Click boards™

THE BIGGEST ADD-ON BOARD COLLECTION IN THE WORLD.
A new idea is just a click away


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

Ever-growing range of standardized add-on boards

Wireless Connectivity
Sensors
Interface
Display & Led
Human Machine Interface
Storage

Miscellaneous
Motor Control
Audio & Voice
Mixed Signal
Power Management
Clock & Timing
WIRELESS CONNECTIVITY

3G Click (USA)
UG95 3G UMTS/HSPA module. With SIM card slot, Audio/Mic jack, micro USB port.
MSRP – $36
MEX0E-2596

3G Click (EU/AUS)
UG95 3G UMTS/HSPA module. With SIM card slot, Audio/Mic jack, micro USB port.
MSRP – $36
MEX0E-2226

3G SARA Click
With UMTS/HSPA cellular modem – the u-blox U201, from the SARA series.
MSRP – $36
MEX0E-2527

4G LTE-E Click
With the LARA-R211 multi-mode cellular module from u-blox.
MSRP – $61
MEX0E-2535

4G LTE-NA Click
It features the LARA-R204 multi-mode cellular module from u-blox.
MSRP – $61
MEX0E-2535

BT Audio Click
With CC2500 low-power 2.4 GHz RF transceiver and PCB trace antenna.
MSRP – $49
MEX0E-2399

ccRF Click
With CC1120, high performance radio transceiver for ISRM and SRD bands.
MSRP – $36
MEX0E-2199

ccRF 2 Click
Carries the CC1120 high-performance RF transceiver for narrow-band systems from TI.
MSRP – $36
MEX0E-2230

ccRF 3 Click
GNSS Click
Quectel’s L86 GNSS module with a patch antenna and an external antenna connector.
MSRP – $46\,00
MIKROE-1850

GNSS 2 Click
Quectel’s L76 module and SMA antenna connector. GPS + GLONASS.
MSRP – $39\,00
MIKROE-1895

GNSS 3 Click
Quectel’s SIM33ELAGNSS module with an integrated antenna and an external antenna connector.
MSRP – $46\,00
MIKROE-1895

GNSS 4 Click
It features SAM-M8Q patch antenna module from u-blox.
MSRP – $41\,00
MIKROE-2670

GNSS 5 Click
It carries LEA-6S high-performance position engine from u-blox.
MSRP – $49\,00
MIKROE-1032

GPS Click
With Quectel’s L80, high-sensitivity GPS module with a patch antenna.
MSRP – $85\,00
MIKROE-2382

GPS 2 Click
With SIM808, GSM/GPRS and GPS module. 2 antenna conn. SIM card slot, a micro USB conn.
MSRP – $59\,00
MIKROE-2382

GPS 3 Click
With SIM800, GSM/GPRS module. 2 antenna conn. SIM card socket.
MSRP – $49\,00
MIKROE-2439

GPS/GNSS 2 Click
Quectel’s MC60 quad-band GSM/GPRS/GNSS module. GPS/GNASS location tracking with GSM.
MSRP – $49\,00
MIKROE-2586

GSM Click
With quad-band GL865-QUAD GSM/GPRS module. Onboard antenna connector and SIM card socket.
MSRP – $49\,00
MIKROE-1298

GSM 2 Click
With Quectel’s M95 FA quad-band GSM/GPRS module. 85.6 kbps GPRS data transfer.
MSRP – $49\,00
MIKROE-1375

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 SIM88 quad-band GSM/GPRS/GNSS module. GPS/GNASS location tracking with GSM.
MSRP – $79\,00
MIKROE-2439

GSM/GNSS 2 Click
With SIM858 quad-band GSM/GPRS module. GPS/GNASS location tracking with GSM.
MSRP – $69\,00
MIKROE-2586

IQRF Click
With DCTR-76DA RF transceiver, operating in the 868/916 MHz frequency.
MSRP – $49\,00
MIKROE-1939

IQRF 2 Click
With DCTR-723AT RF transceiver, operating in the 868/916 MHz frequency.
MSRP – $49\,00
MIKROE-1939

IR Beacon Click
Functions as a beacon device with nine VSMB-2948SL high speed infrared emitting diodes.
MSRP – $21\,00
MIKROE-1939
<table>
<thead>
<tr>
<th>Product</th>
<th>Model</th>
<th>MSRP</th>
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<tbody>
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<td>IR Click</td>
<td>MIKROE-1377</td>
<td>$9.50</td>
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<td>IRDA2 Click</td>
<td>MIKROE-1195</td>
<td>$2.50</td>
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<tr>
<td>LoRa RF Click</td>
<td>MIKROE-2933</td>
<td>$25.90</td>
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<tr>
<td>LoRa RF 2 Click</td>
<td>MIKROE-2934</td>
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<tr>
<td>LoRa 3 Click</td>
<td>MIKROE-2225</td>
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<tr>
<td>LoRa 4 Click</td>
<td>MIKROE-1997</td>
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<tr>
<td>NFC Tag 2 Click</td>
<td>MIKROE-1726</td>
<td>$12.00</td>
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<td>nRF C Click</td>
<td>MIKROE-1304</td>
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<td>nRF S Click</td>
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<td>nRF T Click</td>
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<td>RFid Click</td>
<td>MIKROE-2933</td>
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<tr>
<td>NFC Tag Click</td>
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<td>RN4678 Click</td>
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<td>RN4870 Click</td>
<td>MIKROE-2543</td>
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<tr>
<td>RN4871 Click</td>
<td>MIKROE-2544</td>
<td>$29.00</td>
</tr>
</tbody>
</table>

**Features**

- **IR Click**: Features TSOP38338 IR 38 kHz receiver module as well as QEE113 IR emitting diode.
- **LoRa RF Click**: With RN2903 915 MHz Radio Modem compliant with regulations for use in the USA, CA, AU, NZ.
- **LoRa RF 2 Click**: A LoRa technology-based SRD transceiver, operates at sub-gigahertz frequency of 868MHz.
- **LoRa 3 Click**: A LoRa technology-based SRD transceiver, operates at sub-gigahertz frequency of 868MHz.
- **LoRa 4 Click**: A LoRa RF technology based SRD transceiver, operates at sub-gigahertz frequency of 868MHz.
- **NFC Tag Click**: Carries NT3H1101 NTAG I2C energy harvesting NFC Forum Type 2 Tag from NXP.
- **RFid Click**: With CR95HF 13.56 MHz contactless RFID transceiver, and trace antenna.
- **RN4678 Click**: It carries RN4678 Bluetooth® 4.2 dual mode module from Microchip.
- **RN4870 Click**: It carries RN4870 Bluetooth® 4.2 low energy module from Microchip.
**tRF Click**
With Telit’s LE70-868—a 868 MHz transceiver module with embedded stack.
MSRP – $59
MKR0E-1535

**WiFi 2 Click**
With HLK-M30 module. Can be set up with either a static or dynamic IP address.
MSRP – $29
MKR0E-1768

**WiFi 3 Click**
With ESP8266 module. TCP/IP stack. Supports Wi-Fi Direct (p2p). 6 GPIO pins.
MSRP – $27
MKR0E-1769

**WiFi 4 Click**
With SPWF01SA standalone WiFi module. Built-in 2.45 GHz ISM band antenna.
MSRP – $49
MKR0E-2013

**WiFi 5 Click**
With Gainspan’s G5150DM 802.11b/g/n Low Power WiFi module with a PCB trace antenna.
MSRP – $29
MKR0E-2027

**WiFi 6 Click**
With WF121-A self-contained WiFi module. 2.4GHz band IEEE 802.11 b/g/n radio.
MSRP – $69
MKR0E-2043

**WiFi 7 Click**
With ATWNC1510-MR210PB IEEE 802.11 b/g/n module, 20MHz solution.
MSRP – $29
MKR0E-2046

**WiFi ESP Click**
With ESP-WROOM-02 module that integrates ESP32-C2. In AP WiFi and WiFi client mode.
MSRP – $15
MKR0E-2542

**WiFi PLUS Click**
With MRF24WB-0MA 2.4GHz, IEEE std. 802.11 b/g/n module and MCW1001 controller.
MSRP – $45
MKR0E-1135

**WiFiFly Click**
With RN-131 embedded wireless LAN module. Qualified 2.4-GHz IEEE 802.11 b/g/n transceiver.
MSRP – $69
MKR0E-1937

**AnyNet 2G Click**
WiFi module with integrated IPv4 TCP/IP stack and built-in network protocols.
MSRP – $69
MKR0E-2747

**AnyNet 3G-EA Click**
A secure connection with the AWS over the air (OTA), by utilizing the Quectel U95s 3G module.
MSRP – $89
MKR0E-2757

**CC3100 Click**
A wireless receiver that operates at the frequency of 433MHz (sub-GHz).
MSRP – $19
MKR0E-2536

**OOK RX Click**
A wireless transmitter that operates at the frequency of 433MHz (sub-GHz).
MSRP – $19
MKR0E-2063

**OOK TX Click**
A standalone WiFi module, with the state-of-the-art NINA-W132 module from u-blox.
MSRP – $45
MKR0E-2542

**WiFi NINA Click**
A wireless receiver that operates at the frequency of 433MHz (sub-GHz).
MSRP – $19
MKR0E-2542
**MiWi Click**
A subgigahertz radio transceiver which offers a reliable FSK or OOK communication solution.

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

**M-BUS RF Click**
With ME70-169RF wireless module. Unlicensed ISM frequency band 169.400-169.475 MHz.

**SPIRIT Click**
With SP3ML 868MHz ultra low-power RF module. Memory: 16 kB RAM and 128 kB Flash.

**XBEE Click**
Xbee® and Zigbee-compliant XB24CZ7PIS-004 module with a PCB antenna.

**NANO GPS Click**
With Nano Hornet, world’s smallest GPS module with an integrated antenna.

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

**NB IoT Click**
Allows LTE Cat NB1 connectivity by utilizing Quectel BC95-G

**LTE IoT Click**
Compact quad-band GSM solution, featuring the quad-band SARA-R41DM-02B LTE/2G module.

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

**SigFox Click**
Carries the SN10-11, a fully integrated Sigfox™ certified module by InnoComm.

**SigFox 2 Click**
Carries the SN10-12, a fully integrated Sigfox™ certified module by InnoComm.

**SigFox 3 Click**
Carries the SN10-13, a fully integrated Sigfox™ certified module by InnoComm.

**DeviceDrive Click**
The WRF01-M24A module uses the UART interface (with JSON command format).

**EnOcean 4 Click**
With ultra-low power TC-M515U transceiver gateway module which operates at 920MHz radio band.
EnOcean 3 Click
With ultra-low power TCM515 transceiver gate-way module and operates at 868MHz radio band.
MSRP – $39
MKITGE-3653

BLE 8 Click
With the ANNA-B112, an ultra-small, stand-alone Bluetooth low energy module.
MSRP – $29
MKITGE-3674

WiFi 9 Click
With the PAN9420 a 2.4 GHz ISM band Wi-Fi-embedded module.
MSRP – $45
MKITGE-3452

