-up DC-DC.
  MSRP – $15.00
  MIKROE-3709

- **Peltier Click**
  With the SPV1050, an ultralow power energy harvester and battery charger.
  MSRP – $15.00
  MIKROE-3814
**POWER MANAGEMENT**

**MIC24055 Click**
Equipped with the MIC24055, high-efficiency buck regulator from Microchip.

MSRP – $29[^28]
MIKROE-2833

**Qi Receiver Click**
Utilizes the principles of the inductive coupling for the purpose of wireless power transfer.

MSRP – $18[^28]
MIKROE-2799

**Solar energy Click**
Uses TI’s BQ25570 - a nano-power high-efficiency boost charger and buck converter device.

MSRP – $27[^28]
MIKROE-2814

**MIC33153 Click**
A DC-DC adjustable step-down (buck) converter.

MSRP – $21[^28]
MIKROE-2887

**VREG 2 Click**
Uses the LM2596, a 3A, step down voltage regulator working at 150 kHz, from Texas Instruments.

MSRP – $21[^28]
MIKROE-3253

**Buck-Boost 2 Click**
The LTC3115-2, a 40V, 2A synchronous buck-boost DC/DC converter from Linear Technology.

MSRP – $27[^28]
MIKROE-2963

**Buck-Boost Click**
Features LTC3129-1, a buck-boost DC/DC conversion integrated circuit.

MSRP – $20[^28]
MIKROE-2606

**Charger 5 Click**
Designed to charge Lithium-Ion and Lithium-Polymer batteries.

MSRP – $16[^28]
MIKROE-2648

**MCP16331 Click**
Functions as a non-inverting buck-boost voltage regulator.

MSRP – $22[^28]
MIKROE-2782

**MCP73871 Click**
Integrated solution for system power delivery and Li-Po/Li-Ion battery charge management.

MSRP – $16[^28]
MIKROE-2858
**Boost Click**
Carries Microchip’s MIC2606, a 2MHz, PWM DC/DC boost switching regulator.

MSRP – $21.00
MIKROE-2780

**BOOST 2 Click**
A DC-DC step-up regulator that has a fixed 5V output.

MSRP – $15.00
MIKROE-2894

**Boost 4 Click**
Carries TI’s TPS61230A, a high efficiency fully integrated synchronous boost converter.

MSRP – $17.00
MIKROE-2737

**Nano Power 2 Click**
The MAX40000AUT12+, a nanoPower comparator with built-in reference.

MSRP – $11.00
MIKROE-2618

**Smart Buck Click**
The MIC2230, a dual synchronous step-down DC/DC regulator.

MSRP – $29.00
MIKROE-3113

**BUCK 7 Click**
The MAX17504, a high efficiency, synchronous step-down DC-DC converter with internal compensation.

MSRP – $27.00
MIKROE-3094

**Buck 8 Click**
Uses the MAX17536, a high-efficiency, synchronous step-down DC-DC converter.

MSRP – $26.00
MIKROE-2897

**Buck-Boost 3 Click**
The ISL85403, a 2.5A regulator with the integrated high-side MOSFET and a low-side driver.

MSRP – $27.00
MIKROE-2777

**Charger Click**
Carries a battery charger controller and a battery charge monitor, along with a battery connector.

The MIC2230, a dual synchronous step-down DC/DC regulator.

MSRP – $29.00
MIKROE-3113

**Charger 8 Click**
The MAX8903B and the MAX17201, both ICs from Maxim Integrated.

MSRP – $24.00
MIKROE-2348
## Buck 9 Click
The MP9943, a synchronous step-down converter, from Monolithic Power Systems (MPS).

