Bill of Materials: robotling_version1_2.fzz

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Sonntag, Oktober 28 2018, 11:34:59

Assembly List

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

Label	Part Type	Properties
J2_b	Generic male header - 2 pins	Form ♂ (male); row single; Paket THT; Beinchen 2; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
J3	Generic rounded female header - 4 pins	Form ♀ (female rounded); row single; Paket THT; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
J4	Generic female header - 2 pins	Form ♀ (female); row single; Paket THT; Beinchen 2; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
J5	Generic female header - 1 pins	Form ♀ (female); row single; Paket THT; Beinchen 1; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
J6	Generic female header - 1 pins	Form ♀ (female); row single; Paket THT; Beinchen 1; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
J7	Generic female header - 6 pins	Form ♀ (female); row single; Paket THT; Beinchen 6; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
LED1	Green (565nm) LED	Paket 3 mm [THT]; Farbe Green (565nm); leg yes
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; Paket DIP (Dual Inline) [THT]; Beinchen 16; Lochgröße 1.0mm,0.508mm; Chip-Beschriftung MCP3208; Beinchenabstand 300mil
Motors	Generic female header - 4 pins	Form ♀ (female); row single; Paket THT; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm); Bauteilnummer Motor connector
NP	Generic female header - 3 pins	Form ♀ (female); row single; Paket THT; Beinchen 3; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
R1	8.2kΩ Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 8.2kΩ; Beinchenabstand 400 mil
R2	8.2kΩ Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 8.2kΩ; Beinchenabstand 400 mil
R3	680Ω Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 680Ω; Beinchenabstand 400 mil
R4	680Ω Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 680Ω; Beinchenabstand 400 mil
R5	1kΩ Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 1kΩ; Beinchenabstand 400 mil
R6	0Ω Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 0Ω; Beinchenabstand 400 mil
R8	0Ω Resistor	Toleranz ±5%; Paket THT; bands 4; Widerstand 0Ω; Beinchenabstand 400 mil

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

Shopping List

Amount	Part Type	Properties
1	MAX4377T	Paket so08; Variante variant 1
3	Generic female header - 8 pins	Form ♀ (female); row single; Paket THT; Beinchen 8; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
2	Tantalum Capacitor	Kapazität 1µF; Paket 100 mil [THT, tantalum]; Spannung 6.3V
2	Tantalum Capacitor	Kapazität 4.7µF; Paket 100 mil [THT, tantalum]; Spannung 16V
3	Generic female header - 4 pins	Form ♀ (female); row single; Paket THT; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
1	DRV8835	editable pin labels false; Paket DIP (Dual Inline) [THT]; Variante variant 1; Beinchen 14; chip label DRV8835; Beinchenabstand 300mil
1	Adafruit HUZZAH32 ESP32 Feather	Variante variant 1; Bauteilnummer Adafruit #3405
2	Generic female header - 6 pins	Form ♀ (female); row single; Paket THT; Beinchen 6; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
2	Generic male header - 2 pins	Form ♂ (male); row single; Paket THT; Beinchen 2; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
1	Generic rounded female header - 4 pins	Form ♀ (female rounded); row single; Paket THT; Beinchen 4; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
1	Generic female header - 2 pins	Form ♀ (female); row single; Paket THT; Beinchen 2; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
2	Generic female header - 1 pins	Form ♀ (female); row single; Paket THT; Beinchen 1; Lochgröße 1.0mm,0.508mm; Beinchenabstand 0.1in (2.54mm)
1	Green (565nm) LED	Paket 3 mm [THT]; Farbe Green (565nm); leg yes
1	Lithium Ion Polymer Battery 3.7v 350mAh	Variante 350mAh; Bauteilnummer 2750

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

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