WiFi 10 Click
Based on the SX-ULPAN-SB-2401, an integrated wireless LAN module.
MSRP – $25
MKITGE-3452

WiFi BLE Click
The ESP32-WROOM-32 module itself is based on the ESP32-D0WDQ6 chip, a powerful 32-bit SDIC.
MSRP – $21
MKITGE-3452

GNSS ZOE Click
An evaluation board for ultra small ZOE-M8Q GNSS SiP receiver from u-blox.
MSRP – $39
MKITGE-3559

NFC Tag 4 Click
NFC tag device, offering 16 Kbit of electrically erasable programmable memory [EEPROM].
MSRP – $12
MKITGE-3559

SPIRIT 2 Click
With the SP1ML-915, an ultra-low power RF module, which operates at 915 MHz ISM band.
MSRP – $39
MKITGE-3559

LoRa 5 Click
SRD transceiver which operates at a sub-GHz frequency of 902-928 MHz SRD Band.
MSRP – $52
MKITGE-3557

G2C Click
A gateway Click board™ which provides a simple and reliable connection to the Click Cloud platform.
MSRP – $19
MKITGE-3557

4G LTE-APJ Click
LTE Cat 1 / UMTS multimo-decellular network solution, with the compact LARA-R2 series modem from u-blox.
MSRP – $115
MKITGE-3551

4G LTE-AT&T Click
LTE Cat 1 / UMTS multimo-decellular network solution, with the compact LARA-R2 series modem from u-blox.
MSRP – $115
MKITGE-3551

GNSS 7 Click
It carries the NEO-M9N GNSS receiver module from u-blox.
MSRP – $39
MKITGE-3550

G2C 3G Click
Allows connection to the feature-rich Click Cloud platform, over the 3.75G UMTS/HSPA network.
MSRP – $69
MKITGE-3547

LTE Cat. 1-EU Click
Carries the ELS61 Cat 1 LTE connectivity module with 2G and 3G fall back.
MSRP – $105
MKITGE-3767

LTE Cat. 1-US Click
Carries the ELS61 Cat 1 LTE connectivity module with 2G and 3G fall back.
MSRP – $105
MKITGE-3865
BLE 4 Click
It features the NINA-B312, an integrated wireless connectivity solution.
MSRP – $29.00
MKROE-3773

BLE 7 Click
Based on the BGX-13S22GA, a Bluetooth low energy module from Silicon Labs.
MSRP – $21.00
MKROE-3872

M-BUS RF 4 Click
With a Telit ME70-169 RF wireless module.
MSRP – $65.00
MKROE-2600

Thingstream Click
It is equipped with the SIM868, an 802.11b/g/n quad-band GPS/GLONASS/GSM module.
MSRP – $45.00
MKROE-3739

Diff Press Click
The MPXV7007DP, an integrated monolithic differential pressure sensor from NXP.
MSRP – $27.00
MKROE-3332

GeoMagnetic Click
Measures the geomagnetic field in three perpendicular axes. The onboard sensor uses FlipCore from Bosch.
MSRP – $61.00
MKROE-2935

IR Grid Click
Equipped with the MLX90621BAD, a 16x4 IR array sensor, from Melexis.
MSRP – $69.00
MKROE-2622

Moisture Click
FDC2112 IC, a very precise 12-bit capacitance to digital converter, from Texas Instruments.
MSRP – $19.00
MKROE-3084

Opto Encoder Click
Uses the TCUT1600X01, a tall dome dual channel transmissive optical sensor from Vishay.
MSRP – $9.00
MKROE-2549

RTD Click
It is based on MAX31865 resistance to digital converter optimized for RTDs.
MSRP – $15.00
MKROE-2615

10DOF Click
With BN0055, a 9-axis absolute orientation sensor and BMP180, a digital pressure sensor.
MSRP – $49.00
MKROE-2613

3D Hall Click
With MLX90333 3-axis Hall sensor. Detects the position of any magnet in nearby space.
MSRP – $25.00
MKROE-1867

3D Motion Click
MM7150 9-axis sensor fusion motion module and SSC7150 motion coprocessor.
MSRP – $59.00
MKROE-1298

6DOF IMU Click
STM’s LSM6DS33TR 6-axis IMU with 3-axis gyroscope and 3-axis accelerometer.
MSRP – $49.00
MKROE-2337

6DOF IMU 2 Click
With BMI160 low power IMU. For precise acceleration and gyroscopic measurement.
MSRP – $24.00
MKROE-2337

9DOF Click
LSM9DS1 inertial measurement module - 3D accelerometer, gyroscope and magnetometer.
MSRP – $24.00
MKROE-1941
**Accel Click**
With ADXL345 3-axis accelerometer. 13-bit measurement, embedded FIFO technologies.
MSRP – $19
MKEF-1194

**Accel 2 Click**
LIS3DSH IC 3-axis accelerometer. Embedded FIFO buffer and 2 programmable state machines.
MSRP – $19
MKEF-1105

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

**Air quality Click**
MQ-135 sensor for detecting gases - ammonia, nitrogen oxides, benzene, smoke, CO2.
MSRP – $16
MKEF-1630

**Air quality 2 Click**
iAQ-Core that measures VOC levels and provides CO2 equivalent and TVOC equivalent predictions.
MSRP – $79
MKEF-2529

**Air quality 3 Click**
Equipped with the CCS811, an ultra-low power digital gas sensor for monitoring the indoor air quality (IAQ).
MSRP – $32
MKEF-2953

**Air quality 4 Click**
An advanced air quality sensing device that combines multiple metal-oxide sensing elements on a chip.
MSRP – $32
MKEF-2896

**Air quality 5 Click**
MiCS-6814, a compact triple MOS sensor from SGX Sensortech, with 3 independent sensors.
MSRP – $45
MKEF-3056

**Hydrogen Click**
With MQ-8 sensor for hydrogen [H2]. Sensor’s detection range 100-10000ppm of H2.
MSRP – $15
MKEF-1629

**Angle 3 Click**
With AK7451, a magnetic rotational angle sensor with 12-bit angle resolution.
MSRP – $18
MKEF-2755

**Barometer Click**
MSRP – $12
MKEF-1817

**Bi Hall Click**
US2882 bipolar Hall-effect switch and a 74LVCT45 single bit, dual supply transceiver.
MSRP – $16
MKEF-1648

**CO Click**
MSRP – $16
MKEF-1628

**Color Click**
With TCS3471 (RGBC) color light sensor and a RGB LED diode. Resolution up to 16-bits.
MSRP – $15
MKEF-1438

**Color 2 Click**
ISL29215 RGB color light sensor. 16-bit resolution data, measuring range 5.7 mlx-10,000 lux.
MSRP – $16
MKEF-1988

**Color 3 Click**
With TCS3771 color sensor and a narrow beam Infrared LED.
MSRP – $17
MKEF-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 – $25
Mikroe-2264

**Current Click**
With INA196 current shunt monitor, MCP3201 12-bit ADC, MAX6106 voltage reference.
MSRP – $24
Mikroe-2386

**DHT22 Click**
With DHT22 temp. and humidity measurement sensor. Hum. 0–100%, temp. -40 to +80° C.
MSRP – $24
Mikroe-2386

**Diff pressure Click**
MPXV5010DP pressure sensor. Designed for comparing 2 pressure measurements.
MSRP – $59
Mikroe-2386

**Earthquake Click**
It carries D7S, the world’s smallest high-precision seismic sensor from Omron.
MSRP – $69
Mikroe-2561

**ECG Click**
It measures the electrical activity of a beating heart through electrodes taped to the skin.
MSRP – $39
Mikroe-2455

**Environment Click**
Measures temperature, relative humidity, pressure and Volatile Organic compounds gases.
MSRP – $34
Mikroe-2621

**EMG Click**
Measures the electrical activity produced by the skeletal muscles.
MSRP – $29
Mikroe-2621

**Fever Click**
Measures body temperature with MAX30205 sensor. Accuracy 0.1°C (37°C to 39°C).
MSRP – $11
Mikroe-2504

**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 – $25
Mikroe-2065

**Grid-EYE Click**
8x8 thermal array sensor-detector that carries AMG8853 infrared array sensor.
MSRP – $67
Mikroe-2539

**GYRO Click**
L3GD20 3-axis digital gyroscope module - can measure angular rate and ambient temperature.
MSRP – $25
Mikroe-2539

**Hall current Click**
High precision current sensor with TLH870-050T4, a magnetic current sensor.
MSRP – $64
Mikroe-1578
HDC1000 Click
It's a humidity and temperature measurement Click carrying the HDC1000 sensor.
MSRP – $19
MIKROE-1797

Heart rate Click
With Maxim’s MAX30100 integrated pulse oximetry and heart-rate sensor.
MSRP – $19
MIKROE-2000

Heart rate 3 Click
SFH7050 pulse oximetry and heart-rate monitoring module, and AFE4404 IC for bio-sensing.
MSRP – $39
MIKROE-2036

Heart rate 4 Click
Carrie the MAX30101 high-sensitivity pulse oximeter and heart-rate sensor.
MSRP – $21
MIKROE-2510

Heart Rate 5 Click
Uses the top-of-the-class integrated BIOFY® SFH 7072 sensor from OSRAM.
MSRP – $32
MIKROE-3012

Heart Rate 7 Click
The VEMD8080 photodiode, A high-speed PD element, with sensitivity in the visible light spectrum.
MSRP – $23
MIKROE-2998

Illuminance Click
MSRP – $16
MIKROE-1688

IR distance Click
With GP2Y0A60SZ0F distance measuring sensor. Measuring range 10–150 cm.
MSRP – $25
MIKROE-1991

IR eclipse Click
With EE-SX198 photo interrupter sensor – detects anything that obstructs its beam.
MSRP – $15
MIKROE-1711

IR reflect Click
Carries GP2S700HCP reflective photo interrupter and an onboard potentiometer.
MSRP – $12
MIKROE-1882

IR Sense Click
With AK9750 quantum-type IR sensor. Detects the temperature of objects and people in motion.
MSRP – $27
MIKROE-2677

IrThermo Click 3.3V
With MLX90614ESF–BAARF thermometer module, factory calibrated in wide temp. range.
MSRP – $29
MIKROE-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
MIKROE-1814

REED Click
With a standard reed switch. Used in mechanical systems as proximity sensors.
MSRP – $7
MIKROE-1908

RF Meter Click
It’s an RF power measurement device. Frequency span 1 MHz–8 GHz, over 60 dB range.
MSRP – $49
MIKROE-2014

Shake2Wake Click
With ADXL362 ultralow power, 3-axis MEMS accelerometer. Includes several activity detection modes.
IrThermo Click 5V
With MLX90614ESF-AAA IR thermometer module, factory calibrated in wide temperature range.
MSRP – $29
MIKROE-1362

IrThermo 2 Click
It is a non-contact temperature measurement solution, with an infrared thermopile sensor.
MSRP – $20
MIKROE-1888

LDC1000 Click
With ind-to-digi. converter 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-1424

LightHz Click
With TSL230BR converter for conversion of light intensity to frequency with no external components.
MSRP – $17
MIKROE-990