**MSRP – $21**
**M-KR0E-3057**

## Buck 10 Click
The MPM3632C, a 18V 3A ultra-low profile DC-to-DC power module by Monolithic Power Systems (MPS).

**MSRP – $15**
**M-KR0E-3069**

## Buck 11 Click
The LMR36015, a synchronous step-down converter, from Texas Instruments.

**MSRP – $21**
**M-KR0E-2938**

## Buck 12 Click
The MPQ8632, a synchronous step-down converter, from Monolithic Power (MPS).

**MSRP – $21**
**M-KR0E-2938**

## Buck 13 Click
The MPM3530, a 55V 3A ultra-low profile DC-to-DC power module by Monolithic Power Systems (MPS).

**MSRP – $21**
**M-KR0E-2938**

## Charger 9 Click
The MAX1757, a stand-alone, switch-mode Li+ battery charger, from Maxim Integrated.

**MSRP – $24**
**M-KR0E-3568**

## Buck Click
Buck switching regulator. A wide input voltage range of up to 40V. Steps it down to 3.3V or 5V.

**MSRP – $29**
**M-KR0E-1592**

## Buck 2 Click
A powerful step down DC-DC switching regulator. Input voltage range 4.5V-19V.

**MSRP – $16**
**M-KR0E-2858**

## Buck 3 Click
Uses the TPS568215, a 4.5V to 17V input, 8A synchronous step-down SWIFT™ converter.

**MSRP – $22**
**M-KR0E-2971**

## Boost 6 Click
The BQ25887 fully integrated 2-cell Li-ion batt. charger IC ideal for portable app. with cell balancing.

**MSRP – $15**
**M-KR0E-3813**
**BUCK 5 Click**
The MAX17506, a high efficiency, synchronous step-down DC/DC converter with internal compensation.
MSRP – $29
MKSRE-3100

**BUCK 6 Click**
Uses the MAX17572, a step down (buck) DC-DC converter from Maxim Integrated.
MSRP – $18
MKSRE-2887

**Boost-INV Click**
The LTC3582, programmable boost and inverting DC/DC converter with OTP memory.
MSRP – $21
MKSRE-3224

**Boost-INV 2 Click**
The TPS65131, a positive and negative output DC/DC Converter, from Texas Instruments.
MSRP – $29
MKSRE-3125

**UPS Click**
The LTC3225, a 150mA supercapacitor charger from Analog Devices.
MSRP – $25
MKSRE-3001

**Nano Power Click**
The MAX17222 - a nanoPower synchronous boost converter with True Shutdown™ technology.
MSRP – $11
MKSRE-3035

**Balancer 3 Click**
The BQ25200, Voltage Protection with Automatic Cell Balance for 2-Series Cell Li-Ion Batt.
MSRP – $12
MKSRE-3737

**Balancer 5 Click**
The BQ25887 fully integrated 2-cell Li-ion batt. charger IC ideal for portable app. with cell balancing.
MSRP – $15
MKSRE-3853

**BATT-MON Click**
The STC3115, a high-precision batt. gas gauge IC with alarm output for handheld app.
MSRP – $13
MKSRE-3741

**BUCK 14 Click**
Based around the BMR4613001/001 - a PoL regulator from Flex.
MSRP – $32
MKSRE-3847
POWER MANAGEMENT

Features the MAX890L, a low-resistance power switch.

MSRP – $15

MIKROE-4271 Current Limit Click
Uses the TPS2115AP-WR IC, auto-switching power multiplexer.

MSRP – $11

MIKROE-4109 Power MUX Click
Equipped with the RT9480, highly integrated and easy to use power solution.

MSRP – $19

MIKROE-4116 PowerBank 2 Click
Uses MP2632B a highly integrated 3A Li-ion and Li-polymer battery charger.

MSRP – $19

MIKROE-4082 PowerBank Click
The MCP3202, Dual Channel 12-Bit A/D Converter with SPI Serial Interface.

MSRP – $15

MIKROE-4058 Balancer 2 Click
It relies on the TPS65263, a triple synchronous step-down converter.

MSRP – $35

MIKROE-3650 3xBuck Click
Charger 11 Click
The MCP73123 – Lithium Iron Phosphate (LiFePO4) batt. charge management controller.

MSRP – $17

MIKROE-3744 Charger 12 Click
The MAX1501 – linear battery charger with thermal regulation for portable applications.

MSRP – $15

MIKROE-3748 Charger 13 Click
It’s a single lithium-ion (Li+) cell batt. charger based on the RT95326QW.

MSRP – $15

MIKROE-3844 Single Cell Click
The MAX16251 synchronous boost reg. with true load disconnect and MCP1811A LDO linear reg.

MSRP – $9

MIKROE-3201 Charger 11 Click
Charger 12 Click
Charger 13 Click
Single Cell Click
3xBuck Click
Features the MAX890L, a low-resistance power switch.

