

Equipement type	SI unit value
Resistances 4,7K Ohm	4700
Resistances 33 Ohm	33
Resistances 2,7K Ohm	2700
Resistances 22K Ohm	22000
Resistances 2,2K Ohm	2200
Resistances 1,5K Ohm	1500
Resistances 1K Ohm	1000
Resistances 10K Ohm	10000
Resistances 6,2 Ohm	6,2
Resistances 56 Ohm	56
Resistances 39 Ohm	39
Resistances 200 Ohm	200
Resistances 82 Ohm	82
Resistances 100 Ohm	100

Resistances 180 Ohm	180
Resistances 5,6K Ohm	5600
Resistances 100K Ohm	100000
Resistances 680K Ohm	680000
Resistances 6,8K Ohm	6800
Resistances 820 Ohm	820
Resistances 47K Ohm	47000
Resistances 270K Ohm	270000
Resistances 0 Ohm	0
Capacitor 100nf	100
Capacitor 10 uF	10000
Capacitor 51 pF	0,051
Capacitor 4,7 nF	4,7
Capacitor 4,7 uF	4700

Capacitor 10 uF X5R	10000
Capacitor 18 pF	0,018
Capacitor 1 nF	1
Capacitor 1uF	1000
Capacitor 1,5 nF	1,5
Capacitor 47 nF	47
Motor, General Kind	
Multicell Battery 3,7V, 1500 mAh	3,7V and 1500mAh
LED red 56	56
LED RGB	
LED red mounted on Thymio's side	
LED blue mounted on Thymio's side	
LED Standard	
LED red 57	57

Diode Schottky Barrier Double Diode	-
SMD ferrite bead for EMI suppression	
Loudspeaker	
Omnidirectional Back Electret Condenser	
General purpose transistor	
Thermistors	25
Micro SD connector	
Switch	

Transistor MOSFET	
Transistor MOSFET type 2	
Accelerometer	
Opto Interrupter part 1/2	
Opto Interrupter part 2/2	
Operational Amplifier	
Opto Interrupter type 2 Part 1/2	

Opto Interrupter type 2 Part 2/2	
8-bit Shift Register with 3- state output registers	
CMOS process low dropout linear regulator	
General Purpose USB Microcontroller	
IR receiver part 1/2	
IR receiver part 2/2	
Battery Charge Management Controller	
ULDO REGULATOR	

USB/Charger and over voltage detection device	
Audio power amplifier	
1 x 6 pins connector	
WR-COM Micro USB	
Surface Mount Quartz Crystal 8Mh	
Casing - ABS	
Casing - Polycarbonate	
ON/OFF BUTTON	
Screw	
PCB	



Description
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density

Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface mount pads, Chip Resistor, 2-Leads, Body 1,0x0,5mm, IPC Medium Density
Surface Mount pads
Surface Mount pads
Surface Mount pads
Surface Mount pads
Surface Mount pads

Surface Mount pads
Surface Mount pads
Surface Mount pads
Surface Mount pads
Surface Mount pads
Surface Mount pads
Surface Mount pads
DC plastic gear motor with low speed and big torque
Li-Po, 3,7V, 1'500 mAh, rechargeable via USB,
Red led with Light intensity: 56 mcd
Light LED with 3 colors available
Red led on side of thymio
Blue led on side of thymio
Red led with Light intensity = 57 mcd

Ferrite bead to suppress electromagnetic field interference due to electronical near each other, Surface Mount Device (SMD)

Small microphones for general use, Back electret type designed for high resistance to vibrations, high signal-to-noise ratio, High sensitivity type,
ESSAYER: condensor microphone, Autre definition:

General purpose : current amplification

temperature Sensors -> Approximate by resistor 10 kOhm at 25°C

Button

Transistor MOSFET surface mounted
Transistor MOSFET surface mounted
three-axis linear accelerometer belonging to the “femto” family with digital I2C/SPI serial interface standard output, contained of a small thin plastic land grid array package (LGA)
infrared emitting diode and an NPN silicon phototransistor, encased side-by-side on converging optical axis in a black thermoplastic housing (infrared Sensors)
infrared emitting diode and an NPN silicon phototransistor, encased side-by-side on converging optical axis in a black thermoplastic housing (infrared Sensors)
operational amplifier is an integrated circuit that can amplify weak electronic signals
infrared emitting diode and an NPN silicon phototransistor, encased side-by-side on converging optical axis in a black thermoplastic housing (infrared Sensors)

infrared emitting diode and an NPN silicon phototransistor, encased side-by-side on converging optical axis in a black thermoplastic housing (infrared Sensors)

8-bit Shift Register with 3-state output registers

CMOS process low dropout linear regulator with enable function, the regulator delivers a guaranteed 300mA (min,) continuous load current,

Microcontroller 128 KB program memory , 16-bit flash memory, CPU speed: 16 Mhz

miniature type infrared receiver 38kHz, with wire

miniature type infrared receiver 38kHz, with wire

Stand-Alone System Load Sharing and Li-Ion/Li-Polymer Battery Charge Management Controller

The AP2210 is a 300mA ULDO regulator which provides very low noise, ultra-low dropout voltage

The FAN3988 is a USB-connection-monitoring device used top determine if a standard USB device or a battery charging device is connected
350mWAudioPower Amplifier withShutdownMode
WR-Communication Connector
Play the role of clock
robot's shell
robot's tyre

Model name	Link	Quantity
RESC1005X04N	https://circuit	18,00
RESC1005X04N		2,00
RESC1005X04N		2,00
RESC1005X04N		10,00
RESC1005X04N		17,00
RESC1005X04N		7,00
RESC1005X04N		10,00
RESC1005X04N		16,00
RESC1005X04N		7,00
RESC1005X04N		18,00
RESC1005X04N		14,00
RESC1005X04N		4,00
RESC1005X04N		4,00
RESC1005X04N		4,00