LightRanger Click
It’s a proximity sensor carrying VL6180X IC. Also works as an ambient light sensor.
MSRP – $24
MIKROE-1897

LightRanger 2 Click
With VL53L0X IC, the world’s smallest Time-of-Flight ranging and gesture detector sensor.
MSRP – $24
MIKROE-2509

LIN HALL Click
Carries MLX90242 linear Hall sensor IC. Measures magnet’s strength and distance.
MSRP – $17
MIKROE-1648

Line Follower Click
With five QRE1113 miniature reflective object sensors. Used for line following robots and cars.
MSRP – $15
MIKROE-1999

LPG Click
With MQ-5 sensor for detecting liquefied petroleum gas leakage. Detection range 200-10000 ppm.
MSRP – $15
MIKROE-1587

LPS2HB Click
Used as a digital barometer. It carries the LPS22HB MEMS nano pressure sensor.
MSRP – $15
MIKROE-2605

LSM303AGR Click
Measures acceleration and magnetic field characteristics. Carries LSM303AGR module.
MSRP – $18
MIKROE-2665

LSM6DSL Click
Measures linear and angular velocity with six degrees of freedom. Carries LSM6DSL module.
MSRP – $36
MIKROE-2731

MAGNETO Click
Carries AS5048A contactless magnetic angle position sensor that relies on the Hall Effect.
MSRP – $29
MIKROE-1938

MAGNETO 2 Click
Enables the design of non-contacting rotary position sensors with MLX90316 sensor IC.
MSRP – $29
MIKROE-2037

Manometer Click
Carries a piezoresistive silicon pressure sensor with extremely high accuracy (+0.25% F.S. FSFL).
MSRP – $79
MIKROE-2237
<table>
<thead>
<tr>
<th>Sensor Name</th>
<th>Description</th>
<th>MSRP</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manometer 2 Click</strong></td>
<td>With MS5525D-10 digital pressure sensor. 10-bit digital pressure and temp. value.</td>
<td>$39.00</td>
<td>MIKROE-2550</td>
</tr>
<tr>
<td><strong>Methane Click</strong></td>
<td>With MQ-4 sensor for methane (CH₄). Detection range 2000-10000 ppm of CH₄.</td>
<td>$15.00</td>
<td>MIKROE-1628</td>
</tr>
<tr>
<td><strong>MOTION Click</strong></td>
<td>It's a motion detector sensitive only to live bodies with PIR500B, a pyroelectric sensor.</td>
<td>$13.00</td>
<td>MIKROE-1589</td>
</tr>
<tr>
<td><strong>MPU IMU Click</strong></td>
<td>Carries MPU-6000 integrated 6-axis motion tracking device and a DMP (Digital Motion Processor).</td>
<td>$39.00</td>
<td>MIKROE-1577</td>
</tr>
<tr>
<td><strong>Spectral Click</strong></td>
<td>Uses the AS7261, an XYZ chromatic white color sensor + NIR with electronic shutter and smart interface.</td>
<td>$26.00</td>
<td>MIKROE-2972</td>
</tr>
<tr>
<td><strong>Pressure 2 Click</strong></td>
<td>With LPS331AP digital output pressure sensor. For pressure (260-1260 mbar) and temp. (-40°C to 80°C).</td>
<td>$25.00</td>
<td>MIKROE-2973</td>
</tr>
<tr>
<td><strong>Pressure 3 Click</strong></td>
<td>With MS5803, a high resolution MEMS pressure sensor. Range 0-14 bars, resolution up to 0.2 mbars.</td>
<td>$69.00</td>
<td>MIKROE-2961</td>
</tr>
<tr>
<td><strong>Proximity Click</strong></td>
<td>With VCNL4010 proximity and ambient light sensor. Range up to 20cm, 16-bit resolution.</td>
<td>$20.00</td>
<td>MIKROE-2968</td>
</tr>
<tr>
<td><strong>Barcode Click</strong></td>
<td>The LV3296, a compact integrated barcode scanner from Rakinda company.</td>
<td>$179.00</td>
<td>MIKROE-2961</td>
</tr>
<tr>
<td><strong>MPU 9DOF Click</strong></td>
<td>Carries the MPU-9150 system in package, the world’s first 9-axis motion tracking device.</td>
<td>$42.00</td>
<td>MIKROE-1710</td>
</tr>
<tr>
<td><strong>Ozone 2 Click</strong></td>
<td>With MQ131 sensor for Ozone (O₃). Detection range 100-1000 ppm of O₃.</td>
<td>$37.00</td>
<td>MIKROE-2767</td>
</tr>
<tr>
<td><strong>Pollution Click</strong></td>
<td>Detects organic gases - formaldehyde, benzene, alcohol, toluene, etc. Detection range 1x50ppm.</td>
<td>$49.00</td>
<td>MIKROE-2768</td>
</tr>
<tr>
<td><strong>Pressure Click</strong></td>
<td>With MS5803, a high resolution MEMS pressure sensor. Range 0-14 bars, resolution up to 0.2 mbars.</td>
<td>$89.00</td>
<td>MIKROE-2880</td>
</tr>
<tr>
<td><strong>Pressure 3 Click</strong></td>
<td>With DPS310 digital barometric pressure sensor. Range 300-1200 hPa.</td>
<td>$20.00</td>
<td>MIKROE-2961</td>
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**Additional Notes:**
- MSRP = Manufacturer’s Suggested Retail Price
- SKU = Stock Keeping Unit
<table>
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<th>Sensor Type</th>
<th>Model</th>
<th>MSRP</th>
<th>Notes</th>
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<tr>
<td>Temperature and humidity sensor</td>
<td>SHT3x-DIS</td>
<td>$26.00</td>
<td>-0 to 100% RH, 40 to 125°C temp. range.</td>
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<td>Digital humidity and temperature sensor</td>
<td>SHT11</td>
<td>$13.00</td>
<td>Not recommended for newer designs.</td>
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<tr>
<td>Digital humidity and temperature sensor</td>
<td>SHT1x</td>
<td>$19.00</td>
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Thermostat Click
It carries MAX7502 IC that can measure temp. from -25°C to +100°C. Accuracy ±1.5°C.
MSRP – $19

Thunder Click
Detects the presence and proximity of lightning activity with AS9395 lightning sensor.
MSRP – $35

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

TILTnSHAKE Click
With MMA8451Q IC, a 3-axis digital accelerometer. Can function as a 45° tilt sensor.
MSRP – $19

UNI HALL Click
With US8811 unipolar Hall-effect switch sensitive to the North Pole magnetic fields.
MSRP – $12

UV Click
With ML8511 IC that is sensitive to UVA and UVB rays. Outputs either analog or digital signals.
MSRP – $24

UV 2 Click
Carries VEM6075 UVA and UVB light sensor. With a photodiode, amplifiers, analog/digital circuits.
MSRP – $19

UV 3 Click
An advanced ultraviolet (UV) light sensor with VEM6070 UVA light sensor.
MSRP – $9

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

Water Detect Click
For detecting water and other electroconductive liquids. Carries Microchip's MCP606.
MSRP – $9

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

Angle Click
Hall-effect angle sensing device used to measure the rotational angle of the magnetic field.
MSRP – $22

Thermo J Click
It is a temperature measurement Click board™, which uses a thermocouple type-J probe.
MSRP – $26

DHT22 2 Click
It is used for measuring the environmental temperature and relative humidity.
MSRP – $26

IrDA 3 Click
Intelligent IR transceiver device that sends and receives UART commands via the IR interface.
MSRP – $25

Microwave Click
It detects movement, thanks to the PD-V11 a 24GHz microwave motion sensor.
MSRP – $26
Proximity 3 Click
Intelligent proximity and light sensing device - high sensitivity long distance PS and ALS.
MSRP – $17.00
Mikroe-2684

Proximity 6 Click
Features the VCN-L4035X01 J, a fully integrated proximity and ambient light sensor.
MSRP – $29.00
Mikroe-3048

Hall current 2 Click
A Hall effect linear current sensor with over-current fault output for less than 100 V isolation App.
MSRP – $18.00
Mikroe-2867

UV 4 Click
Equipped with the Si1133, a UV index and ambient light sensor with I2C Interface, from Silicon Labs.
MSRP – $15.00
Mikroe-2569

Temp&Hum Click
With HTS221 temp. and relative humidity sensor. Measurement accuracy is ±1°C in 0-60°C range.
MSRP – $16.00
Mikroe-1972

Temp&Hum 2 Click
Uses the Si7034, a digital humidity and temperature sensor IC with I2C Interface, from Silicon Labs.
MSRP – $15.00
Mikroe-1971

Temp-Hum 3 Click
Uses the HDC2010, a Low Power Humidity and Temperature Digital Sensor from Texas Instruments.
MSRP – $13.00
Mikroe-2537

Temp-Hum 4 Click
A smart environmental temp. and humidity sensor, uses HDC1010 sensor from Texas Instruments.
MSRP – $13.00
Mikroe-2538

Proximity 5 Click
Features the ADUX1020, a photometric sensor for gesture and proximity detection.
MSRP – $29.00
Mikroe-3048

Alcohol Click
Detects alcohol in concentrations from 0.04 to 4mg/l with Q-3 Semiconductor sensor.
MSRP – $15.00
Mikroe-2861

Temp-Log Click
A precise ambient temp. measurement device, with 8Kbit (1024 bytes) of EEPROM memory.
MSRP – $15.00
Mikroe-2564

Temp-Log 2 Click
Features the MEMSIC MMC34160PJ, a 3-axis magnetic sensor IC.
MSRP – $16.00
Mikroe-2561

Magneto 5 Click
Features the TCS3472 color light to digital converter with IR filter, from AMS.
MSRP – $15.00
Mikroe-2562

Color 6 Click
Features the AS73211, an XYZ true color sensor from AMS.
MSRP – $32.00
Mikroe-2564

Color 7 Click
Features the TCS3472 color light to digital converter with IR filter, from AMS.
MSRP – $16.00
Mikroe-2561

Ambient Click
With MLX75305 IC, CMOS integrated optical sensor. Converts ambient light intensity into voltage.
MSRP – $9.00
Mikroe-1600

UV 4 Click
Equipped with the Si1133, a UV index and ambient light sensor with I2C Interface, from Silicon Labs.
MSRP – $15.00
Mikroe-2569

Temp-Hum 4 Click
A precise ambient temp. measurement device, with the non-volatile (EEPROM) memory.
MSRP – $16.00
Mikroe-1972

Temp-Hum 3 Click
A Hall effect linear current sensor with over-current fault output for less than 100 V isolation App.
MSRP – $18.00
Mikroe-2867

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Uses the Si7034, a digital humidity and temperature sensor IC with I2C Interface, from Silicon Labs.
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Mikroe-1971

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Mikroe-2538

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MSRP – $16.00
Mikroe-2561

Color 6 Click
Features the AS73211, an XYZ true color sensor from AMS.
MSRP – $32.00
Mikroe-2564

Ambient Click
With MLX75305 IC, CMOS integrated optical sensor. Converts ambient light intensity into voltage.
MSRP – $9.00
Mikroe-1600
ECG 3 Click
Uses the MAX30003 IC, an ultra-low power, single channel, integrated biopotential AFE.
MSRP – $45
Mikroe-3273