MSRP – $15
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>MSRP</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charger 3 Click</td>
<td>Features the TP4056, a complete constant-current/constant-voltage linear charger.</td>
<td>$925.00</td>
<td>MIKROE-4449</td>
</tr>
<tr>
<td>UPS 3 Click</td>
<td>The LTC3110, a bidirectional buck-boost DC/DC regulator/charger combination.</td>
<td>$629.00</td>
<td>MIKROE-4479</td>
</tr>
<tr>
<td>Buck &amp; Boost Click</td>
<td>The TPS2120, a dual-input single-output power multiplexer with an automatic switchover.</td>
<td>$25.00</td>
<td>MIKROE-4328</td>
</tr>
<tr>
<td>eFuse 2 Click</td>
<td>The MIC7401, a highly-integrated power-management IC with five synchronous buck regulators.</td>
<td>$69.00</td>
<td>MIKROE-4354</td>
</tr>
<tr>
<td>Boost 3 Click</td>
<td>The TPS61391, a 700-kHz pulse-width modulating (PWM) Step-Up converter.</td>
<td>$15.00</td>
<td>MIKROE-4335</td>
</tr>
<tr>
<td>USB-C Source Click</td>
<td>The STUSB4700, an independent USB power delivery controller.</td>
<td>$925.00</td>
<td>MIKROE-4329</td>
</tr>
<tr>
<td>USB-C Sink Click</td>
<td>Features the STUSB4700, an independent USB power delivery controller.</td>
<td>$625.00</td>
<td>MIKROE-4329</td>
</tr>
<tr>
<td>Charger 6 Click</td>
<td>Uses the BQ25601, a fast-charging solution for single-cell Li-ion and Li-polymer battery.</td>
<td>$12.00</td>
<td>MIKROE-4576</td>
</tr>
<tr>
<td>Qi RX Click</td>
<td>The PIC16F15313, a 8-bit MCU that makes a flexible, alternative to the wireless charging solutions.</td>
<td>$63.00</td>
<td>MIKROE-4245</td>
</tr>
<tr>
<td>UPS 2 Click</td>
<td>The TPS2120, a dual-input single-output power multiplexer with an automatic switchover.</td>
<td>$925.00</td>
<td>MIKROE-4335</td>
</tr>
<tr>
<td>Product</td>
<td>Price</td>
<td>Features/Details</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>--------</td>
<td>----------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>eFuse 3 Click</strong></td>
<td>$21</td>
<td>Based on the NIS6150, a self-protected resettable electronic fuse from ON Semiconductor.</td>
<td></td>
</tr>
<tr>
<td><strong>eFuse Click</strong></td>
<td>$15</td>
<td>Has the STPW12, a programmable electronic power breaker from STMicroelectronics.</td>
<td></td>
</tr>
<tr>
<td><strong>Charger 16 Click</strong></td>
<td>$26</td>
<td>Features the LT1571, a PWM battery charger with constant I/U control from Analog Devices.</td>
<td></td>
</tr>
<tr>
<td><strong>Power Monitor Click</strong></td>
<td>$21</td>
<td>Uses the ADP5350, an advanced battery management PMIC from Analog Devices.</td>
<td></td>
</tr>
<tr>
<td><strong>Buck 16 Click</strong></td>
<td>$23</td>
<td>Uses the ADP5350, a current mode synchronous buck converter from Texas Instruments.</td>
<td></td>
</tr>
<tr>
<td><strong>PROFET 2 Click-3A</strong></td>
<td>$17</td>
<td>Has the BTS7080-2EP, a dual-channel smart high-side power switch for 3A loads from Infineon.</td>
<td></td>
</tr>
<tr>
<td><strong>PROFET 2 Click-7.5A</strong></td>
<td>$17</td>
<td>Has the BTS7080-2EP, a dual-channel smart high-side power switch for 7.5A loads from Infineon.</td>
<td></td>
</tr>
<tr>
<td><strong>PROFET Click-10A</strong></td>
<td>$17</td>
<td>Uses the BTS7080-1EPA, a single-channel high-side power switch for 10A loads from Infineon.</td>
<td></td>
</tr>
<tr>
<td><strong>PROFET Click-15A</strong></td>
<td>$17</td>
<td>Uses the BTS7080-1EPA, a single-channel high-side power switch for 15A loads from Infineon.</td>
<td></td>
</tr>
<tr>
<td><strong>BATT-MAN 3 Click</strong></td>
<td>$35</td>
<td>Features the ADP5350, an advanced battery management PMIC from Analog Devices.</td>
<td></td>
</tr>
</tbody>
</table>
Based on the MIC2099, a current-limiter with adjustable overcurrent protection from Microchip.

