

Bill of Materials: robotling2_v3.fzz

G:/Dropbox/___ROS/___Circuit boards/board_robotling2/robotling2_v3.fzz

Samstag, April 10 2021, 08:05:02

Assembly List

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

Label	Part Type	Properties
M2	Generic male header - 3 pins	Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Lochgröße 1.0mm,0.508mm; row single; Paket THT; Beinchen 3
M3	Generic male header - 3 pins	Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Lochgröße 1.0mm,0.508mm; row single; Paket THT; Beinchen 3
Mod1	Raspberry Pi Pico	Variante variant 1; Typ tht
Q1	PNP-Transistor	Typ PNP; Paket SOT-23 [SMD]
R1	1kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 1kΩ; bands 4; Paket THT; Leistung 0.25
R2	1.5kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 1.5kΩ; bands 4; Paket THT; Leistung 0.25
R3	1kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 1kΩ; bands 4; Paket THT; Leistung 0.25
R4	1kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 1kΩ; bands 4; Paket THT; Leistung 0.25
R5	1.5kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 1.5kΩ; bands 4; Paket THT; Leistung 0.25
R6	1.5kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 1.5kΩ; bands 4; Paket THT; Leistung 0.25
R7	8.2kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 8.2kΩ; bands 4; Paket THT; Leistung 0.25
R8	8.2kΩ Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 8.2kΩ; bands 4; Paket THT; Leistung 0.25
R9	220Ω Resistor	Toleranz ±5%; Beinchenabstand 400 mil; Widerstand 220Ω; bands 4; Paket THT; Leistung 0.25
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
8	Generic male header - 3 pins	Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Lochgröße 1.0mm,0.508mm; row single; Paket THT; Beinchen 3
2	Generic male header - 4 pins	Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Lochgröße 1.0mm,0.508mm; row single; Paket THT; Beinchen 4
1	Header 4	Variante smd2; Paket 1x04-1mm-ra

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

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