Ambient 4 Click
With the monolithic vacuum sensor the MPXV6115V, it measures pressure values down to -115kPa.
MSRP – $43
Mikroe-3195

3D HALL 5 Click
Uses the BH1721FVC, a 16-bit digital light sensor with the I2C serial interface.
MSRP – $16
Mikroe-3199

Color 8 Click
Carries the IIS2MDC-TR, a low power 3D magnetic sensor.
MSRP – $15
Mikroe-3197

Accel 7 Click
Features the RHOM’s BH1749NUC, an integrated color sensor IC.
MSRP – $15
Mikroe-3213

Alcohol 3 Click
Equipped with the MiCS-5524, a compact metal oxide (MOS) sensor.
MSRP – $32
Mikroe-3318

Altitude 3 Click
Allows high-resolution barometric pressure measurement, with the ICP-10100 sensor.
MSRP – $15
Mikroe-3318

Angle 2 Click
A magnetic rotational sensor which relies on the ultra-fast MA700 angular sensor IC.
MSRP – $18
Mikroe-2338

Vacuum Click
With the monolithic vacuum sensor the MPXV6115V, it measures pressure values down to -115kPa.
MSRP – $43
Mikroe-3195

Gyro 2 Click
It is equipped with the FXAS21002C, a three-axis integrated angular rate gyroscope.
MSRP – $18
Mikroe-3190

Heart rate 6 Click
With two green LEDs, driven by the BH1790GLC, a monolithic integrated sensor for heart rate monitoring.
MSRP – $25
Mikroe-3215

IR Grid 3 Click
Equipped with the MLX90640-BAA, a 32x24 IR array sensor, from Melexis.
MSRP – $87
Mikroe-3217

Ambient 2 Click
The BM4A280, a 14bit triaxial acceleration sensor with intelligent on-chip motion triggered interrupt controller.
MSRP – $17
Mikroe-3075

Accel 6 Click
Uses the MS5607-02BA03, a barometric pressure sensor IC with the stainless steel cap.
MSRP – $15
Mikroe-3038

Altitude 2 Click
Pressure 4 Click
Features the BMP280, a digital pressure sensor, from Bosch Sensortech.
MSRP – $18
Mikroe-2338

Pressure 4 Click
Features the BMP280, a digital pressure sensor, from Bosch Sensortech.
MSRP – $18
Mikroe-2338
The LMP91000, a high-precision integrated analog front-end IC (AFE).

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

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

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

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

With the SPEC amperometric, 3SP CO1000 gas sensor which electrochemically reacts with the CO.

With the AEAT-88000-Q24, an integrated 10 to 16-bit programmable angular magnetic encoder.

Features an ultra-low power triaxial accelerometer sensor, labeled as the BMA400.

Measures an accurate distance based on a ToF with VL53L1X rangefinder module.

With the HX711, a 24-bit analog to digital converter (ADC), for weight scale applications.

Detects movement by utilizing the NJR4265RF2C1, an intelligent 24GHz microwave motion sensor.

Measures the magnetic field in three perpendicular axes.

It is equipped with the MLX90640, a 32x24 IR array sensor which contains 8 Kbit EEPROM.
Thermo 15 Click
The NCT75, a high accuracy temp. sensor IC with the 2-Wire interface, from ON Semiconductor.

Magnetic rotary Click Pedometer
The AS5311, a high resolution magnetic linear encoder by ams.

MAGNETO 4 Click
The ASS311, a high resolution magnetic linear encoder by ams.

MAGNETO 7 Click
The BM1422AGMV, a 3-axis magnetic sensor IC from ROHM Semiconductor.

3D Hall 3 Click
The LIS2MDL, a low power 3D magnetic sensor, from STMicroelectronics.

3D Hall 7 Click
The AK0997DN, a low power 3D magnetic sensor, from AsahiKASEI [AKM].

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 acceleration sensor IC.

Temp&Hum 5 Click
The HIH6130, a relative humidity and temp. sensor with I²C Interface, by Honeywell.

Temp&Hum 9 Click
The SHTC3, a relative humidity and temp. sensor with I²C Interface, by Sensirion.

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.
Pressure 6 Click
Allows readings in the range from 300hPa up to 1300hPa, with the BM1386GLV sensor.
MSRP – $18
M1KROE-3216

Temp&Hum 6 Click
With the ENS210 sensor. An ultra-accurate temperature and relative humidity sensor (RH).
MSRP – $12
M1KROE-3270

Temp&Hum 7 Click
Equipped with the Si7021-A20, an accurate and reliable sensor IC.
MSRP – $16
M1KROE-3272

Temp&Hum 8 Click
Equipped with the RB-441-45, a 45° rolling ball sensor switch.
MSRP – $19
M1KROE-3263

Tilt 2 Click
Features an digital barometric pressure and temperature sensor labeled as MS5837.
MSRP – $15
M1KROE-3269

Temp-Log 3 Click
Featuring the MCP9843 IC, an accurate temperature sensor IC with integrated EEPROM.
MSRP – $12
M1KROE-3326

Temp-Log 4 Click
Featuring the SE97B IC, an accurate temperature sensor IC with integrated EEPROM.
MSRP – $12
M1KROE-3329

Hall Current 4 Click
Designed to measure relatively high current by using the integrated ACS70331 sensor.
MSRP – $18
M1KROE-3308

Pressure 7 Click
Features an digital barometric pressure and temperature sensor labeled as MS5837.
MSRP – $15
M1KROE-3246

Remote Temp Click
The EMC1833 from Microchip, a specifically designed IC, measuring remote temperature.
MSRP – $15
M1KROE-3248

Gyro 3 Click
With the I3G4250, a three-axis digital gyroscope.
MSRP – $25
M1KROE-3310

Gyro 4 Click
A two-axis MEMS gyroscope for optical image stabilization app. with the L20G2015.
MSRP – $15
M1KROE-3312

Gyro 5 Click
Equipped with the ITG-3701, a three-axis digital gyroscope.
MSRP – $20
M1KROE-3661

Thermo 11 Click
The TMP117, a high accuracy temp. sensor IC with the 2-Wire interface, from TI.
MSRP – $12
M1KROE-3602

Thermo 12 Click
The ADT7420, a highly-integrated system-on-chip (SoC), based on SDNAR principle.
MSRP – $29
M1KROE-3302

Thermo 11 Click
The TMP117, a high accuracy temp. sensor IC with the 2-Wire interface, from TI.
MSRP – $12
M1KROE-3602

Thermo 12 Click
The ADT7420, a highly-integrated system-on-chip (SoC), based on SDNAR principle.
MSRP – $29
M1KROE-3302
The AK09970N, a low-power 3D magnetic sensor, from AsahiKASEI (AKM).

The LPS35HW, an absolute digital output barometer IC in water-resistant package.

Contains the STP201M module, made by NiceRF.

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

The VCNL4040, a fully integrated proximity and ambient light sensor from Vishay Semiconductors.

The BMD101, specialized bio-signal sensing System-on-Chip (SoC), from NeuroSky.

The ISM330DLC, a 3D accel. and 3D gyro. with digital output for industrial applications, by STMicroelectronics.

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

The AD8232, an integrated heart rate monitoring front-end, by Analog Devices.

The ACS733(KLATOR-AU), a Hall effect linear current sensor from Allegro Microsystems.

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

The G6D series PCB power relay, from Omron.

The ACS723(LLCTR-05AB-T), a high-accuracy, galvanically isolated current sensor IC, from Allegro Microsystems.

The ACS723(LLCTR-05AB-T), a high-accuracy, galvanically isolated current sensor IC, from Allegro Microsystems.
Ambient 3 Click
The AS7225, a calibrated XYZ chromatic smart lighting director from ams AG.
MSRP – $25
Mouser: 3686

Ambient 5 Click
The VEML6030, a high accuracy ambient light sensor (ALS), from Vishay Semiconductors.
MSRP – $11
Mouser: 3320

Ambient 6 Click
The AS5311, a high resolution magnetic linear encoder by ams.
MSRP – $9
Mouser: 3441

Ambient 7 Click
The SFH 5701 A01, an accurate light-intensity sensor from Osram Opto Semiconductors.
MSRP – $9
Mouser: 3601

Ambient 8 Click
The LTR-329ALS-01, a high accuracy ambient light sensor (ALS) from LiteOn.
MSRP – $9
Mouser: 3452

Accel 8 Click
The MPU6050, a motion tracking sensor IC, from TDK InvenSense.
MSRP – $61
Mouser: 3451

Accel 11 Click
The BMA456, a digital triaxial acceleration sensor from Bosch Sensortech.
MSRP – $9
Mouser: 3464

Pressure 5 Click
The BMP388, a digital pressure sensor, from Bosch Sensortech.
MSRP – $14
Mouser: 3566

Pressure 8 Click
The MPRLS0025PA0001A, an accurate compensated pressure sensor, by Honeywell.
MSRP – $21
Mouser: 2338

Pressure 9 Click
The DPS422, a digital barometric air pressure sensor, by Infineon.
MSRP – $15
Mouser: 2441

Pressure 11 Click
The LPS33HW, digital output barometer IC in water-resistant package, from STMicroelectronics.
MSRP – $24
Mouser: 3441

Pressure 12 Click
The ABP series gauge pressure sensor ABPLLNN600MGA3, made by Honeywell.
MSRP – $27
Mouser: 3475

Presence Click
The TPUS 1S 1385, a device from CalPiLe™ multi-function IR sensor series by Excelitas Technologies.
MSRP – $27
Mouser: 3310

Proximity 7 Click
The ADPS9930, a digital ambient and proximity sensor, by Broadcom (Avago Technologies).
MSRP – $11
Mouser: 3330

Proximity 8 Click
The VCNL36687S, a proximity sensor with VCSEL in a single package, from Vishay.
MSRP – $13
Mouser: 3433
The AS7225, a calibrated XYZ chromatic smart lighting director with UART and I2C interfaces.

MSRP – $25
MIKROE-3687

The MCR1101-20-5 current sensor, which is an AMR based integrated current sensor.

MSRP – $15
MIKROE-3510

The APDS-9250, an integrated color sensor IC, made by Broadcom.

MSRP – $12
MIKROE-3690

With PIC16F1779 8-bit MCU and SFH 7080 heart rate and pulse oximetry monitoring sensor.

MSRP – $19
MIKROE-3622

The KMX63 a tri-axis accelerometer, tri-axis magnetometer, and temp. sensor.

MSRP – $21
MIKROE-3689

With the MiCS-2714, a compact metal oxide (MOx) sensor.

MSRP – $12
MIKROE-3742

The TCUT1800X01 sensor is equipped with one infrared LED with the wavelength of 950nm.

MSRP – $27
MIKROE-3516

The PL-N823-01 – a PL Pyroelectric Infrared Sensors from KEMET.

MSRP – $17
MIKROE-3742

The BME680 is a digital 4-in-1 sensor with gas, humidity, pressure and temp. measurement.

