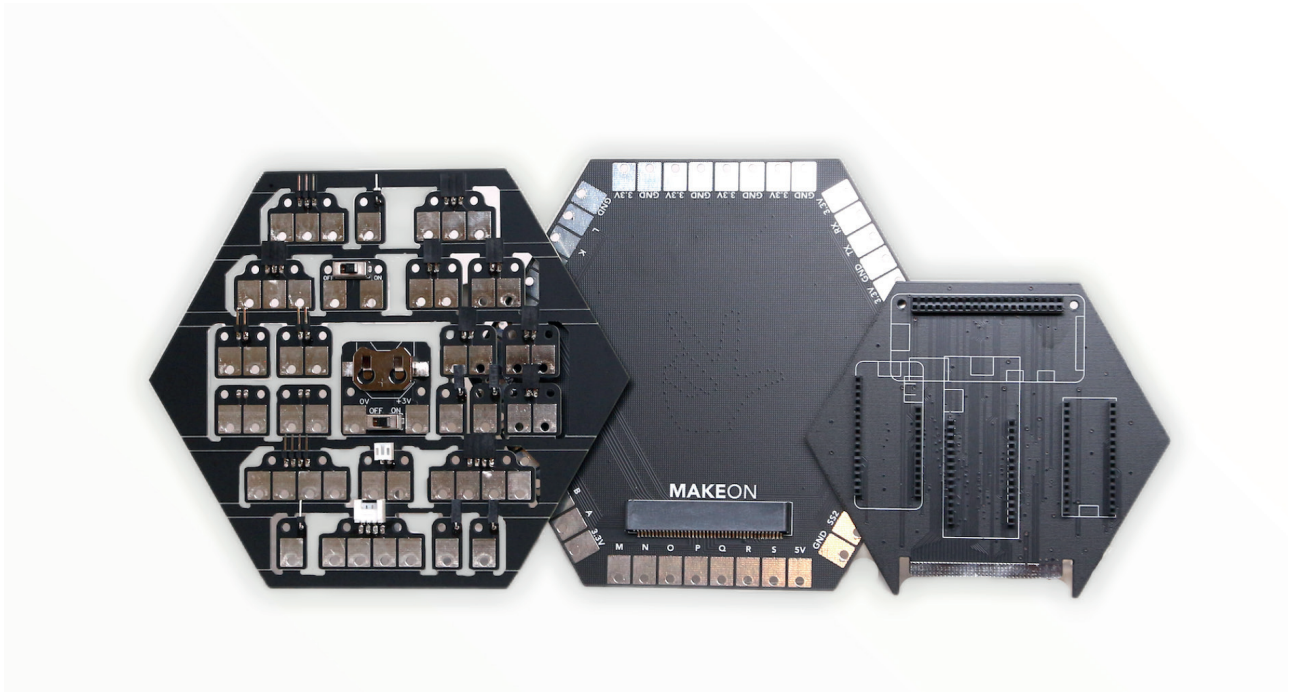
MAKEON™

SPACE STATION NEXUS

Micro:bit, CLUE, HiFive,
Arduino, Raspberry Pi,
Adafruit, Sparkfun
(specified models)



Description

» This all in one set is the ultimate breakout set. Connect components by clip, clamp, tape, paint, rivet, solder, sew and snaps. The size of the “pads” allow clear connections to be made less fiddly. The card reader mounting is soldered on both sides making it durable and low profile at the same time. It is an excellent choice for low profile requirements, such as in tight places, like wearables, walls and more!

Features

This breakout board features multiple access points to V+ GND. It connects to pins.The design allows it to be mounted on the wall or in wearables to show the micro:bit on full display. High quality connector
Low profile, SMD design
Extra through-holes on the PCB for various types of mounting techniques, for example, screws, thread, hot glue, etc.

MAKEON™

SPACE STATION NEXUS

Micro:bit, CLUE, HiFive, Arduino, Raspberry Pi, Adafruit, Sparkfun

STA_SHU_NXSBLKv100

Safety Guidelines

Do not exceed microcontroller’s maximum rating. Raspberry PI 0’s header have to be soldered on the bottom (it
Warning: Contains small parts, sharp points/edges, and conductive materials. Avoid damage to the product. Avoid corrosive materials, water and abrasives. Avoid oral contact. Avoid other materials that could affect the integrity of the product.
Power off every devices of the circuit before connecting or connecting microcontroller to the station.

