

Bill of Materials

Bill of Materials for PCB Emergencia

Source Data From: BOM.BomDoc
 Project: PCB_Emergencia.PrjPcb
 Variant: 1.0

Designator	Name	LibRef	Footprint	Description	Quantity
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C15, C16, C17, C18, C19, C21, C22, C23	Capacitors.	CAP0805	0805		20
C13, C14	47u	47UF-50V-20%	PANASONIC_D		2
C20	4.7u	47UF-50V-20%	PANASONIC_D		1
D1, D4, D6	SS26FL	SS26FL	SS26FL		3
D2	LED Encendido	LED1206	LED-1206		1
D3	LED Parada	LED1206	LED-1206		1
D5	13V Zener MM1Z13	DIODE-ZENER16V	SOD-123		1
D7	LED Standby	LED1206	LED-1206		1
D8	LED Carga	LED1206	LED-1206		1
IC1	TP4056	TP4056	*SOP-8		1
JP1, JP2	JUMPER-PAD-2-NC_BY_PASTE	JUMPER-PAD-2-NC_BY_PASTE	PAD-JUMPER-2-NC_BY_PASTE_YES_SILK		2
L1	CDRH74	CDRH74	CDRH74		1
L2	SMMS1360	INDUCTOR	SMMS1360		1
Q1	IRF7832TRPBF	N-MOSFET-SO8S	SO-08		1
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R14, R15, R16, R18, R19, R20	Resistors.	RESISTOR0805-RES	0805		17
R12	20K	RESISTOR0805-RES	0805		1
R13, R17	3296W	3296W	3296W		2
U2	NCP1117	V_REG_LM1117SOT223	SOT223		1
U1	ATmega328-AU	ATmega328-AU	32A_N	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	1
Y1, Y2	16MHz	NX3225SA-16.000MHZ-STD-CSR-1	NDK NX3225SA	CRYSTAL 16.0000MHZ 8PF SMD	2
E_C1, E_C2	Header 2	Header 2	HDR1X2	Header, 2-Pin	2
P1	IDC2X4	IDC2X4	IDC2X4	Header, 4-Pin, Dual row	1
Prog1	Header 6	Header 6	HDR1X6	Header, 6-Pin	1
U4	MT3608	MT3608	*SOT23-6	High Efficiency 1.2MHz□ 2A Step Up Converter	1
MCP2	MCP2551T-I/SN	MCP2551T-I/SN	SOIC-SN8_N	High-Speed CAN Transceiver, 8-Pin SOIC, Industrial Temperature, Tape and Reel	1
J1	Conector JST	S2B-PH-K-S(LF)(SN)	*JST_S2B-PH-K-S(LF)(SN)	PH Series 2 Position 2.0 mm Through Hole Side Entry Shrouded Header	1
U3	LM2596S	LM2596S	LM2596S	Semiconductors and Actives	1
MCP1	MCP2515T-I/SO	MCP2515T-I/SO	SOIC-SO18_N	Stand-Alone CAN Controller With SPI Interface, 18-Pin SOIC, Industrial	1
S1	FSMSMTR	FSMSMTR	TE FSMSMTR	SWITCH TACTILE SPST-NO 0.05A 24V	1
J2	20020110-D021A01LF	20020110-D021A01LF	FCI 06-381-2PIN	TERM BLOCK HDR 2POS R/A 3.81MM	1
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