

cargador

Count:	26				
Comp:					
Item	Qty	Reference(s)	Value	LibPart	Footprint
	1	BT1	Battery	Battery	Battery_Holders:Bulgin_BX0036_1xC
	1	C1	10uF	CP	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_Hand
	1	C2	0.1uF	C	Capacitors_SMD:C_0805_HandSoldering
	1	C3	0.22uF	C	Capacitors_SMD:C_0805_HandSoldering
	1	C4	1uF	C	Capacitors_SMD:C_0805_HandSoldering
	1	C5	100uF	CP	Capacitors_SMD:CP_Elec_6.3x5.3
	1	C6	0.47uF	C	Capacitors_Tantalum_SMD:CP_Tantalum_Case-A_EIA-3216-18_Hand
	1	C7	47uF	CP	Capacitors_Tantalum_SMD:CP_Tantalum_Case-C_EIA-6032-28_Hand
	1	C8	330u 16V	CP	Capacitors_SMD:CP_Elec_6.3x7.7 (o sino 8x10, o sino 8x10.5)
	1	C9	10pF	C	Capacitors_SMD:C_0805_HandSoldering
	1	D1	LED	LED	LEDs:LED_1206_HandSoldering
	1	D2	1N5817	D_Schottky	Diodes_THT:D_DO-41_SOD81_P7.62mm_Horizontal
	1	J1	Barrel_Jack	conn:Barrel_Jack	Connectors:BARREL_JACK
	1	J2	Conn_01x04_Male	Conn_01x04_Male	Pin_Headers:Pin_Header_Straight_1x04_Pitch2.54mm
	3	JP1, JP2, JP3	Jumper	Jumper	Pin_Headers:Pin_Header_Straight_1x02_Pitch2.54mm
	1	L1	330uH	L_Core_Ferrite	footprints:Choke_PK0810
	1	R1	0.1	R	Resistors_SMD:R_2512_HandSoldering
	1	R2	120	R	Resistors_SMD:R_0805_HandSoldering
	1	R3	1k	R	Resistors_SMD:R_0805_HandSoldering
	1	R4	470	R	Resistors_SMD:R_0805_HandSoldering
	1	TH1	10K	Thermistor_NTC	R THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm. Ancho pata <0,8mm
	1	U1	BQ24004	bq24004:BQ24004	Housings_SSOP:HTSSOP-20-1EP_4.4x6.5mm_Pitch0.65mm_ThermalPad
	1	U2	LM2940-5V	lm2940:LM2940-5V	TO_SOT_Packages_SMD:SOT-223-3_TabPin2
	1	U3	LM2575-3.3 (*)	lm2575:LM2575-3.3	TO_SOT_Packages_SMD:TO-263-5_TabPin3
(*) De no conseguir LM2575-3.3V Un buen reemplazo es el LM2596-3.3V que tiene el mismo circuito, pero con diferentes valores de componentes.					
	1	U3	LM2596-3.3V	TO-263	
	1	L1	47uH	Radial pitch 5mm THT	PK0707. CODIGO ELEMON: FI1535090
	1	D1	1N5817 / 1N15819 / 1N5822	D_Schottky	Axial. Cualquiera de los 3: 1N5817 / 1N15819 / 1N5822 . THT
	2	C5,C8	330uFx16V		Capacitors_SMD:CP_Elec_6.3x5.3 (o sino 6.3x7.7, 8x10, 8x10.5)