Benefits

»This board breakouts out majority of pins onboard the microcontrollers for greater capability and project versatility. Multiple power pads make circuit building cleaner, and lower profile with less crossover. The design allows ample room for a wide array of connection types and conductive materials. This board’s card reader is soldered on the front and backside using SMD and Through hole techniques making it durable and strong.

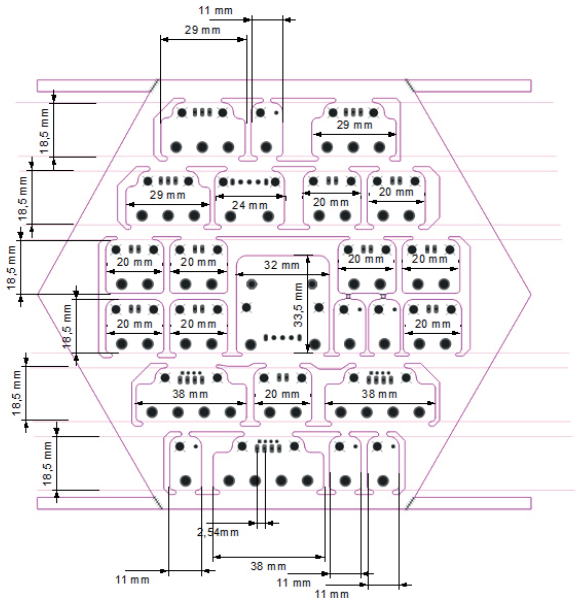
RoHS compliant

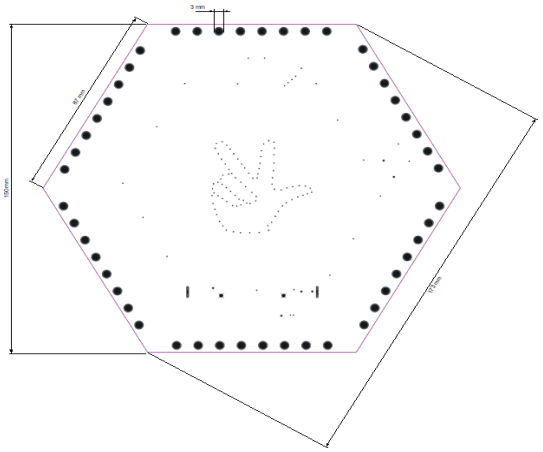
MakeON Products

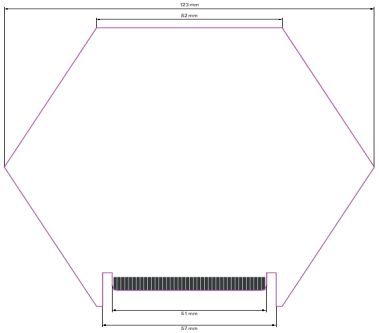
Shuttle, Nexus Launchpad, Space Tape Roll, MakeON Space Hook & Loop

OKdo

Micro:bit, Arduino MKR, Arduino NANO
Raspberry Pi ZERO
Adafruit FEATHER







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Electronic Data

Type	Amps
Maximum current per track	1.3
ΔT°F = 50 ΔT°C = 10	

Instructions

Use Space tape, conductive paint, wire, thread, copper tape, alligator clips, banana plugs and more.
Unpower every devices of the circuit before connecting or unconnecting the shuttle, a micro:bit, a clue or every other compatible boards to the station, by the edge connector.

Frequently Asked Questions

Which microcontrollers are compatible? Every microcontrollers that have the same pinout as the original micro-bit, such as Adafruit clue, BBC Micro:bit V2,, etc...
Which microcontrollers are compatible? It is designed for Makeon's shuttle, and the Adafruit clue. However, all the microcontrollers that have the same pinout than the original BBC micro:bit are compatible, but please check that the gpios aren't internally already connected, like on the bbc micro:bit"

Description

-The 24 piece Launchpad Set has 12 of the most common female/male connectors including a Grove Male Connector, an On/Off switch, a JST-PH, and a Coin Cell Powerpad- all in a break-a-part multi-panel hexagon!
-It is called the Nexus because it can make infinite combinations inside the global electronic ecosystem.
-As a tool, or as a toy, this MakeON Launchpad Set offers the most common connections to up to 4 pinouts components.
-New-comers and experts alike use this popular set for circuit projects on almost anything, nearly anywhere using the versatility of MakeON Launchpads.

