

DOOGIE TOP BOARD - BOM

Qty	Value	Device	Package	Parts	Description
2		CONN_12	1X12	J1, J2	Multi connection point. Often used as Generic Header-pin footprint for 0.1 inch spaced/style header connections
2	10k	R-EU_0204/7	0204/7	R5, R6	RESISTOR, European symbol
1	1N4004	1N4004	DO41-10	D3	DIODE
1	390R	R-EU_0204/7	0204/7	R2	RESISTOR, European symbol
1	74HC4051_SPARKFUN	74HC4051_SPARKFUN	74HC4051_SPARKFUN	U5	
1	750R	R-EU_0204/7	0204/7	R1	RESISTOR, European symbol
1	820R	R-EU_0204/7	0204/7	R3	RESISTOR, European symbol
1	ADC-4CH-ADS1115	ADC-4CH-ADS1115	ADC-4CH-ADS1115	U4	4 Channel 16-Bit Analog-to-Digital Converter based on ADS1115 chip
1	BC337	BC337	TO92	T1	NPN TRANSISTOR
1	F/TMB	F/TMB	F/TMB	BUZZER	BUZZER Source: Buerklin
2	GREEN	LED3MM	LED_3MM	D1, D2	LED (Generic)
1	GY-521MPU6050	GY-521MPU6050	GY-521	U3	
2	MOMENTARY-SWITCH-SPST-PTH	MOMENTARY-SWITCH-SPST-PTH	MOMENTARY-SWITCH-PTH_6.0M	S1, S2	Momentary Switch (Pushbutton) - SPST
1	RPI-ZERO	RPI-ZERO	RASPBERRY_PI_3B_PLUS	U1	
1	U1V10F5	U1V10F5	U1V10F5	U2	Pololu 5V Step-Up Voltage Regulator U1V10F5

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Qty	Value	Device	Package	Parts	Description
1		CONN_02JST-PTH-2	JST-2-PTH	J5	Multi connection point. Often used as Generic Header-pin footprint for 0.1 inch spaced/style header connections
2		CONN_03X2SHROUD	2X3-SHROUDED	J3, J4	Multi connection point. Often used as Generic Header-pin footprint for 0.1 inch spaced/style header connections
2		CONN_12	1X12	J1, J2	Multi connection point. Often used as Generic Header-pin footprint for 0.1 inch spaced/style header connections
2		M9040P	M9040P	S1, S2	TOGGLE SWITCH
4	1k8	R-EU_0204/7	0204/7	R4, R5, R6, R7	RESISTOR, European symbol
1	33R	R-EU_0204/7	0204/7	R11	RESISTOR, European symbol
2	47R	R-EU_0204/7	0204/7	R9, R13	RESISTOR, European symbol
3	680R	R-EU_0204/7	0204/7	R8, R10, R12	RESISTOR, European symbol
1	BATTERY HOLDER	BATTERY HOLDER	BATTERY HOLDER	BATTERY HOLDER	
3	BC337	BC337	TO92	T1, T2, T3	NPN TRANSISTOR
1	DC-DC-STEP-UP-MT3608	DC-DC-STEP-UP-MT3608	DC-DC-STEP-UP-MT3608	U1	DC/DC Step-Up Regulator based on MT3608 chip
1	IRF9530	IRF9530	TO220BV	Q6	P-CHANNEL HEXFET POWER-MOS-FET
4	SFH4545	SFH4545	SFH4545-AK	D1, D2, D3, D4	
1	TB6612FNG	TB6612FNG	TB6612FNG	U2	TB6612FNG Dual Motor Driver Carrier
4	TEFT4300	TEFT4300_5MM_RA	TEFT_5MM_RA	Q1, Q2, Q3, Q4	TEFT4300