Has the LTC3337, a primary battery state of health monitor from Analog Devices.

Uses the L9026, a multi-channel relay driver from STMicroelectronics.

Features the MAX14575A, an adjustable current-limit switch from Analog Devices.

Based on the MAX17608, a current-limiting IC with protection features from Analog Devices.

Has the BQ35100, a battery fuel gauge and end-of-service monitor from Texas Instruments.

Has the MP2672A, a boost charger with cell balance for 2-cell Li-Ion from MPS.

Based on the L9026, a multi-channel relay driver from STMicroelectronics.

Has the BQ35100, a battery fuel gauge and end-of-service monitor from Texas Instruments.

Has the MAX17754, a battery charging and power supply solution IC from Analog Devices.

Has the ST1PS03, a synchronous step-down converter from STMicroelectronics.

Has the MAX14575A, a battery charging and power supply solution IC from Analog Devices.

Has the LTC3553, a power management and battery charger IC from Analog Devices.

Features the MAX77654, a battery charging and power supply solution IC from Analog Devices.

Uses the LT8652, a dual-channel buck/boost DC-DC switching regulator from Analog Devices.

Uses the MAX14575A, a battery charging and power supply solution IC from Analog Devices.
**BATT-MON 2 Click**
Has the MAX17262, a 1-cell fuel gauge IC with ModelGauge m5 EZ algorithm from ADI.
MSRP – $11
MSKU0E-5527

**Buck 22 Click**
Based on the TPS62869, a synchronous step-down converter from Texas Instruments.
MSRP – $18
MSKU0E-5546

**Buck 19 Click**
Features the STP001, a programmable synchronous buck converter from STM.
MSRP – $24
MSKU0E-5561

**Boost 8 Click**
Carries the LT1945, a dual micropower DC/DC converter from Analog Devices.
MSRP – $21
MSKU0E-5548

**eFuse 4 Click**
Based on the TPS25940, an eFuse power switch with reverse current blocking from TI.
MSRP – $29
MSKU0E-5524

**Buck 20 Click**
With the MP2316, a high-efficiency, synchronous, step-down switch-mode converter from MPS.
MSRP – $45
MSKU0E-5533

**Buck 23 Click**
Features the MAX20010C, a high-efficiency, synchronous step-down converter from Texas Instruments.
MSRP – $18
MSKU0E-5546

**Charger 23 Click**
Carries the ISL78693, a single-cell Li-ion or Li-polymer battery charger from Renesas.
MSRP – $13
MSKU0E-5573

**Boost 7 Click**
Features the BD8316GWL, a dual DC/DC converter from Rohm.
MSRP – $29
MSKU0E-5599

**eFuse 5 Click**
Based on the TPS16530, positive 58V, 4.5A eFuse with a 31mΩ integrated FET from TI.
MSRP – $29
MSKU0E-5599
POWER MANAGEMENT

Step Down 5 Click
Features the TPS628510, a synchronous step-down DC/DC converter from TI.
MSRP – $15

USB-C Power Click
Uses the TPS25750S, a highly integrated USB Type-C and Power Delivery (PD) controller from TI.
MSRP – $15

LDO Click
Features the TPS7A83A, a low-noise, low-dropout linear regulator (LDO) from TI.
MSRP – $29
CLOCK & TIMING
RTC 4 Click
Carries DS2417, a real-time clock/calendar with a 1-Wire MicroLAN interface. 16.3 kbits per second.
MSRP – $21.00
MVRDE-1891

RTC 5 Click
Carries Microchip’s MCP79510 real-time clock/calendar.
MSRP – $21.00
MVRDE-2950

PLL Click
The ICS501, a LOCO™ PLL clock multiplier, from Integrated Device Technology.
MSRP – $15.00
MVRDE-2959

Clock Gen 2 Click
The DS1087LU-266, a 3.3V spread-spectrum EconOscillator, from Maxim Integrated.
MSRP – $17.00
MVRDE-3076

RTC 6 Click
Carries MCP79410 real-time clock/calendar IC. 64 bytes of battery-backed SRAM.
MSRP – $21.00
MVRDE-2063