MSRP – $35
MIKROE-3686

The BME680 is a digital 4-in-1 sensor with VOC, humidity, pressure and temp. measurement.

MSRP – $42
MIKROE-3687

The ICM-20649, a high-performance, 6-axis MEMS MotionTracking™ IC from TDK Invensense.

MSRP – $18
MIKROE-3776

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

MSRP – $23
MIKROE-3869

The KMX63 a tri-axis accelerometer, tri-axis magnetometer, and temp. sensor.

MSRP – $25
MIKROE-3700

With the MLX90380, a monolithic contactless sensor IC module.

MSRP – $19
MIKROE-3776

The ICM-20649, a high-performance, 6-axis MEMS MotionTracking™ IC from TDK Invensense.

MSRP – $25
MIKROE-3776
The MAX3237E, a 3V to 5.5V multichannel RS232, 1 Mbit/s line driver/receiver from Texas Instruments.

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

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

Microchip’s ATA663211 Click provides isolated CAN communication. Data rates of up to 1 Mbps. Carries a DB 9-pin male connector.

Microchip’s ATA6563 Click. LIN transceiver IC designed to handle low-speed data communication in applications.

Microchip’s ATA6632 Click. Adds CAN connectivity with SPI interface. Features SN65HVD230 CAN transceiver circuit.

Microchip’s AT42T2627 Click. Provides isolated CAN communication. Data rates of up to 1 Mbps. Carries a DB 9-pin male connector.

Microchip’s AT42T2607 Click. Adds CAN connectivity with SPI interface. Features MCP2551 CAN transceiver circuit.

DALI Click. Provides Digital Lighting Interface. With two optocouplers, push button, screw terminal.
**ETH Click**
With ENC28J60, a 28-pin, 10BASE-T stand-alone Ethernet controller with an on-board MAC & PHY.

MSRP – $24
MKRG0-971

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

MSRP – $19
MKRG0-1718

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

MSRP – $12
MKRG0-951

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

MSRP – $19
MKRG0-1838

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

MSRP – $19
MKRG0-1874

**EXPAND 4 Click**
Port expander for high power peripherals with TPCIC6A595 power logic 8-bit register.

MSRP – $19
MKRG0-1910

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

MSRP – $69
MKRG0-2790

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

MSRP – $13
MKRG0-2810

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

MSRP – $15
MKRG0-1582

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

MSRP – $13
MKRG0-1960

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

MSRP – $13
MKRG0-1204

**USB UART 2 Click**
Provides USB isolation and carries the AD-UM4160BRWZ USB port isolator.

MSRP – $13
MKRG0-2674

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

MSRP – $13
MKRG0-1203

**ATA663254 Click**
It is a fully integrated LIN transceiver device with an integrated 5V LCD voltage regulator.

MSRP – $16
MKRG0-2672

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

MSRP – $9
MKRG0-2452

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

MSRP – $9
MKRG0-2010
Fiber Opt Click
Adds fiber-optic communication with IF-D91 fiber-optic photodiode, IF-E97 fiber-optic LED diode.
MSRP – $34.00
MIKROE-1940

FTDI Click
With FT2232H - dual high speed USB 2.0 to UART/I2C/SPI serial interface converter.
MSRP – $29.00
MIKROE-1421

I2C 1-Wire Click
Performs bidirectional conversions between I2C masters and 1-Wire slave devices with DS2482-800.
MSRP – $18.00
MIKROE-2609

I2C Isolator Click
TI’s ISO1540, a low-power, bidirectional isolator compatible with I2C interfaces.
MSRP – $24.00
MIKROE-2228

I2C Isolator 2 Click
Provides I2C lines and power isolation for slave devices with ADM3260 dual I2C isolator.
MSRP – $18.00
MIKROE-2609

MCP2003B Click
It’s a physical interface to automotive and industrial LIN systems with a bi-directional LIN transceiver.
MSRP – $18.00
MIKROE-2227

MCP2517FD Click
Carries MAX3471 half-duplex transceiver for lithium battery-powered RS-485/RS-422 applications.
MSRP – $18.00
MIKROE-989

MCP2542 Click
Microchip’s CAN FD Transceiver with Wake-Up Pattern. Compliant with CAN 2.0 and CAN FD.
MSRP – $20.00
MIKROE-2299

MCP25625 Click
With CAN controller with an integrated transceiver from Texas Instruments.
MSRP – $24.00
MIKROE-2028

RS485 Click 3.3V
Carries SN-65HVD12 half-duplex, RS-485 transceiver from Texas Instruments.
MSRP – $18.00
MIKROE-999

RS485 Click 5V
Carries SN-65HVD12 half-duplex, RS-485 transceiver from Texas Instruments.
MSRP – $9.00
MIKROE-2576

PS/2 Click
Adds keyboard and mouse connectivity. With a standard 6-pin Mini-DIN PS/2 connector.
MSRP – $18.00
MIKROE-1576

PWM Click
For controlling 16 PWM outputs through a single I2C interface. With PCA9685PW IC.
MSRP – $29.00
MIKROE-2583

RS485 Isolator Click
Carries ADuM4154 5kV digital isolator optimized for a serial peripheral interface (SPI).
MSRP – $49.00
MIKROE-2678

PWM Click
With ADM2682EBRIZ, a 5 kV RMS signal and power isolated RS-485 transceiver.
MSRP – $49.00
MIKROE-2678
**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[^5]
MKROE-2672

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

MSRP – $23[^6]
MKROE-2900

**Dual LIN Click**
It's a dual transceiver for LIN with the TLE-7268SKXUMA1 from Infineon.

MSRP – $7[^7]
MKROE-3870

**eINK Click – WD**
Click board adapter for connection of the e-paper displays to the MCU over SPI interface.

MSRP – $7[^7]
MKROE-3870

**I2C to SPI Click**
It's based around two SC18IS028, an I2C-bus to SPI bridge from NXP.

MSRP – $12[^8]
MKROE-3743

**LIN Click**
It's the TLE7259-3GE, LIN transceiver with integrated wake-up and protection features.

MSRP – $12[^8]
MKROE-3743

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

MSRP – $24[^9]
MKROE-2239

**UART MUX Click**
It's the SN74LV4052A, a Dual 4-Channel Multiplexer and Demultiplexer.

MSRP – $7[^10]
MKROE-3870

**RS232 SPI Click**
It's a SPI to RS232 interface converter with two ICs – MAX3100 and MAX3232.

MSRP – $2[^11]
MKROE-3912

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

MSRP – $24[^12]
MKROE-1659

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

MSRP – $29[^13]
MKROE-2585

**OLED W Click**
Carries a 96x39px white monochrome passive matrix OLED display.

MSRP – $24[^12]
MKROE-1649

**LCD mini Click**
Displays 2x16 monochrome characters on an LMB162XFW LCD display.

MSRP – $19[^14]
MKROE-2453

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

MSRP – $35[^15]
MKROE-1366

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

MSRP – $17
MKSREF – 3109

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

MSRP – $32
MKSREF – 2520

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

MSRP – $15
MKSREF – 2684

4X4 RGB Click
With a matrix of 16 WS2812 RGB LEDs a MCP1826 low dropout regulator.

MSRP – $19
MKSREF – 1881

7–SEG RGB Click
Carries a full color single 7 segment digit display, 16,581,375 color combinations.

MSRP – $29
MKSREF – 2734

Carries a full color single 7 segment digit display.

MSRP – $34
MKSREF – 1881

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

MSRP – $15
MKSREF – 2520

MSRP – $15
MKSREF – 2684

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

MSRP – $15
MKSREF – 2705

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

MSRP – $15
MKSREF – 2705

7x10 B Click
With a matrix of 70 blue LEDs driven by a pair of 8-bit serial-in, parallel-out shift registers.

MSRP – $10
MKSREF – 1201

MSRP – $15
MKSREF – 2789

7seg Click
2-digit seven-seg display. With two 74HC595 8-bit serial-in, parallel-out shift registers.

MSRP – $10
MKSREF – 1201

MSRP – $15
MKSREF – 2789

7x10 G Click
With a matrix of 70 red LEDs driven by a pair of 8-bit serial-in, parallel-out shift registers.

MSRP – $17
MKSREF – 3109

MSRP – $15
MKSREF – 2684

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

MSRP – $15
MKSREF – 2705

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

MSRP – $15
MKSREF – 2705

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

MSRP – $17
MKSREF – 3109

MSRP – $15
MKSREF – 2684

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

MSRP – $17
MKSREF – 3109

MSRP – $15
MKSREF – 2684
**Display & LED**

**BIG 7-SEG R Click**
With SC10-21SR- WA seven-segment display and parallel-OUT shift register 74HC595.
MSRP – $19[^1]
MkrOE-2069

**eINK Click**
With an adapter for connecting eINK displays, with a 24pin ribbon cable.
MSRP – $59[^2]
MkrOE-2069

**EVE Click**
Brings visually stunning graphics even to 8-bit MCUs, with FT800Q graphics controller.
MSRP – $39[^3]
MkrOE-2410

**Matrix G Click**
Matrix text display with two green 5x7 matrices and two MAX7219 8-bit LED display drivers.
MSRP – $29[^4]
MkrOE-2410

**LED Flash Click**
Functions as a high power LED flash, and carries the CAT3224 flash LED driver.
MSRP – $39[^5]
MkrOE-2410

**LED Flash 2 Click**
It is a powerful flash/torch Click, featuring the MiC2870 from Microchip.
MSRP – $19[^6]
MkrOE-2830

**Led ring R Click**
With a ring of 32 red LEDs driven by four 74HC595 serial-in, parallel-out shift registers.
MSRP – $15[^7]
MkrOE-2153

**AlphaNum R Click**
With a dual character red LED 14-segment display and two TLCS926 16-bit shift registers.
MSRP – $19[^8]
MkrOE-2069

**AlphaNum G Click**
With a dual character green LED 14-segment display and two TLCS926 16-bit shift registers.
MSRP – $15[^9]
MkrOE-2069

**Matrix R Click**
Matrix text display with two red 5x7 matrices and two MAX7219 8-bit LED display drivers.
MSRP – $29[^10]
MkrOE-2245

**4Dot-Matrix R Click**
Displays 4 char. of 5x7 dot size. With SL2016 module and MCP23017 I2C port expander.
MkrOE-2706

**UT-L 7-SEG R Click**
With two SMD ultra-thin LED 7-SEG displays and MAX6969 constant-current LED driver.
MSRP – $29[^12]
MkrOE-2706

**UT-M 7-SEG R Click**
Add a double 7 segment display to your next project. RED emitting color.
MSRP – $20[^13]
MkrOE-2740

**UT-S 7-SEG R Click**
For displaying characters on two 7 segment displays. RED emitting color.
MSRP – $20[^14]
MkrOE-2740

**OLED Switch Click**
With NKK Switch IS-C1SNP4 that combines a switch and a full color organic LED display.
MSRP – $99[^15]
MkrOE-2449

**BarGraph 2 Click**
The 74HC595, 8-bit serial-in, parallel-out shift registers with output latches.
MSRP – $19[^16]
MkrOE-3021
The NCP5623B, a triple output RGB LED driver, controlled via the I2C interface, from ON Semiconductors.

