

Id	Designator	Package	Quantity	Designation	Supplier and ref	Link	Num RS	Precio
1	P1	Pin_Header_Straight	1	CONN_02X05				
2	C1,C2,C3,C4	C_0603	4	100nF/50V	AVX 100nF Multilayer Ceramic Capacitor (MLCC) 50V dc 0603 SMT Max. Op. Temp. +125°C AVX 100nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C TDK 100nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C Würth Elektronik 100nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount	http://int.rsdelivry	135-6234 698-3260 788-2985 135-8345	0,172 usd x unid 0.0340587USD 0.0904363USD 0.00587186USD
3	C5	PANASONIC_H13	1	100uF/63V	Panasonic Aluminium Electrolytic Capacitor 100uF 63V dc 10mm Surface Mount FK SMD Series +105°C Panasonic Aluminium Electrolytic Capacitor 100uF 63V dc 10mm Surface Mount TG Series +125°C NIC Components Aluminium Electrolytic Capacitor 100uF 63V dc 10mm Surface Mount NATT Series +125°C Vishay Aluminium Electrolytic Capacitor 100uF 63V dc 10mm Surface Mount 1012 146 CTI Series +125°C Panasonic Aluminium Electrolytic Capacitor 100uF 63V dc 10mm Surface Mount S Series +85°C Nippon Chemi-Con Aluminium Electrolytic Capacitor 100uF 63V dc 12.5mm Surface Mount KE0 MVH Series +125°C	http://int.rsdelivry	708-3623 569-427 737-2955 747-0650 867-5548 812-9081	0,57 USD 1.42 USD 0.37 USD 2.06 USD 0.90 USD 1.62 USD
4	C6	C_0603	1	100nF / 50V	AVX 100nF Multilayer Ceramic Capacitor (MLCC) 50V dc 0603 SMT Max. Op. Temp. +125°C AVX 100nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C TDK 100nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C Würth Elektronik 100nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount	http://int.rsdelivry	135-6234 698-3260 788-2985 135-8345	0,172 usd x unid 0.0340587USD 0.0904363USD 0.00587186USD
5	C7	C_0603	1	10uF / 10V	New AVX 10uF Multilayer Ceramic Capacitor MLCC 10V dc 0603 SMT Max. Op. Temp. +85°C Murata 10uF Multilayer Ceramic Capacitor MLCC 10V dc ±20% X5R Dielectric 0603 Surface Mount Max. Op. Temp. +85°C TDK 10uF Multilayer Ceramic Capacitor MLCC 10V dc ±10% X5R Dielectric 0603 Surface Mount Max. Op. Temp. +85°C Murata 10uF Multilayer Ceramic Capacitor MLCC 10V dc ±20% X7T Dielectric 0603 Surface Mount Max. Op. Temp. +125°C TDK 10uF Multilayer Ceramic Capacitor MLCC 10V dc ±20% X6S Dielectric 0603 SMT Max. Op. Temp. +105°C TDK 10uF Multilayer Ceramic Capacitor MLCC 10V dc ±20% X5R Dielectric 0603 SMT Max. Op. Temp. +85°C		135-8351 846-4727 788-2893 815-1349 915-9170 915-9117	0,58 USD 0,27 USD 0,65 USD 0,29 USD 0,51 USD 0,62 USD
6	C8	C_0603	1	0.1uF / 10 V	Würth Elektronik 100nF Multilayer Ceramic Capacitor MLCC 10V dc ±10% X7R Dielectric 0603 Surface Mount		839-2720	0,04 USD
7	C9	C_0603	1	47uF / 10 V	Murata 47uF Multilayer Ceramic Capacitor MLCC 6.3V dc ±20% X5R Dielectric 0603 Solder Max. Op. Temp. +85°C		901-5332	0,73 USD
8	C10	C_0603	1	220nF / 50V	TDK 220nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C Murata 220nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C Murata 220nF Multilayer Ceramic Capacitor MLCC 50V dc -20 → +80% Y5V Dielectric 0603 Max. Op. Temp. +85°C TDK 220nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C		788-2997 790-0566 723-5531 788-2994	0,23 USD 0,12 USD 0,06 USD 0,17 USD
9	C11	C_0603	1	10nF / 50 V	Murata 10nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C TDK 10nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C Murata 10nF Multilayer Ceramic Capacitor MLCC 50V dc ±5% C0G Dielectric 0603 Surface Mount Max. Op. Temp. +125°C TDK 10nF Multilayer Ceramic Capacitor MLCC 50V dc ±5% C0G Dielectric 0603 Surface Mount Max. Op. Temp. +125°C Sylfer Technology 10nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount AVX 10nF Multilayer Ceramic Capacitor MLCC 50V dc ±10% X7R Dielectric 0603 Surface Mount Max. Op. Temp. +125°C		204-0779 788-2981 815-1430 788-2988 773-8507 698-3254	0,02 USD 0,03 USD 0,04 USD 0,04 USD 0,11 USD 0,01 USD