TIMER Click
With DS1682 total elapsed time recorder from Maxim Integrated. ETC used with the ALARM pin.
MSRP – $18.00
MVRDE-2033

PULSE Click
A pulse generator with precise frequency control. Features NE555 precision timer.
MSRP – $25.00
MVRDE-2032

RTC 2 Click
With DS1307 serial real-time clock. It’s a full binary-coded decimal (BCD) clock/calendar.
MSRP – $21.00
MVRDE-948

RTC 3 Click
Carries BQ32000, a real-time clock with an integrated trickle charge circuit for automatic switchover.
MSRP – $21.00
MVRDE-2839
CLOCK & TIMING

One Shot Click
The LTC6993-2, a monostable multivibrator known as a "one-shot" pulse generator.
MSRP – $19
MVK03E-3877

RTC 7 Click
The MAX31341B, a low-current RTC with I2C interface and power management.
MSRP – $17
MVK03E-2976

RTC 10 Click
The DS3231M, a low-cost, extremely accurate, I2C real-time clock (RTC).
MSRP – $17
MVK03E-2976

Clock Gen Click
Features the LTC6904 IC, 1kHz to 68MHz Serial Port Programmable Oscillator.
MSRP – $17
MVK03E-4272

RTC Gen 3 Click
Features the Si5351A, an I2C configurable clock generator.
MSRP – $15
MVK03E-4113

RTC Gen 4 Click
Uses the LTC6904 IC, 1kHz to 68MHz Serial Port Programmable Oscillator.
MSRP – $17
MVK03E-4113

RTC Gen 5 Click
Features the LTC6903, a low-power self-contained digital frequency source.
MSRP – $15
MVK03E-4121

RTC 9 Click
Features the M41T82, real-time clock (RTC) with battery switchover
MSRP – $12
MVK03E-4121

RTC 11 Click
The AB0815, an ultra-low-power coupled with a highly sophisticated feature set.
MSRP – $7
MVK03E-4218

Watchdog Click
Features the TPS3430, a stand-alone watchdog timer.
MSRP – $7
MVK03E-4218
RTC Click
It features the PCF8523 serial real-time clock (RTC).

MSRP – $21
MKNROE-2607

RTC 12 Click
Based on the ISL1221, a low-power RTC with battery-backed SRAM from Renesas.

MSRP – $23
MKNROE-4607

RTC 14 Click
Carries the TDC7200, a time-to-digital converter from Texas Instruments.

MSRP – $15
MKNROE-4770

RTC 13 Click
Based on the ISL1221, a low-power RTC with battery-backed SRAM and event detection from Renesas.

MSRP – $19
MKNROE-4789

Waveform 4 Click
Features the AD9106, a quad-channel, 12-bit, 180MSPS waveform generator from Analog Devices.

MSRP – $115
MKNROE-4808

RTC 16 Click
Carries the BU9873, a CMOS real-time clock from Rohm Semiconductors.

MSRP – $13
MKNROE-5083

RTC 17 Click
Features the RV5C387A, a CMOS real-time clock from Nisshinbo Micro Devices Inc.

MSRP – $12
MKNROE-5129

RTC 18 Click
Based on RV-3032-C7, real-time clock module from Micro Crystal AG.

MSRP – $13
MKNROE-5192

Clock Gen 6 Click
Features the MIC1557, an IttyBitty CMOS RC oscillator from Microchip Technology.

MSRP – $12
MKNROE-4972
TDC 2 Click
Features ScioSense’s AS6500, a four-channel time-to-digital converter (TDC).
MSRP – $83
MIKROE-5570

RTC 21 Click
Based on the PT7C4311, a real-time clock module from Diodes.
MSRP – $15
MIKROE-5541

RTC 20 Click
Carries the AB0805, a real-time clock with a highly sophisticated feature set from Abracon.
MSRP – $15
MIKROE-5560
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Aleksandar Mitroovic
Head of Click Team and Product Manager

Aleksandar is in charge of our Click board™ product line, and the Click team. He started his career at MIKROE through internship and later technical support, making his way up to his current position. This accomplishment requested huge dedication to the work, to the customers and products, all of which he demonstrated during the years of employment at MIKROE. As someone who is taking care of hundreds existing and countless future Click boards™, he will be your main contact regardless if you are silicon vendor interested in Chips4Clicks program or a regular customer interested in sharing ideas about a new Click board™.