

Bill of Materials: robotling_version1_3.fzz

D:/User/Dropbox/___ROS/___Circuit boards/board_robotling/robotling_version1_3.fzz

Samstag, April 13 2019, 15:27:31

Assembly List

Label	Part Type	Properties
4377	MAX4377T	Variante variant 1; Paket so08
Analog_In	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
Analog_In_b	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
Analog_In_c	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
C1	Tantalum Capacitor	Spannung 6.3V; Paket 100 mil [THT, tantalum]; Kapazität 1µF
C2	Tantalum Capacitor	Spannung 6.3V; Paket 100 mil [THT, tantalum]; Kapazität 1µF
C3	Tantalum Capacitor	Spannung 16V; Paket 100 mil [THT, tantalum]; Kapazität 4.7µF
C4	Tantalum Capacitor	Spannung 16V; Paket 100 mil [THT, tantalum]; Kapazität 4.7µF
DIO	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
DIO_b	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
DIO_c	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
DRV8835	DRV8835	editable pin labels false; Variante variant 1; Beinchen 14; Paket DIP (Dual Inline) [THT]; Beinchenabstand 300mil; chip label DRV8835
Feather	Adafruit HUZZAH32 ESP32 Feather	Variante variant 1; Bauteilnummer Adafruit #3405
I2C	Generic female header - 6 pins	Lochgröße 1.0mm,0.508mm; Beinchen 6; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
J2	Generic male header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♂ (male)

Label	Part Type	Properties
J2_b	Generic male header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♂ (male)
J3	Generic rounded female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female rounded)
J4	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
J5	Generic female header - 1 pins	Lochgröße 1.0mm,0.508mm; Beinchen 1; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
J6	Generic female header - 1 pins	Lochgröße 1.0mm,0.508mm; Beinchen 1; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
J7	Generic female header - 6 pins	Lochgröße 1.0mm,0.508mm; Beinchen 6; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
J8	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
J9	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
LED1	Green (565nm) LED	Paket 3 mm [THT]; leg yes; Farbe Green (565nm)
LiPo Battery 1100 mAh	Lithium Ion Polymer Battery 3.7v 350mAh	Variante 350mAh; Bauteilnummer 2750
LSM303	Flora LSM303 Compass+Accel	Variante variant 1
MCP3208	MCP3208	true; Lochgröße 1.0mm,0.508mm; Beinchen 16; Paket DIP (Dual Inline) [THT]; Beinchenabstand 300mil; Chip-Beschriftung MCP3208
Motors	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female); Bauteilnummer Motor connector
NP	Generic female header - 3 pins	Lochgröße 1.0mm,0.508mm; Beinchen 3; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
R1	8.2kΩ Resistor	bands 4; Widerstand 8.2kΩ; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
R2	8.2kΩ Resistor	bands 4; Widerstand 8.2kΩ; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
R3	680Ω Resistor	bands 4; Widerstand 680Ω; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
R4	680Ω Resistor	bands 4; Widerstand 680Ω; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%

Label	Part Type	Properties
R5	1k Ω Resistor	bands 4; Widerstand 1k Ω ; Paket THT; Beinchenabstand 400 mil; Toleranz $\pm 5\%$
R6	0 Ω Resistor	bands 4; Widerstand 0 Ω ; Paket THT; Beinchenabstand 400 mil; Toleranz $\pm 5\%$
R8	0 Ω Resistor	bands 4; Widerstand 0 Ω ; Paket THT; Beinchenabstand 400 mil; Toleranz $\pm 5\%$
R9	12k Ω Resistor	bands 4; Widerstand 12k Ω ; Paket THT; Beinchenabstand 400 mil; Toleranz $\pm 5\%$
R10	12k Ω Resistor	bands 4; Widerstand 12k Ω ; Paket THT; Beinchenabstand 400 mil; Toleranz $\pm 5\%$
S1	SPST Switch	Variante pth; Paket switch-spdt
SN72AHCT125N	SN72AHCT	true; Lochgröße 0.7mm,0.508mm; Beinchen 14; Paket DIP (Dual Inline) [THT]; Beinchenabstand 300mil; Chip-Beschriftung SN72AHCT

Shopping List

Amount	Part Type	Properties
1	MAX4377T	Variante variant 1; Paket so08
3	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
2	Tantalum Capacitor	Spannung 6.3V; Paket 100 mil [THT, tantalum]; Kapazität 1 μ F
2	Tantalum Capacitor	Spannung 16V; Paket 100 mil [THT, tantalum]; Kapazität 4.7 μ F
3	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
1	DRV8835	editable pin labels false; Variante variant 1; Beinchen 14; Paket DIP (Dual Inline) [THT]; Beinchenabstand 300mil; chip label DRV8835
1	Adafruit HUZZAH32 ESP32 Feather	Variante variant 1; Bauteilnummer Adafruit #3405
2	Generic female header - 6 pins	Lochgröße 1.0mm,0.508mm; Beinchen 6; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
2	Generic male header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♂ (male)
1	Generic rounded female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female rounded)
3	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
2	Generic female header - 1 pins	Lochgröße 1.0mm,0.508mm; Beinchen 1; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)

Amount	Part Type	Properties
1	Green (565nm) LED	Paket 3 mm [THT]; leg yes; Farbe Green (565nm)
1	Lithium Ion Polymer Battery 3.7v 350mAh	Variante 350mAh; Bauteilnummer 2750
1	Flora LSM303 Compass+Accel	Variante variant 1
1	MCP3208	true; Lochgröße 1.0mm,0.508mm; Beinchen 16; Paket DIP (Dual Inline) [THT]; Beinchenabstand 300mil; Chip-Beschriftung MCP3208
1	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female); Bauteilnummer Motor connector
1	Generic female header - 3 pins	Lochgröße 1.0mm,0.508mm; Beinchen 3; Paket THT; Beinchenabstand 0.1in (2.54mm); row single; Form ♀ (female)
2	8.2kΩ Resistor	bands 4; Widerstand 8.2kΩ; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
2	680Ω Resistor	bands 4; Widerstand 680Ω; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
1	1kΩ Resistor	bands 4; Widerstand 1kΩ; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
2	0Ω Resistor	bands 4; Widerstand 0Ω; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
2	12kΩ Resistor	bands 4; Widerstand 12kΩ; Paket THT; Beinchenabstand 400 mil; Toleranz ±5%
1	SPST Switch	Variante pth; Paket switch-spdt
1	SN72AHCT	true; Lochgröße 0.7mm,0.508mm; Beinchen 14; Paket DIP (Dual Inline) [THT]; Beinchenabstand 300mil; Chip-Beschriftung SN72AHCT

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