RESC1005X04N		2,00
RESC1005X04N		2,00
RESC1005X04N		15,00
RESC1005X04N		1,00
RESC1005X04N		1,00
RESC1005X04N		5,00
RESC1005X04N		1,00
RESC1005X04N		1,00
RESC1005X04N		6,00
CAPC1005X05N		38,00
CAPC1005X05N		8,00
CAPC1005X05N		2,00
CAPC1005X05N		7,00
CAPC1005X05N		9,00

CAPC1005X05N		8,00
CAPC1005X05N		2,00
CAPC1005X05N		2,00
CAPC1005X05N		3,00
CAPC1005X05N		1,00
CAPC1005X05N		3,00
TGP01S-A130	http://www,tt	2,00
	https://fr,mac	1,00
DIO C 1608X08N	https://www,i	4,00
QBLP679E-RGB	https://www,c	4,00
27-21-EVERLIGHT	https://everlig	12,00
27-21 EVERLIGHT	https://everlig	3,00
	https://www,s	11,00
	https://www,i	2,00

BAT54S	https://www.farnell.com	2,00
	https://fr.rs-online.com	5,00
		1,00
TD4015BPN	https://www.farnell.com	1,00
BC 817-40	https://www.farnell.com	36,00
NCP15XH103F03R C	https://www.farnell.com	1,00
Micro SD-Astron 5190008-XA4-R	http://www.astron.com	1,00
FSMRA2JH	https://www.farnell.com	1,00

DMG1013UW-7	https://www.t	4,00
DMG1012UW	https://www.t	4,00
STM-LIS2DE12- LGA-12	https://www.s	1,00
ITR9909_LONG https:// www,application- datasheet.com/pdf/ everlight-	https://datasl	2,00
ITR9909_LONG https:// www,application- datasheet.com/pdf/ everlight-	https://datasl	2,00
MCP6L04T-E/ST Microchip, Op Amp,	https://befr.rs	2,00
ITR9909_EDGE	https://datasl	7,00

ITR9909_EDGE	https://datasheet.com/	7,00
SN74HC595PWR	https://ch.farnell.com/	5,00
AP2112K-3,3TRG1	https://www.mouser.com/	2,00
PIC 24F J128GB106-I/PT	https://www.mouser.com/	1,00
IRM-3638T	https://everlight.com/	1,00
IRM-3638T	https://everlight.com/	1,00
MCP73871-2CAI/ ML	https://www.mouser.com/	1,00
AP2210K-3,3TRG1 https://eu.mouser.com/	https://www.mouser.com/	3,00

FAN3988	https://www.farnell.com/datasheets/1644481.pdf	1,00
LM4819M	https://www.ti.com/lit/ds/lm4819m	1,00
MHDR1X6	https://www.mouser.com/datasheet/2/164/1/MHDR1X6-1234567.pdf	1,00
	https://www.farnell.com/datasheets/1644481.pdf	1,00
		1,00
		1,00
		2,00
		1,00
		8,00
		1,00

Mass (g)
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00

0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00

0,00
0,00
0,00
0,00
0,00
0,00
30,00
30,00
0,05
0,05
0,05
0,05
0,05
0,05

0,05
1,00
1,00
0,20
0,01
0,01
0,43
1,00

0,00
0,00
1,00
0,01
0,05
0,20
0,01

0,05
0,10
0,00
1,00
0,04
0,36
0,04
0,02

0,01
0,14
0,05
0,70
0,04
107,00
4,00
0,50
0,63
36,57

Type	Categories plus simple
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic

resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic

capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
capacitor production, for surface-mounting	Basic electronic
electronic motor, vehicle	MOTOR
battery production, Li-ion, rechargeable, prismatic	Battery
diode production, glass-, for surface-mounting	Light emitting diode
diode production, glass-, for surface-mounting	Light emitting diode
diode production, glass-, for surface-mounting	Light emitting diode
diode production, glass-, for surface-mounting	Light emitting diode
diode production, glass-, for surface-mounting	Light emitting diode
diode production, glass-, for surface-mounting	Light emitting diode

diode production, glass-, for surface-mounting	Light emitting diode
ceramic tile	Basic electronic
Micro Speaker	Sensors
Micro Speaker	Sensors
transistor production, surface-mounted	Basic electronic
resistor production, surface-mounted	Sensors
Connector, computer Peripheral type	Peripheral Connectors
keyboard production, GLO	Sensors

transistor production, surface-mounted	Basic electronic
transistor production, surface-mounted	Basic electronic
IC LOGIC	Sensors
transistor production, surface-mounted (10% of tot mass)	Sensors
diode production (90% tot mass), glass-, for through hole mounting	Sensors
IC LOGIC	Basic electronic
transistor production, surface-mounted (10% of tot mass)	Sensors

diode production (90% tot mass), glass-, for through hole mounting	Sensors
IC MEMORY	Basic electronic
IC LOGIC	Basic electronic
IC LOGIC	Microcontroller
IC LOGIC (10% tot mass)	Sensors
diode production (90% tot mass), glass-, for through hole mounting	Sensors
IC LOGIC	Battery
IC LOGIC	Basic electronic

IC LOGIC	Peripheral Connectors
IC LOGIC	Basic electronic
brass production	Basic electronic
Connector, computer Peripheral type (pas trouvé)	Peripheral Connectors
silica sand production	Basic electronic
Copolymer production	Shell
Polycarbonate production	Shell
IC LOGIC	Sensors
SCREW	Shell
PCB	Basic electronic

