Facultad de Ciencias
UNER de la **Alimentación**

Componente	Referencia	Valor	Footprint
Resistencias de 50k	R10, R6, R2, R9, R5, R1	50k	Resistor_SMD:R_0805_2012Metric
Sensores infrarojos	J6, J5, J2, J4, J1, J3	SENSOR	Mis_componentes:TCRT5000
Resistencia de 120R	R12, R8, R4, R11, R7, R3	120R	Resistor_SMD:R_0805_2012Metric
Puente H	U1, U2	L9110	Package_DIP:DIP-8_W7.62mm
Capacitor de 22uF	C1, C2, C16, C15	22uF	Capacitor_SMD:CP_Elec_6.3x9.9
Conector para motores	J7, J8	Motor	Connector_JST:JST_EH_B2B-EH-A_1x02_P2.50mm_Vertical
Modulo WiFi ESP8266	U3	ESP-12F	RF_Module:ESP-12E
Capacitor de 100nF	C3, C4, C6, C5, C8, C12, C7	100nF	Capacitor_SMD:C_0805_2012Metric
Capacitor de 20pF	C10, C11	20pF	Capacitor_SMD:C_0805_2012Metric
Boton pulsador pequeño	SW1, SW2, SW3	Button	Button_Switch_SMD:SW_SPST_CK_RS282G05A3
Resistencia de 10k	R13, R22, R14, R19, R20	10k	Resistor_SMD:R_0805_2012Metric
PinHeader 01x03	J9	Flash enable	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
Cristal de 8MHz	Y1	8MHz	Crystal:Crystal_SMD_HC49-SD
Resistencia de 100k	R24, R21	100k	Resistor_SMD:R_0805_2012Metric
PinHeader 02x03	J12	BOOT MODE	Connector_PinHeader_2.54mm:PinHeader_2x03_P2.54mm_Vertical
PinHeader 01x04	J11	SWD	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical
Resistencia de 20R	R15, R16	20R	Resistor_SMD:R_0805_2012Metric
Conector micro USB hermbra	J10	USB	Connector_USB:USB_Micro-B_Molex_47346-0001
Resistencia de 4,7k	R17	4.7k	Resistor_SMD:R_0805_2012Metric
Resistencia de 20k	R18	20k	Resistor_SMD:R_0805_2012Metric
Capacitor de 4,7uF	C9	4.7uF	Capacitor_SMD:CP_Elec_3x5.4
LED verde	D3	LED	Diode_SMD:D_0805_2012Metric
LED naranja	D2	LED	Diode_SMD:D_0805_2012Metric
Resistencia de 10R	R25, R23	110R	Resistor_SMD:R_0805_2012Metric
Fusible rearmable de 500mA	F1	500mA	Fuse:Fuse_0603_1608Metric
Diodo de baja caida	D1	BAT60A	Diode_SMD:D_SOD-323
STM microcontrolador	U4	STM32F103C8Tx	Package_QFP:LQFP-48_7x7mm_P0.5mm
Conversor DC-DC a 5V	U5	LM2596S-5	Package_TO_SOT_SMD:TO-263-5_TabPin3
Capacitor de 220uF	C14, C13	220uF	Capacitor_SMD:CP_Elec_8x6.9
Inductor de 33uH	L1	33uH	Inductor_SMD:L_TDK_SLF6045
Conversor lineal 5V a 3,3V	U6	AMS1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2
Diodo Schotky	D4	1N5822	Diode_THT:D_DO-201AD_P15.24mm_Horizontal
Conector de bateria	J13, J14	Batería2	Battery:BatteryHolder_MPD_BH-18650-PC2