10	D1	SOT-23	1	D_Schottky_x2_	BAS70-04-7-F Diodes Inc Dual SMT Schottky Switching Diode, Series, 70V 70mA, 5ns, 3-Pin SOT-23 Broadcom HSMS-2802-BLKG Dual SMT Schottky Diode, Series, 70V 15mA, 3-Pin SOT-23 BAV99 RF Taiwan Semi Dual SMT Diode, Series, 70V 200mA, 6ns, 3-Pin SOT-23 Fairchild MMBD4148SE Dual SMT Diode, Series, 100V 200mA, 4ns, 3-Pin SOT-23 BAS70-04FILM STMicroelectronics Dual SMT Schottky Diode, Series, 70V 70mA, 3-Pin SOT-23		738-4822 812-0543 687-2801 739-0436 714-0473	0,20 USD 0,43 USD 0,08 USD 0,14 USD 0,10 USD
11	J1	TerminalBlock_Pheor	1	CONN_STEPPE	Phoenix Contact COMBICON MKDS Series 3.5mm Pitch Straight, PCB Terminal Block, Through Hole, 4 Way		802-4852	1,47 USD
12	JP1	SOLDER-JUMPER_2	1	JUMPER3				
13	P2,P3	TerminalBlock_Pheor	2	CONN_01X02	Phoenix Contact COMBICON MKDS Series 3.5mm Pitch Straight, PCB Terminal Block, Through Hole, 2 Way		802-4849	0,73 USD
14	R1	R_0603	1	100	Panasonic ERA Series Metal Film Thin Film Surface Mount Fixed Resistor 0603 Case 1000 ±0.1% 0.1W ±25ppm/°C Bourns CR0603 Series Thick Film Surface Mount Fixed Resistor 0603 Case 1000 ±1% 0.1W ±100ppm/°C TE Connectivity CRG Series Thick Film Surface Mount Fixed Resistor 0603 Case 1000 ±1% 0.1W ±200ppm/°C Bourns CR0603 Series Thick Film Surface Mount Fixed Resistor 0603 Case 1000 ±5% 0.1W ±200ppm/°C Panasonic ERJ-P03 Series Thick Film Surface Mount Fixed Resistor 0603 Case 1000 ±1% 0.2W ±200ppm/°C Vishay TNPW Series Precision Thin Film Surface Mount Fixed Resistor 0603 Case 1000 ±0.1% 0.1W ±10ppm/°C	http://int.rsdelivry	566-535 740-8798 213-2143 740-8886 721-7261 684-5641	0,38 USD 0,02 USD 0,04 USD 0,02 USD 0,54 USD 0,66 USD
15	R2,R3	R_0603	2	39K	TE Connectivity CRG Series Thick Film Surface Mount Fixed Resistor 0603 Case 39kΩ ±1% 0.1W ±100ppm/°C Vishay CRCW Series Thick Film Surface Mount Fixed Resistor 0603 Case 39kΩ ±1% 0.1W ±100ppm/°C Panasonic ERA Series Metal Film Surface Mount Fixed Resistor 0603 Case 39kΩ ±0.1% 0.1W ±10ppm/°C Panasonic ERA Series Metal Film Surface Mount Fixed Resistor 0603 Case 39kΩ ±0.05% 0.1W ±10ppm/°C Panasonic ERA Series Metal Film Thin Film Surface Mount Fixed Resistor 0603 Case 39kΩ ±0.1% 0.1W ±25ppm/°C		213-2480 679-0285 661-8749 662-1082 566-816	0,004 USD 0,02 USD 0,61 USD 0,76 USD 0,08 USD
16	R4	R_0603	1	33K	TE Connectivity CRG Series Thick Film Surface Mount Fixed Resistor 0603 Case 33kΩ ±1% 0.1W ±100ppm/°C Panasonic ERA Series Metal Film Surface Mount Fixed Resistor 0603 Case 33kΩ ±0.05% 0.1W ±10ppm/°C Bourns CR0603 Series Thick Film Surface Mount Fixed Resistor 0603 Case 33kΩ ±5% 0.1W ±200ppm/°C		213-2474 662-1088 740-8940	0,05 USD 0,76 USD 0,02 USD
17	R5	R_0603	1	8.2K	TE Connectivity CRG Series Thick Film Surface Mount Fixed Resistor 0603 Case 8.2kΩ ±1% 0.1W ±100ppm/°C Vishay CRCW Series Thick Film Surface Mount Fixed Resistor 0603 Case 8.2kΩ ±1% 0.1W ±100ppm/°C Panasonic ERJ Series Thick Film Surface Mount Fixed Resistor 0603 Case 8.2kΩ ±0.5% 0.1W ±50ppm/°C		213-2395 679-0759 810-2325	0,004 USD 0,02 USD 0,03USD
18	RV1	Potentiometer_WireP	1	200K				
19	U1	tssop-28-pwp	1	L6470H	STMicroelectronics L6470H, Stepper Motor Driver IC, 45 V 3A, TSSOP 28-Pin	http://int.rsdelivry	828-9898	7,37 USD (x1) 6,51 USD(+50unid)