Features

Break apart design, INCLUDES:
1 x Coin Cell Powerpad, 1 x Grove Male, 1 x JST-PH Male, 1 x ON/OFF, 4 x 1Pad Female, 2 x 1Pad Male, x 2pad Open , 5 x 2Pad Female, 2 x 2Pad Male, 2 x 3 Pad Female, 1 x 3 Pad Male, 1 x 4Pad Female, 1 x 4Pad Male
-Great for busy designers and multi-designer environments like homes, classrooms, laboratories, maker spaces, libraries, etc.
-Extra through-holes on the PCB for various types of mounting techniques, for example, screws, thread, hot glue, etc.
-Straightforward layout for beginners and experts looking to elevate, simplify and share their experience. Excellent for hackathons or collaborative projects.

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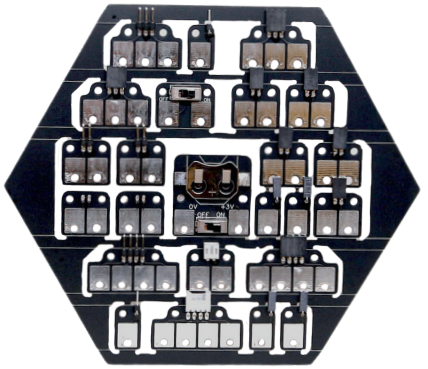
NEXUS

LAUNCHPAD SET



Safety Guidelines

-Be careful when splitting the nexus panel. Use appropriate tools.
-Do not try to split the pcb anywhere else than the lines that are meant for this purpose
-Warning: Contains small parts, sharp points/edges, and conductive materials. Avoid damage to the product. Avoid corrosive materials, water and abrasives.
-Avoid oral contact. Avoid other materials that could affect the integrity of the product.

Benefits

»Extend the contact point for all types of conductive materials and cables to maximize accessibility.
»Re-usable, solder-free connections to components like resistors, capacitors, diodes, etc.for plug and play activities or quick pin/part change outs.
»Accommodates low profile, flexible circuitry for tight spaces, wearables, and more!

NXS___BLKPSZZZv200
NXS___WHTPSZZZv200

MakeON Products

MakeON Space Tape Roll, MakeON Space Hook & Loop, MakeON Space Tape Sheet, MakeON Launchpads, MakeON Journey Inventure Kit, MakeON Expedition Inventure Kit

OKdo

Arduino, Beaglebone, Raspberry Pi, Adafruit, Grove, LEDs, Resistors, Sensors, etc.

