Bill of Materials: robotling_version1_1.fzz

D:/User/Dropbox/__ROS/__Circuit boards/board_robotling/robotling_version1_1.fzz
Freitag, Oktober 19 2018, 23:20:33

Assembly List

Label	Part Type	Properties
Analog_In	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
Analog_In_b	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
Analog_In_c	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
Bauteil1	Lithium Ion Polymer Battery 3.7v 350mAh	Variante 350mAh; Bauteilnummer 2750
C1	Tantalum Capacitor	Kapazität 1μF; Spannung 6.3V; Paket 100 mil [THT, tantalum]
C2	Tantalum Capacitor	Kapazität 1μF; Spannung 6.3V; Paket 100 mil [THT, tantalum]
DIO	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
DIO_b	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
DIO_c	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
DRV8835	DRV8835	Variante variant 1; Beinchen 14; editable pin labels false; chip label DRV8835; Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]
Feather	Adafruit HUZZAH32 ESP32 Feather	Variante variant 1; Bauteilnummer Adafruit #3405
I2C	Generic female header - 6 pins	Lochgröße 1.0mm,0.508mm; Beinchen 6; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
J1	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
J2	Generic male header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; row single; Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Paket THT
J2_b	Generic male header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; row single; Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Paket THT

Label	Part Type	Properties
J3	Generic rounded female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female rounded); Beinchenabstand 0.1in (2.54mm); Paket THT
J4	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
LED	Generic female header - 3 pins	Lochgröße 1.0mm,0.508mm; Beinchen 3; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
LED1	Green (565nm) LED	leg yes; Farbe Green (565nm); Paket 3 mm [THT]
LSM303	Flora LSM303 Compass+Accel	Variante variant 1
MCP3208	MCP3208	Beinchen 16; Lochgröße 1.0mm,0.508mm; true; Chip-Beschriftung MCP3208; Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]
Motors	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT; Bauteilnummer Motor connector
R1	8.2kΩ Resistor	Widerstand 8.2kΩ; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
R2	8.2kΩ Resistor	Widerstand 8.2kΩ; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
R3	680Ω Resistor	Widerstand 680Ω; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
R4	680Ω Resistor	Widerstand 680Ω; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
R5	1kΩ Resistor	Widerstand 1kΩ; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
S1	SPST Switch	Variante pth; Paket switch-spdt
SN72AHCT125N	SN72AHCT	Beinchen 14; Lochgröße 0.7mm,0.508mm; true; Chip-Beschriftung SN72AHCT; Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]

Shopping List

Amount	Part Type	Properties
3	Generic female header - 8 pins	Lochgröße 1.0mm,0.508mm; Beinchen 8; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
1	Lithium Ion Polymer Battery 3.7v 350mAh	Variante 350mAh; Bauteilnummer 2750
2	Tantalum Capacitor	Kapazität 1µF; Spannung 6.3V; Paket 100 mil [THT, tantalum]
3	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT

Amount	Part Type	Properties
1	DRV8835	Variante variant 1; Beinchen 14; editable pin labels false; chip label DRV8835; Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]
1	Adafruit HUZZAH32 ESP32 Feather	Variante variant 1; Bauteilnummer Adafruit #3405
1	Generic female header - 6 pins	Lochgröße 1.0mm,0.508mm; Beinchen 6; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
2	Generic female header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
2	Generic male header - 2 pins	Lochgröße 1.0mm,0.508mm; Beinchen 2; row single; Form ♂ (male); Beinchenabstand 0.1in (2.54mm); Paket THT
1	Generic rounded female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female rounded); Beinchenabstand 0.1in (2.54mm); Paket THT
1	Generic female header - 3 pins	Lochgröße 1.0mm,0.508mm; Beinchen 3; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT
1	Green (565nm) LED	leg yes; Farbe Green (565nm); Paket 3 mm [THT]
1	Flora LSM303 Compass+Accel	Variante variant 1
1	MCP3208	Beinchen 16; Lochgröße 1.0mm,0.508mm; true; Chip-Beschriftung MCP3208; Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]
1	Generic female header - 4 pins	Lochgröße 1.0mm,0.508mm; Beinchen 4; row single; Form ♀ (female); Beinchenabstand 0.1in (2.54mm); Paket THT; Bauteilnummer Motor connector
2	8.2kΩ Resistor	Widerstand 8.2kΩ; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
2	680Ω Resistor	Widerstand 680Ω; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
1	1kΩ Resistor	Widerstand 1kΩ; bands 4; Beinchenabstand 400 mil; Toleranz ±5%; Paket THT
1	SPST Switch	Variante pth; Paket switch-spdt
1	SN72AHCT	Beinchen 14; Lochgröße 0.7mm,0.508mm; true; Chip-Beschriftung SN72AHCT; Beinchenabstand 300mil; Paket DIP (Dual Inline) [THT]

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