

Bill of Materials: robotling2_v3.fzz

G:\Dropbox___ROS___Circuit boards\board_robotling2\robotling2_v3.fzz

Mittwoch, April 7 2021, 19:20:30

Assembly List

Label	Part Type	Properties
Ai0/1	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
Ai1	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
D0/Ai2	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
I2C	Generic male header - 4 pins	row single; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
I2C1	Generic male header - 4 pins	row single; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
I2C2	Header 4	Variante smd2; Paket 1x04-1mm-ra
J1	Generic male header - 2 pins	row single; Beinchen 2; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
J2	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
J2	Generic female header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♀ (female)
J5	Generic female header - 20 pins	row single; Beinchen 20; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♀ (female)
J6	Generic female header - 20 pins	row single; Beinchen 20; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♀ (female)
LED1	Yellow (595nm) LED	leg yes; Strom 0.030; Paket 3 mm [THT]; Farbe Yellow (595nm)
M1	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
M2	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)

Label	Part Type	Properties
M3	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
Mod1	Raspberry Pi Pico	Variante variant 1; Typ tht
Q1	PNP-Transistor	Paket SOT-23 [SMD]; Typ PNP
R1	1kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1kΩ
R2	1.5kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1.5kΩ
R3	1kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1kΩ
R4	1kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1kΩ
R5	1.5kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1.5kΩ
R6	1.5kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1.5kΩ
R7	8.2kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 8.2kΩ
R8	8.2kΩ Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 8.2kΩ
R9	220Ω Resistor	bands 4; Toleranz ±5%; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 220Ω
S1	SPST Switch	Variante pth_lock; Paket switch-spdt_lock.007s
S2	Momentary Switch	Variante ksa_sealed; Paket ksa_sealed_tac_switch

Shopping List

Amount	Part Type	Properties
7	Generic male header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
2	Generic male header - 4 pins	row single; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)
1	Header 4	Variante smd2; Paket 1x04-1mm-ra
1	Generic male header - 2 pins	row single; Beinchen 2; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♂ (male)

Amount	Part Type	Properties
1	Generic female header - 3 pins	row single; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♀ (female)
2	Generic female header - 20 pins	row single; Beinchen 20; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Paket THT; Form ♀ (female)
1	Yellow (595nm) LED	leg yes; Strom 0.030; Paket 3 mm [THT]; Farbe Yellow (595nm)
1	Raspberry Pi Pico	Variante variant 1; Typ tht
1	PNP-Transistor	Paket SOT-23 [SMD]; Typ PNP
3	1k Ω Resistor	bands 4; Toleranz $\pm 5\%$; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1k Ω
3	1.5k Ω Resistor	bands 4; Toleranz $\pm 5\%$; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 1.5k Ω
2	8.2k Ω Resistor	bands 4; Toleranz $\pm 5\%$; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 8.2k Ω
1	220 Ω Resistor	bands 4; Toleranz $\pm 5\%$; Beinchenabstand 400 mil; Paket THT; Leistung 0.25; Widerstand 220 Ω
1	SPST Switch	Variante pth_lock; Paket switch-spd_t_lock.007s
1	Momentary Switch	Variante ksa_sealed; Paket ksa_sealed_tac_switch

Exported with Fritzing 0.9.6- <http://fritzing.org>