RoHS compliant

CE

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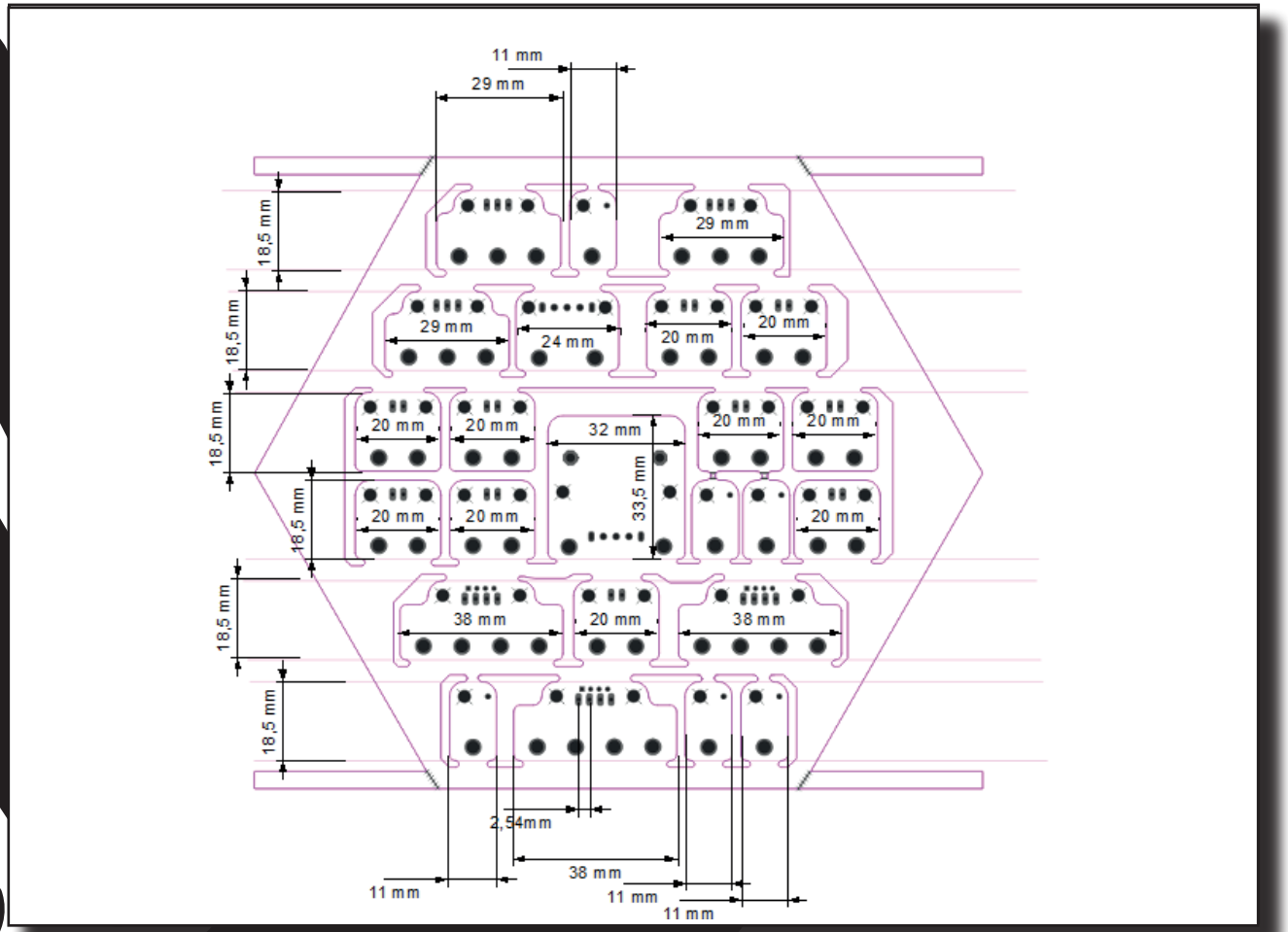


Electronic Data

Type	Amps
Maximum current per track	1.3
ΔT°F = 50 ΔT°C = 10	

Frequently Asked Questions

Who uses Launchpads?

MakeOn Products are recommended for anyone 5 years old and up.

Instructions

Wear Safety Glasses. Break apart the hexagon at the cut lines. Use tool to separate components i.e snips or pliers.

Connect Pad to circuit using method of choice i.e hard soldering or sewing.

Use Space tape, conductive paint, wire, thread, copper tape, alligator clips, banana plugs and more.

Description

»This Launchpad breaks out majority of the pins onboard the CLUE and Micro:bit. Connect components by clip, clamp, tape, paint, rivet, solder, sew and snaps. The size of the “pads” allow clear connections to be made less fiddly. The card reader mounting is soldered on both sides making it durable and low profile at the same time. It is an excellent choice for low profile requirements, such as in tight places,

Features

This breakout board features multiple access points to V+ GND. It connects to pins.The design allows it to be mounted on the wall or in wearables to show the micro:bit on full display. High quality connector
Low profile, SMD design
Extra through-holes on the PCB for various types of mounting techniques, for example, screws, thread, hot glue, etc.

MAKEON™

STATION

Micro:bit, CLUE, HiFive, Arduino, Raspberry Pi, Adafruit, Sparkfun (specified models)

STA___BLKBSRDRv100

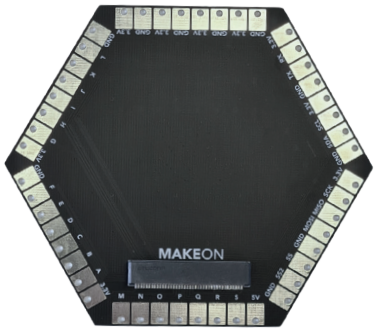
Safety Guidelines

Do not exceed microcontroller’s maximum rating. Raspberry PI 0’s header have to be soldered on the bottom (it
Warning: Contains small parts, sharp points/edges, and conductive materials. Avoid damage to the product. Avoid corrosive materials, water and abrasives. Avoid oral contact.
Avoid other materials that could affect the integrity of the product.
Power off every devices of the circuit before connecting or connecting microcontroller to the station.

