			Simon Says ATtiny BOM							
	Project Name:		**Simon Says Attiny**							
	Designer:		ElectronPlant							
	Revision:		Rev 1							
	Date Issue:		26/01/2018							
Reference	**Value**	**Installed**	**Comment**	**Manufacturer**	**MPN**	**Quantity**	**Unitary cost (€)**	**Total cost (€)**	**Fanell code**	**Digikey code**
U1	ATTINY45-20PU	Yes	Attiny45/85	Microchip	ATtiny45-20PU	1	0,969	0,969	1288352	ATTINY45-20PU-ND
NA	DIP8 socket	Yes	DIP 8 Socket	Multicomp	SPC15494	1	0,217	0,217	2668408	AE9986-ND
BZ1	Buzzer	Yes	16 ohm 2k buzzer	IMO	41.T70P015HLF	1	1,57	1,57	1191946	433-1020-ND
SW1	SW_DIP_x02	Yes	dip swtich 2 bits	Multicomp	MCNDS02	1	0,914	0,914	9472126	CT2062ST-ND
J1	AA_Battery	No				0	0	0		
J2	Cell_Battery	Yes	3V battery holder 20mm	Keystone	1066	1	0,969	0,969	1339839	BS-7-ND
B1, B2, B3, B4, B5	SW_Push	Yes	6mm push botton	Omron	B3F1002	5	0,167	0,835	1960936	450-1650-ND
D1	RED_LED	Yes	5 mm LED (diffuse light)	Multicomp	MCL053SRD	1	0,167	0,167	1581135	754-1264-ND
D3	GREEN_LED	Yes	5 mm LED (diffuse light)	Multicomp	MCL053GD	1	0,171	0,171	1581138	67-1099-ND
D4	YELLOW_LED	Yes	5 mm LED (diffuse light)	Multicomp	MCL053LYD	1	0,18	0,18	1581219	754-1284-ND
D2	BLUE_LED	Yes	5 mm LED (diffuse light) /ORANGE	Multicomp	MCL053AD	1	0,202	0,202	1581141	732-5015-ND
C1	22nF	Yes	SMD 0805	Murata	GRM216R71H223KA01D	1	0,0899	0,0899	8820104	490-1628-2-ND
C1, C2	0.1uF	Yes	SMD 0805	Multicomp	MC0805B104K160CT	1	0,04	0,04	1759143	399-1168-1-ND
R1, R5, R6, R7, R9	10k	Yes	SMD 0805 1% tolerance	Walsin	WR08X1002FTL	5	0,0483	0,2415	2502671	311-10.0KCRCT-ND
R2	20k	Yes	SMD 0805 1% tolerance	Multicomp	MCMR08X2002FTL	1	0,0202	0,0202	2073683	RNCP0805FTD20K0CT-ND
R3	30k	Yes	SMD 0805 1% tolerance	Walsin	WR08X3002FTL	1	0,0469	0,0469	2502713	311-30.0KCRCT-ND
R4	51k	Yes	SMD 0805	Walsin	WR08X513 JTL	1	0,0419	0,0419	2671056	311-51.0KCRCT-ND
R8	100R	Yes	SMD 0805	Multicomp	MC01W08055100R	1	0,113	0,113	9333703	P100DACT-ND
R10, R11, R12, R13	47R	Yes	SMD 0805	Walsin	WR08X47R0FTL	4	0,0461	0,1844	2502729	RHM47KCT-ND
			TOTAL COST per PCB					6,9718		
			TOTAL COST unitari cost					11.62€		