The TPS54200, a synchronous buck converter designed to drive monochrome, color, and IR LED arrays by TI.

The AL1781, a single-channel PWM dimmable linear LED driver by Diodes Incorporated.

The LS013B7DH03 LCD has an active-matrix memory liquid crystal display module with 128 x 128 panel.

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

The Click carries an LS7366R 32-bit quadrature counter.

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

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

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

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

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

Equipped with SDS001, a low profile side-actuated detect switch.
mikroSDK – MikroElektronika SOFTWARE DEVELOPMENT KIT

Click Boards

Development Boards

Compilers

mikroC

mikroBasic

mikroPascal

FT90x

ARM

PIC

dsPIC

AVR

PIC32

OTHER
ROTARY B Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 blue LEDs.
MSRP – $12
MKRGE-1825

ROTARY G Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 green LEDs.
MSRP – $12
MKRGE-1822

ROTARY O Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 orange LEDs.
MSRP – $12
MKRGE-1823

ROTARY R Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 red LEDs.
MSRP – $12
MKRGE-1824

ROTARY Y Click
With a 15-pulse incremental rotary encoder with detents, surrounded by a ring of 16 yellow LEDs.
MSRP – $12
MKRGE-1826

Button PLAY Click
It is equipped with the CTHS15CIC05ARROW, a capacitive touch sensor display.
MSRP – $21
MKRGE-3327

Knob G Click
Combination of high-quality quadrature rotary encoder, and a LED ring of 24 individual green LEDs.
MSRP – $17
MKRGE-3299

FRAM Click
256K (32,768 words x 8 bits) of Ferroelectric Random Access Memory with MB85RS256A module.
MSRP – $15
MKRGE-1486

Tamper 2 Click
Levered D2HW-A221D switch. Outputs signal in both positions - pressed and released.
MSRP – $15
MKRGE-2552

Thumb wheel Click
With a 10-position rotary sprocket connected to a 1-Wire 8-Channel Addressable Switch.
MSRP – $29
MKRGE-2366

TouchClamp Click
With NXP’s MPR121 proximity capacitive touch sensor controller. 7 plated holes for clamps.
MSRP – $9
MKRGE-2294

Thumbstick Click
A high precision input device with a dual axis, spring return and push-button enabled joystick.
MSRP – $20
MKRGE-1627

Touchpad Click
Capacitive touch input device driven by Microchip’s MTCH6102 controller.
MSRP – $12
MKRGE-1995

TouchKey Click
It has four capacitive pads powered by TTP224, a touchpad detector IC.
MSRP – $12
MKRGE-1906

Keylock 2 Click
Uses SK13AEG13 switch keylock from the company NKK Switches.
MSRP – $28
MKRGE-3402

POT Click
The MCP1501, a precision voltage reference IC from Microchip.
MSRP – $12
MKRGE-3471
The IQS621, a multi-functional sensor with the ambient light (ALS) from Azoteq.

MSRP – $9 00

MSKOE-3205

TouchKey 2 Click
A capacitive touch sensing button, which features the CAP1166.

MSRP – $15 00

MSKOE-3202

TouchKey 3 Click
Equipped with advanced capacitive sensors, based on the proprietary QTouch® technology.

MSRP – $19 00

MSKOE-2405

TouchKey 4 Click
A capacitive touch sensing button, with the advanced touch/proximity sensor IC.

MSRP – $15 00

MSKOE-2965

Cap Touch Click
The KMR2 series KMR221 tactile buttons are high-quality SPST switches produced by CKSwitches.

MSRP – $9 00

MSKOE-2969

Button Y Click
Designed with the high-quality single-pole, single-throw (SPST) tactile switch labeled as 3006.2111.

MSRP – $9 00

MSKOE-3206

Button ALARM Click
With the CTHS15CIC05ALARM, a capacitive touch sensor display.

MSRP – $21 00

MSKOE-3763

Button Power Click
With the CTHS15CIC050NOFF, a capacitive touch sensor display.

MSRP – $19 00

MSKOE-3760

Cap Touch 5 Click
Features the CY-8CMR3106S-LQXI CapSense® Express™ controller.

MSRP – $15 00

MSKOE-3786
Joystick 2 Click
With a SKRHABE01, a 4-direction joystick switch with Center-push Function.
MSRP – $15
Mikroe-3711

Power/Reset Click
IT's the QT1011, digital burst mode charge-transfer sensor – detects near proximity or touch.
MSRP – $7
Mikroe-3771

Vibro Motor 2 Click
With the ERM motor. Uses the DG3420U MOSFET to drive it.
MSRP – $10
Mikroe-3713

Flash 3 Click
With ISSI’s IS25L128 IC with 128 Mbit capacity. 50MHz at Normal, 133MHz at Fast Read speeds.
MSRP – $12
Mikroe-2374

Flash 4 Click
Carries the SSFL512S, a 512 Mbit SPI Flash memory module.
MSRP – $25
Mikroe-3191

Excelon-LP Click
Carries the CY15B108Q, a serial ferro-electric (FRAM) module with 8 Mbit density.
MSRP – $25
Mikroe-3204

MAC Address Click
A unique node address. Carries 24AA025E64 2Kb Serial EEPROM with EUI-64™ node identity.
MSRP – $9
Mikroe-2733

FRAM 2 Click
With CY15B104Q 4-Mbit (512K x 8) serial F-RAM from Cypress. 100 trillion (10^14) read/writes.
MSRP – $15
Mikroe-2768

EEPROM Click
With 24C08WP – a highly reliable, high-performance CMOS technology serial 8K EEPROM.
MSRP – $8
Mikroe-1208

EEPROM 2 Click
With M95M02-DR DIP-8 socket EEPROM chip with 256 KB of memory from STMicroelectronics.
MSRP – $8
Mikroe-1809

EEPROM 3 Click
With AT24CM02 DIP-8 socket EEPROM chip with 256 KB of memory from Microchip.
MSRP – $1
Mikroe-2704

Flash 3 Click
Carries the 256M128N, a 16Kbit SRAM with EEPROM Backup from Microchip.
MSRP – $1
Mikroe-2704

Flash 4 Click
Carries the EN25Q80B, a serial Flash memory module. Clock frequency up to 75MHz.
MSRP – $1
Mikroe-1189

microSD Click
With a microSD card slot for microSD cards used as a mass storage media for portable devices.
MSRP – $1
Mikroe-524

EERAM 3.3V Click
With 47L16 EERAM, a 16Kbit SRAM with EEPROM Backup from Microchip.
MSRP – $1
Mikroe-3230

EERAM 5V Click
With 47C16 EERAM, a 16Kbit SRAM with EEPROM Backup from Microchip.
MSRP – $1
Mikroe-2704

Flash Click
It carries Microchip’s SST26VF064B flash-memory module with 64 Mbits capacity.
MSRP – $1
Mikroe-2067

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

**MSRP** – $18

**MRR0E**-2914

### Dual EE Click
Contains 2 EEPROM ICs onboard – the AT24CM02, an I2C serial EEPROM.

**MSRP** – $18

**MRR0E**-2762

### Flash 5 Click
Based on the W25N01GV2EIG/IT [16-bit] Serial SLC NAND Flash Memory.

**MSRP** – $9

**MRR0E**-3760

### Fram 3 Click
Uses the MB94R330, which is an FRAM [Ferroelectric Random Access Memory].

**MSRP** – $9

**MRR0E**-3817

### Semper Flash Click
Uses the MB94R330, which is an FRAM [Ferroelectric Random Access Memory].

**MSRP** – $25

**MRR0E**-3823

### SRAM Click
Provides 1 Mbit of additional SRAM memory, via Microchip’s 23LC1024.

**MSRP** – $15

**MRR0E**-2914

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

**MSRP** – $13

**MRR0E**-2914

### ReRAM Click
Resistive Random Access Memory module which contains the cell array with 4 Mbits of data.

**MSRP** – $18

**MRR0E**-2914

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

**MSRP** – $9

**MRR0E**-2522

### Secure 2 Click
Microchip’s ATAES132A, a cryptographic coprocessor with secure hardware-based key storage.

**MSRP** – $9

**MRR0E**-2762

### Secure 3 Click
Microchip’s ATSHA204A, a cryptographic coprocessor with secure hardware-based key storage.

**MSRP** – $9

**MRR0E**-2762

### Secure 4 Click
Includes the ATECC608A, a secure CryptoAuthentication™ device from Microchip.

**MSRP** – $9

**MRR0E**-2823

### Secure 5 Click

**MSRP** – $6

**MRR0E**-2823

### Secure 6 Click
The ATSHA204A integrates ECDH [Elliptic Curve Diffie Hellman] security protocol.

**MSRP** – $6

**MRR0E**-2823

### Secure 7 Click

**MSRP** – $6

**MRR0E**-2823

### EEPROM 4 Click
An EEPROM memory medium with the capacity of 256KB.

**MSRP** – $15

**MRR0E**-2914
The 08QN50L43020 is an universal socket that supports basically any 8-pin UDFN device. It’s an universal socket that supports any Microchip security SOIC IC device.

Secure SOIC Click
It’s an universal socket that supports any Microchip security SOIC IC device.

Secure UDFN Click
The 08QN50L43020 is an universal socket that supports basically any 8-pin UDFN device.

Relay 3 Click
It features two SRD-05VDC-SL-C small-size relays, from Songle Relays.

Opto 3 Click
It features two pairs of normally opened, solid-state relays labeled as TLP241A, by Toshiba.

Opto 4 Click
The LTV-817S, an optocoupler with a high isolation voltage, by LITEON.

Opto Click
It features two VO2630 dual channel, high speed optocoupler modules.