Benefits

»This board breakouts out majority of pins onboard the microcontrollers for greater capability and project versatility. Multiple power pads make circuit building cleaner, and lower profile with less crossover. The design allows ample room for a wide array of connection types and conductive materials. This board’s card reader is soldered on the front and backside using SMD and Through hole techniques making it durable and strong.

RoHS compliant

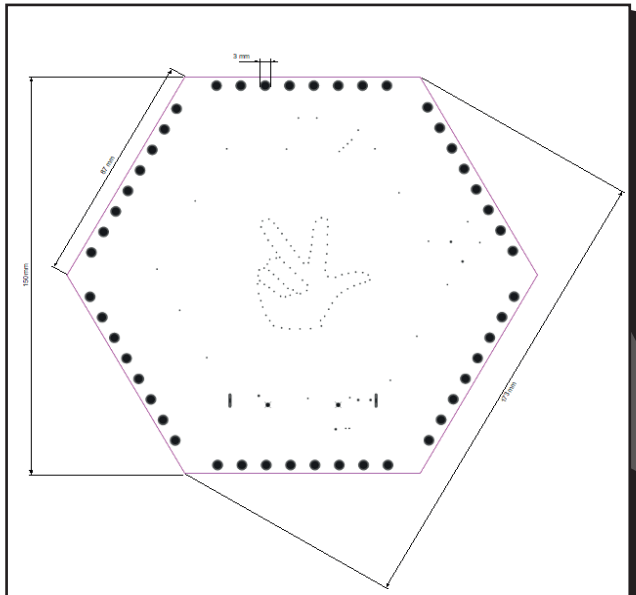


MakeON Products

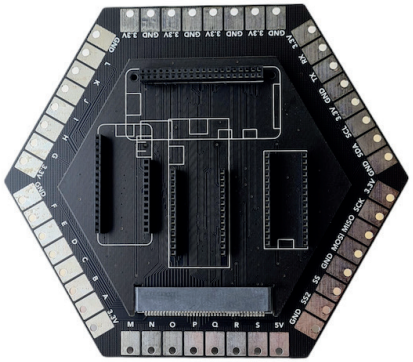
Shuttle, Nexus Launchpad, Space Tape Roll, MakeON Space Hook & Loop

OKdo

Arduino MKR, Arduino NANO
Raspberry Pi ZERO
Adafruit FEATHER



Example



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Frequently Asked Questions

Which microcontrollers are compatible? Every microcontrollers that have the same pinout as the original micro-bit, such as Adafruit clue, BBC Micro:bit V2,, etc...

Which microcontrollers are compatible? It is designed for Make-on's shuttle, and the Adafruit clue. However, all the microcontrollers that have the same pinout than the original BBC micro:bit are compatible, but please check that the gpios aren't internally already connected, like on the bbc micro:bit"

Instructions

Use Space tape, conductive paint, wire, thread, copper tape, alligator clips, banana plugs and more. Unpower every devices of the circuit before connecting or unconnecting the shuttle, a micro:bit, a clue or every other compatible boards to the station, by the edge connector.

Electronic Data

Type	Amps
Maximum current per track	1.3
ΔT°F = 50 ΔT°C = 10	

Description

»The Shuttle is the dock for card readers and the MakeON Station. It offers a plug and play method for microcontrollers. The pinouts can be read by the card reader, and delivered to the environment in low profile, accessible method.

Features

This breakout board features multiple access points to V+ GND. It connects to pins.The design allows it to be mounted on the wall or in wearables to show the micro:bit on full display. High quality connector
Low profile, SMD design
Extra through-holes on the PCB for various types of mounting techniques, for example, screws, thread, hot glue, etc.

