

BOM::129009-1::Arduino Boek Kit1::v1.3

Description	Manufacturer	Reference	Footprint	Designation	Qty	Farnell	Digikey	RS
<i>Resistor</i>					16			
330 Ω, 5%, 0.25W			axial	R1	1			
220 Ω, 5%, 0.25W			axial	R2	1			
2.2 kΩ, 5%, 0.25W			axial	R3, R4	2			
680 kΩ, 5%, 0.25W			axial	R5	1			
100 Ω, 5%, 0.25W			axial	R6	1			
1 kΩ, 5%, 0.25W	Multicomp	MCF 0.25W 1K	axial	R8, R9, R12	3	9339051		
10 kΩ, 5%, 0.25W	Multicomp	MCF 0.25W 10K	axial	R7, R10, R11	3	9339060		
1 MΩ, 5%, 0.25W			axial	R13	1			
0 Ω			axial	R14	1			
LDR 200 kΩ	Exelitas	VT90N1		LDR1	1	2293503		
10 kΩ trimmer				P1	1	1227539		
<i>Capacitor</i>					10			
220 nF, X7R, 50 V	Multicomp	MCCR50224X7RK0050	5mm pitch	C1	1	1216441		
100 nF, Z5U, 50 V	Multicomp	MCCR50104Z5UM0050	5mm pitch	C2	1	1216445		
4.7 nF			5mm pitch	C3	1			
10 μF, 16 V			2.54mm pitch	C4, C5, C6	3			
<i>Semiconductor</i>					2			
1N5819	Diodes Inc	1N5819-T	DO41-10	D1, D2	2	1843714		
1N4148		1N4148	DO-35	D3, D4, D5, D6, D7, D8	6			
LED, green, 5 mm	Kingbright	L-1503GD		LED1	1	2335726		
IR LED, 940 nm, 5 mm	Multicomp	OFL-5102		LED2	1	1716710		
BC547C	On Semiconductor	BC547CZL1G	TO-92	T1	1	9558578		
IRL540	Vishay Siliconix	IRL540	TO-220AB	T2, T3	2	8651078		
TSOP34836	Vishay	TSOP34836		IC1	1	4913127		
DS18B20	Maxim	DS18B20+	TO-92	IC2	1	1187948		
MPX4115A	Freescale			IC3	1	1457150		
SHT11	Sensirion			IC4	1	1590511		
MLX90614AAA	Melexis			IC5	1			
<i>Misc.</i>								
Push button 6x6 mm	Alps	SKHHAMA010		S1, S2, S3	3	1656424		
Electret microphone, 6 mm	Kingstate	KECG2742PBL-A	through-hole	MIC1	1	1502742		
Pin header 1x2, 2.54 mm			through-hole 2.54 mm	JP1				
Pin header 1x3, 2.54 mm			through-hole 2.54 mm	JP2				
Pin header 1x6, 2.54 mm			through-hole 2.54 mm	K2, K3				
Pin header 1x8, 2.54 mm			through-hole 2.54 mm	K4, K5				
PCB terminal block, 6-way, 2.54 mm	Phoenix Contact	MPT 0,5/ 6-2,54 (1725698)	MPT05_6	K1	1	3041426		
LCD 2x16 with backlight	Midas	MC21605G6WD-SPTLY		LCD1	1	2063236		
Pin header 1x16, 2.54 mm	Fisher Elektronik	SL1.025.16Z	through-hole 2.54 mm	K6				
Pin socket, breakable, 1 row, 36-way, vert	Fisher Elektronik	BL1.36Z	EPP-SIL-F-xxx	For LCD	1	9728856		
Buzzer 12 mm	Pro Signal	ABT-410-RC	through-hole 6.5 mm	BUZ1	1	1022402		
Jumper	FCI	68786-202	n/a		2	1654800		
Pin header, breakable, 1 row, 40-way, ver TE Connectivity		4-103321-8	EPP-SIL-M-xxx	For JP1, JP2, K2-6	1	1098454		
PCB 129009-1 v1.3					1			