RELAY Click
With two GBD1AAS-150VAC/DC power PCB relay modules. Controls up to 5A, 250V AC/30V DC loads.
**Brushless 6 Click**
Designed to drive a three-phase sensorless, brushless motor. With ATmega8A from Microchip.
MSRP – $27.00
Mikroe-2847

**Fan 3 Click**
Perfect solution for speed control. It can operate in seven discrete speed steps.
MSRP – $17.00
Mikroe-2841

**Vibro Motor Click**
Features a compact size Eccentric Rotating Mass (ERM) motor, labeled as C1026B002F.
MSRP – $12.00
Mikroe-2826

**DC Motor 8 Click**
The MIC4605, 85V half-bridge MOSFET driver with adaptive dead time and shoot-through protection.
MSRP – $18.00
Mikroe-2893

**Stepper 7 Click**
MTS62C19A Dual Full-Bridge Motor Driver, MCP23S08 8bit I/O Expander with Serial Interface.
MSRP – $17.00
Mikroe-3012

**H-Bridge Click**
Uses the MC34933, a dual H-bridge driver, from NXP.
MSRP – $16.00
Mikroe-3000

**H-Bridge 2 Click**
Uses the MPC17510, an H-Bridge DC motor driver, with up to 15V and 1.2A, from NXP.
MSRP – $18.00
Mikroe-3019

**Brushless 4 Click**
The MCP8053, a 3 phase brushless sinusoidal sensorless motor driver, from Microchip.
MSRP – $19.00
Mikroe-3019

**Brushless 5 Click**
Uses the A4941, a three-phase sensorless fan driver IC, made by Allegro MicroSystems LLC.
MSRP – $19.00
Mikroe-3032

**Stepper 5 Click**
Uses the TM2208, a highly integrated bipolar step motor power driver, with the UART interface.
MSRP – $17.00
Mikroe-2824

**Driver Click**
The DRV777, an integrated motor and relay driver from Texas Instruments.
MSRP – $13.00
Mikroe-3100

**Servo Click**
A 16-channel PWM servo driver with the voltage sensing circuitry.
MSRP – $25.00
Mikroe-3129

**FAN 4 Click**
A two-wire fan driver. Utilizes the LTC1685, an I2C fan speed controller.
MSRP – $15.00
Mikroe-3099

**DC MOTOR 7 Click**
Advanced PWM chopper-type integrated DC motor driver, labeled as TB67H400ATG.
MSRP – $19.00
Mikroe-3090

**DC MOTOR 9 Click**
The DRV8871, a brushed DC motor driver, with internal current sensing, by Texas Instruments.
MSRP – $18.00
Mikroe-3416

**DC MOTOR 11 Click**
The DRV8830, a Low-Voltage Motor Driver With Serial Interface, by Texas Instruments.
MSRP – $15.00
Mikroe-3649
Toshiba’s TB6575F-NG IC for driving 3-phase full-wave Brushless DC motors.

It carries TI’s DRV10883 three-phase sensorless motor driver with integrated power MOSFETs.

With TI’s DRV8833RT-YH-Bridge motor driver and TI’s 74HC4053 multiplexer.

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

With Toshiba’s TB6549FG full-bridge driver for direct current motors. Up to 3.5A with 30V.

With Toshiba’s TB65047 microstepping motor driver. Required external power supply minimum 7V.

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

With MAX14870 brushed DC motor full-bridge gate driver. Operating voltage supply 5.9V-45V.

With Toshiba’s TB65047 microstepping motor driver. Required external power supply minimum 7V.

With A4988 microstepping motor driver. Required external power supply minimum 7V.

With With A4988 microstepping motor driver. Required external power supply minimum 7V.

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

With Toshiba’s TB65047 microstepping motor driver. Required external power supply minimum 7V.

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

With Toshiba’s TB65047 microstepping motor driver. Required external power supply minimum 7V.

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

With Toshiba’s TB65047 microstepping motor driver. Required external power supply minimum 7V.

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

With Toshiba’s TB65047 microstepping motor driver. Required external power supply minimum 7V.
The STSPIN220, a low voltage stepper motor driver by STMicroelectronics. MSRP – $17\textsuperscript{00}
MIKROE-3545

The STSPIN250, a brushed DC motor driver with the current limiting and current sensing. MSRP – $14\textsuperscript{00}
MIKROE-3543

The STSPIN820, an advanced stepper motor driver produced by STMicroelectronics. MSRP – $17\textsuperscript{00}
MIKROE-3544

The TLE9201SG, an H-Bridge DC motor driver, with up to 28V and 6A, from Infineon. MSRP – $18\textsuperscript{00}
MIKROE-3613

The TMC2660, a highly integrated bipolar step motor power driver, from the Trinamic company. MSRP – $27\textsuperscript{00}
MIKROE-3214

The TMC5130 - the universal high voltage controller/driver for 2-phase bipolar stepper motor. MSRP – $15\textsuperscript{00}
MIKROE-3736

The step motor driver IC is the MP6500, a dual full-bridge motor driver.

Contains the AP1010AEN, which is a two channel H-Bridge motor driver. MSRP – $15\textsuperscript{00}
MIKROE-3787

Contains the MP6515GF-Z, a H-bridge motor driver. MSRP – $15\textsuperscript{00}
MIKROE-3654

The step motor driver IC is the MP6500, a dual full-bridge motor driver. MSRP – $15\textsuperscript{00}
MIKROE-3736

The EMC2103 includes an RPM based Fan Speed Control Algorithm.

The DRV8886, a highly integrated bipolar step motor driver with current sensing, from TI. MSRP – $17\textsuperscript{00}
MIKROE-3879
2x20W Amp Click
Carries MAX9744 stereo class-D audio power amplifier from Maxim Integrated.
MSRP – $21
MKGSE-2779

2x5W AMP Click
Functions as an amplifier. With TDA7491LP 2x5-watt dual BTL class-D audio amplifier.
MSRP – $19
MKGSE-2477

AudioAmp Click
A mono audio amplifier. With TI’s LM48100Q-Q1 Boomer™ Mono, 1.3W Audio Power Amplifier IC.
MSRP – $8
MKGSE-2938

BUZZ Click
Features a piezo speaker capable of emitting audio signals. Resonant frequency 3.8 kHz. With CMT-8540S-SMT magnetic buzzer transducer. The buzzer’s resonant frequency is 4 kHz.
MSRP – $2
MKGSE-2454

BUZZ 2 Click
With 2 TI’s LM48100Q-Q1 Boomer™ single supply, mono, bridge-tied load amplifier ICs.
MSRP – $2
MKGSE-2708

StereoAmp Click
With 2 TI’s LM48100Q-Q1 Boomer™ single supply, stereo amplifier ICs.
MSRP – $15
MKGSE-2345

TextToSpeech Click
With S1V30120 speech synthesis IC powered by the Fonix DECtalk® v5 speech synthesis engine.
MSRP – $39
MKGSE-2853

GainAMP 2 Click
A 6-channel programmable gain amplifier. Amplifies up to 32x, in eight discrete steps.
MSRP – $15
MKGSE-2659

AUDIO & VOICE

SpeakUp Click
A speech recognition Click. Can recognize over 200 different voice commands.
MSRP – $39
MKGSE-3134

SpeakUp 2 Click
A speech recognition Click. Set it up to recognize up to 100 commands.
MSRP – $39
MKGSE-3275

AudioAmp 4 Click
With the LM4880, an audio amplifier IC capable of delivering up to 1W of continuous power to an 8Ω load.
MSRP – $17
MKGSE-3072

AudioMUX Click
Two-band digitally controlled high-quality audio processor with BASS ALC feat. and a 4-channel input selector.
MSRP – $49
MKGSE-3344

Audio Amp 5 Click
The TPA3138D2, an inductorless stereo class-D audio amplifier, from Texas Instruments.
MSRP – $12
MKGSE-3401

Audio Amp 6 Click
The TPA3138D2, a stereo class-D audio amplifier, from Texas Instruments.
MSRP – $17
MKGSE-3448

MIC 2 Click
The MCP6022, a dual, rail-to-rail, low noise operational amplifier from Microchip.
MSRP – $15
MKGSE-3445

Rec&Play Click
The ISD3900, a multi-message record and playback device with ChipCorder® technology, by Nuvoton.
MSRP – $45
MKGSE-3345

Carries MAX9744 stereo class-D audio power amplifier from Maxim Integrated.
RadioStation Click
With the Si4713-B30, the best in class integrated FM broadcast stereo transmitter.
MSRP – $25
MKSROE-2802

Noise Click
With noise detecting circuitry. Enables you to set a noise detection threshold.
MSRP – $29
MKSROE-2371

FM Click
Features Si4703 IC and functions as a FM radio tuner. Supports worldwide FM band (76–108 MHz).
MSRP – $15
MKSROE-2555

GainAMP Click
Carries LTC6912 channel, low noise, digitally programmable gain amplifier (PGA).
MSRP – $9
MKSROE-2563

Mic Click
With SPQ0410HR5H-B surface mount silicon microphone with max. RF protection.

MP3 Click
With a stereo MP3 decoder VS1053. Multiple formats (MP3, MP1, MP2, MPEG4, etc.).
MSRP – $21
MKSROE-3010

2x30W Amp Click
The TPA3128, 2x30-W class-D amplifier with low idle power dissipation, from TI.
MSRP – $23
MKSROE-3010

AudioAmp 2 Click
The TDA7491, a 20W dual BTL class-D audio amplifier IC, from STMicroelectronics.
MSRP – $21
MKSROE-3077

EVC Click
The PT2258, a six-channel electronic volume controller IC, by Princeton Technology Corp.
MSRP – $17
MKSROE-3358

AM/FM Click
Based on the Si4731 IC - digital CMOS AM/FM radio receiver from Silicon Labs.
MSRP – $49
MKSROE-3800

AudioAmp 3 Click
Based on the Si4731 IC - digital CMOS AM/FM radio receiver from Silicon Labs.
MSRP – $45
MKSROE-3801
<table>
<thead>
<tr>
<th>Name</th>
<th>MSRP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PIXI™ Click</strong></td>
<td></td>
<td>Features proprietary PIXI™ technology. Configurable 20-channel mixed-signal data converter.</td>
</tr>
<tr>
<td><strong>Slider Click</strong></td>
<td></td>
<td>Features a mechanical slide action potentiometer.</td>
</tr>
<tr>
<td><strong>LEM Click</strong></td>
<td>MSRP</td>
<td>Measures AC and DC current (up to 200 KHz). With LTS 6-1P current transducer.</td>
</tr>
<tr>
<td><strong>PAC1934 Click</strong></td>
<td></td>
<td>Carries PAC1934 four channel DC power/energy monitor from Microchip.</td>
</tr>
<tr>
<td><strong>V to Hz Click</strong></td>
<td></td>
<td>The TC9400, a voltage-to-frequency and frequency-to-voltage converter from Microchip.</td>
</tr>
<tr>
<td><strong>Hz to V Click</strong></td>
<td></td>
<td>The TC9400, a voltage-to-frequency and frequency-to-voltage converter from Microchip.</td>
</tr>
<tr>
<td><strong>ADC 7 Click</strong></td>
<td></td>
<td>The LTC2500-32. It is a 32-bit oversampling ADC with a configurable digital filter, from Analog Devices.</td>
</tr>
<tr>
<td><strong>Multimeter Click</strong></td>
<td></td>
<td>Has different ICs: amplifiers, NE555 timer, BCD decoder, frequency to voltage converter, and an A/D converter (ADC).</td>
</tr>
<tr>
<td><strong>AC Current Click</strong></td>
<td></td>
<td>Measure alternating currents up to 30A. MCP3201 ADC converter and MCP607 CMOS Op Amp.</td>
</tr>
<tr>
<td><strong>ADAC Click</strong></td>
<td>MSRP</td>
<td>It’s an 8-channel 12-bit ADC, DAC and 6P0. With AD5533R configurable ADC/DAC.</td>
</tr>
<tr>
<td><strong>ADC Click</strong></td>
<td></td>
<td>With Microchip’s MCP3204 12-bit Analog-to-Digital converter.</td>
</tr>
<tr>
<td><strong>ADC 6 Click</strong></td>
<td></td>
<td>With the AD7124-8, an 8 channel, low noise, low power, 24bit sigma-delta ADC.</td>
</tr>
<tr>
<td><strong>Hz to V 2 Click</strong></td>
<td></td>
<td>With the VFC32KU, a voltage-to-frequency and frequency-to-voltage converter.</td>
</tr>
<tr>
<td><strong>V to Hz 2 Click</strong></td>
<td></td>
<td>With the VFC32KU, a voltage-to-frequency and frequency-to-voltage converter.</td>
</tr>
</tbody>
</table>
Ammeter Click
With circuitry for measuring electric current (AC and DC). 0.1A-1A measurement range.
MSRP – $24.00
Mikroe-2377