MAKEON™

SHUTTLE

Arduino, Raspberry Pi, Adafruit, Sparkfun (specified models)

SHU_A_BLKFSZZZv100

Safety Guidelines

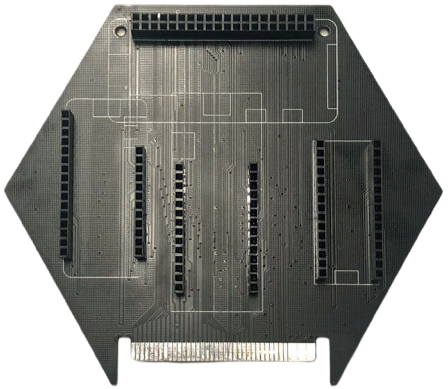
Do not exceed microcontroller's maximum rating. Raspberry PI 0's header have to be soldered on the bottom (it Warning: Contains small parts, sharp points/edges, and conductive materials.

Avoid damage to the product. Avoid corrosive materials, water and abrasives.

Avoid oral contact. Avoid other materials that could affect the integrity of the product.

Benefits

»This board breakouts out majority of pins onboard the microcontrollers for greater capability and project versatility. Multiple power pads make circuit building cleaner, and lower profile with less crossover. The design allows ample room for a wide array of connection types and conductive materials. This board's card reader is soldered on the front and backside using SMD and Through hole techniques making it durable and strong.

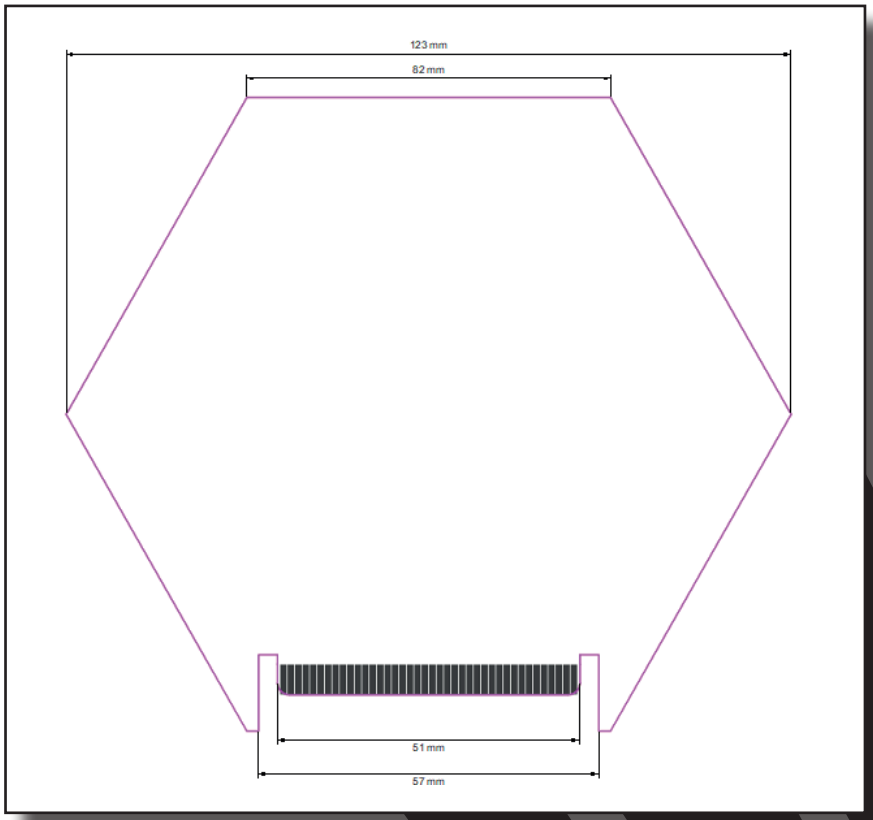


MakeON Products

MakeON Space Tape Roll, MakeON Space Hook & Loop, MakeON Space Tape Sheet, MakeON Launchpads,

OKdo

Arduino MKR, Arduino NANO
Raspberry Pi ZERO
Adafruit FEATHER



MAKEON™

Frequently Asked Questions

Can electronics brands be used with these? Yes. MakeON was designed for exactly this. Low power DC Converters recommended .

Instructions

Use Space tape, conductive paint, wire, thread, copper tape, alligator clips, banana plugs and more

Electronic Data

Type	Amps
Max Current Per track	250ma
ΔT°F = 50 ΔT°C = 10	

Mission Control Lab: MakeOn