

Bill of Materials: robotling2_v3.fzz

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

Samstag, April 10 2021, 10:02:25

Assembly List

Label	Part Type	Properties
Ai0/1	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
Ai1	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
D0/Ai2	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
I2C	Generic male header - 4 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 4; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
I2C1	Generic male header - 4 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 4; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
I2C2	Header 4	Paket 1x04-1mm-ra; Variante smd2
J1	Generic male header - 2 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 2; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
J2	Generic female header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J2	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
J3	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
J5	Generic female header - 20 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 20; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
J6	Generic female header - 20 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 20; Form ♀ (female); Lochgröße 1.0mm,0.508mm; row single
LED1	Yellow (595nm) LED	Farbe Yellow (595nm); Paket 3 mm [THT]; Strom 0.030; leg yes
M1	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single

Label	Part Type	Properties
M2	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
M3	Generic male header - 3 pins	Beinchenabstand 0.1in (2.54mm); Paket THT; Beinchen 3; Form ♂ (male); Lochgröße 1.0mm,0.508mm; row single
Mod1	Raspberry Pi Pico	Typ tht; Variante variant 1
Q1	PNP-Transistor	Typ PNP; Paket SOT-23 [SMD]
R1	1kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 1kΩ
R2	1.5kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 1.5kΩ
R3	1kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 1kΩ
R4	1kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 1kΩ
R5	1.5kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 1.5kΩ
R6	1.5kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 1.5kΩ
R7	8.2kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 8.2kΩ
R8	8.2kΩ Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 8.2kΩ
R9	220Ω Resistor	bands 4; Beinchenabstand 400 mil; Paket THT; Toleranz ±5%; Leistung 0.25; Widerstand 220Ω
S1	SPST Switch	Paket switch-spdt_lock.007s; Variante pth_lock
S2	Momentary Switch	Paket ksa_sealed_tac_switch; Variante ksa_sealed

Shopping List

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

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

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