C Meter Click
Circuitry for measuring the value of capacitors. Based on NE-555 timer/square-wave generator.
MSRP – $9.00
Mikroe-2376

Comparator Click
Carries LM2903 IC, has two independent precision voltage comparators. 2 mV offset voltage.
MSRP – $18.00
Mikroe-950

DAC Click
Includes a 12-bit Digital-to-Analog Converter MCP4921 form Microchip.
MSRP – $18.00
Mikroe-1918

DAC 2 Click
Carries LTC2601CDD, a 16-bit digital-to-analog converter from Linear Technology.
MSRP – $18.00
Mikroe-2038

DAC 3 Click
Carries Microchip’s MCP4726 IC, a 12-bit digital-to-analog converter.
MSRP – $18.00
Mikroe-2332

R Meter Click
With circuitry for measuring the value of resistors. A wide range of resistors (0-1 Mega Ohm).
MSRP – $18.00
Mikroe-2879

Voltmeter Click
For measuring voltage in an external electric circuit. Measures direct current (from 0 to 24V).
MSRP – $18.00
Mikroe-2436

ADC 2 Click
With MCP3551/3, a 22-bit ADC with automatic internal offset and gain calibration.
MSRP – $24.00
Mikroe-1893

ADC 3 Click
With Microchip’s MCP3428 16-bit multichannel analog-to-digital converter.
MSRP – $22.00
Mikroe-1894

ADC 4 Click
An advanced analog to digital multichannel converter. It can work in 16bit or 24bit mode.
MSRP – $24.00
Mikroe-2979

ADC 5 Click
With a low power, single channel 12-bit CMOS analog to digital converter.
MSRP – $21.00
Mikroe-2873

DIGI POT 4 Click
A digitally controlled dual potentiometer, with the resistance of 10KΩ.
MSRP – $16.00
Mikroe-2863

DIGI POT 5 Click
A digitally controlled quad potentiometer, with the resistance of 10KΩ.
MSRP – $16.00
Mikroe-2332

DIGI POT 2 Click
Carries a single channel digital potentiometer TPL0501 with 256 wiper positions.
MSRP – $16.00
Mikroe-2332
The MCP4728, a quad, 12-bit voltage output Digital-to-Analog Convertor (DAC) with EEPROM.

It's an advanced 10-bit eight-channel digital to analog converter (DAC) with DAC53608.

It's an advanced 12-bit, four-channel digital to analog converter (DAC) with AD5624R.

Based around the TMUX1208 module, a 5-V Bidirectional 8:1, 1-Channel Multiplexer.

The MCP1501, a precision voltage reference IC from Microchip.

MIXED SIGNAL
**POWER MANAGEMENT**

**MCP1664 Click**
With 4 high-power white LEDs. Carries Microchip’s MCP1664, a high-voltage step-up LED driver.
MSRP – $26\textsuperscript{00}
MNRRE-2548

**MCP73213 Click**
Carries MCP73213 dual-cell Li-Ion/Li-Polymer battery charge management controller.
MSRP – $18\textsuperscript{00}
MNRRE-2575

**MIC23099 Click**
Carries MIC23099 single AA/AAA cell step-down/step-up regulator with battery monitoring.
MSRP – $29\textsuperscript{00}
MNRRE-2765

**MIC24045 Click**
Carries MIC24045 5A synchronous step-down regulator. Input range 4.5V-19V.
MSRP – $13\textsuperscript{00}
MNRRE-2574

**VREG Click**
Digitally controlled DC voltage regulator. Based on the well-known LM317 circuit.
MSRP – $27\textsuperscript{00}
MNRRE-2490

**MIC33153 Click**
MSRP – $21\textsuperscript{00}
MNRRE-2585

**BATT-MAN click**
The LTC3586, a high-efficiency power manager with boost, buck-boost, and dual buck converters.
MSRP – $27\textsuperscript{00}
MNRRE-2901

**Charger 2 Click**
The STBC08, an 800 mA standalone linear Li-Ion battery charger with thermal regulation.
MSRP – $17\textsuperscript{00}
MNRRE-3049

**LED Driver 4 Click**
The TPS61168A, a white LED driver with PWM brightness control.
MSRP – $15\textsuperscript{00}
MNRRE-2057

**LED Driver 3 Click**
The NCP5623B, a triple output RGB LED driver, controlled through the I2C protocol.
MSRP – $15\textsuperscript{00}
MNRRE-2850

**MIC24055 Click**
Carries MIC24055, high-efficiency buck regulator from Microchip.
MSRP – $29\textsuperscript{00}
MNRRE-2850

**Qi Receiver Click**
Utilizes the principles of the inductive coupling for the purpose of wireless power transfer.
MSRP – $18\textsuperscript{00}
MNRRE-2769

**Solar energy Click**
Uses TI’s BQ25570 – a nano-power high-efficiency boost charger and buck converter device.
MSRP – $27\textsuperscript{00}
MNRRE-2847

**MIC33153 Click**
MSRP – $21\textsuperscript{00}
MNRRE-2585

**VREG 2 Click**
Uses the LM2596, a 3A, step down voltage regulator working at 150 kHz, from Texas Instruments.
MSRP – $21\textsuperscript{00}
MNRRE-3055

**Buck-Boost 2 Click**
The LTC3115–2, a 40V, 2A synchronous buck-boost DC/DC converter from Linear Technology.
MSRP – $27\textsuperscript{00}
MNRRE-2917

**MCP16331 INV Click**
Works in an inverting configuration, provides a negative output voltage in respect to the GND.
It is based on a single high-speed voltage comparator LM311.

The ADS1115 IC, a low-power, high-precision, 16-bit A/D converter, from Analog Devices.

The AD9833, a low-power, programmable waveform generator, produced by Analog Devices.

The MCP1541, a precise voltage reference IC by Microchip.

Features LTC3129-1, a buck-boost DC/DC conversion integrated circuit.

Carries Microchip’s MIC2606, a 2MHz, PWM DC/DC boost switching regulator.

Carries TI’s TPS61230A, a high efficiency fully integrated synchronous boost converter.

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

Uses the MAX17536, a high-efficiency, synchronous step-down DC-DC converter.

The MAX40000AUT12+, a nanoPower comparator with built-in reference.

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

Carries the MAX1643 - LED constant current regulator, made by Microchip.

Carries the MAX1842 - LED constant current regulator, made by Microchip.

Functions as a non-inverting buck-boost voltage regulator.
The MAX17506, a high efficiency, synchronous step-down DC/DC converter with internal compensation.

Buck 2 Click
A powerful step down DC-DC switching regulator. Input voltage range 4.5V-19V.

BUCK Click
Buck switching regulator. A wide input voltage range of up to 40V. Steps it down to 3.3V or 5V.

The MAX175, a standalone, switch-mode Li+ battery charger, from Maxim Integrated.

The MAX8903B and the MAX17201, both ICs from Maxim Integrated.

The MPQ8632, a synchronous step-down converter, from Monolithic Power Systems (MPS).

The LMR36015, a synchronous step-down converter, from Texas Instruments.

The MPQ8632, a synchronous step-down converter, from Monolithic Power (MPS).

The MAX1757, a standalone, switch-mode Li+ battery charger, from Maxim Integrated.

The MAX17570, a high efficiency, synchronous step-down DC/DC converter with internal compensation.

The MAX17572, a step down (buck) DC-DC converter from Maxim Integrated.

The TPS563628, a 2.5A regulator with the integrated high-side MOSFET and a low-side driver.

The ISL85403, a 2.5A regulator with the integrated high-side MOSFET and a low-side driver.

The TPS54200, a synchronous buck converter designed to drive monochrome, color, and IR LED arrays.

The MIC2230, a dual synchronous step-down DC/DC regulator.

The TPS65401, a synchronous buck converter designed to drive monochrome, color, and IR LED arrays.
The LTC3582, a programmable boost and inverting DC/DC converter with OTP memory.

The TPS65131, a positive and negative output DC/DC Converter, from Texas Instruments.

The MAX17222 - a nanoPower synchronous boost converter with True Shutdown™ technology.

The BQ29200, Voltage Protection with Automatic Cell Balance for 2-Series Cell Li-Ion Batt.

The BQ25887 fully integrated 2-cell Li-ion batt. charger IC ideal for portable app. with cell balancing.

The STC3115, a high-precision batt. gas gauge IC with alarm output for handheld app.

The LTC3225, a supercapacitor charger from Linear Technologies.

The MAX1501 - linear battery charger with thermal regulation for portable applications.

The MCP73123 - Lithium Iron Phosphate (LiFePO4) batt. charge management controller.

The BMR4613001/001 - a PoL regulator from Flex.

The MCP16251 synchronous boost reg. with true load disconnect and MCP1811A LDO linear reg.

The BQ25887 fully integrated 2-cell Li-ion batt. charger IC ideal for portable app. with cell balancing.

Based around the BMR4613001/001 - a PoL regulator from Flex.

The MCP1665, a 500 kHz, compact, high-efficiency, fixed-frequency, nonsynchronous step-up DC-DC.

The STC3115, a high-precision batt. gas gauge IC with alarm output for handheld app.

The TPS65131, a positive and negative output DC/DC Converter, from Texas Instruments.

The MCP1665, a 500 kHz, compact, high-efficiency, fixed-frequency, nonsynchronous step-up DC-DC.

With the SPV1050, an ultralow power energy harvester and battery charger.
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
MKB0E-1899

RTC 5 Click
Carries Microchip’s MCP79510 real-time clock/calendar.
MSRP – $21
MKB0E-1899

PLL Click
The ICS501, a LOCO™ PLL clock multiplier, from Integrated Device Technology.
MSRP – $15
MKB0E-2993

Clock Gen 2 Click
The DS1087LU-266, a 3.3V spread-spectrum EconOscillator, from Maxim Integrated.
MSRP – $17
MKB0E-3076

RTC 8 Click
Carries MCP79410 real-time clock/calendar.
MSRP – $21
MKB0E-3076

RTC 6 Click
With DS1682 total elapsed time recorder from Maxim Integrated. ETC used with the ALARM pin.
MSRP – $18
MKB0E-2333

PULSE Click
A pulse generator with precise frequency control. Features NE555 precision timer.
MSRP – $25
MKB0E-2032

RTC 2 Click
With DS1307 serial real-time clock. It’s a full binary-coded decimal (BCD) clock/calendar.
MSRP – $21
MKB0E-918

RTC 3 Click
Carries BQ32000, a real time clock with an integrated trickle charge circuit for automatic switchover.
MSRP – $21
MKB0E-1899

One Shot Click
The LTC6993-2, a monostable multivibrator known as a “one-shot” pulse generator.
MSRP – $19
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RTC 10 Click
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