BOM Mazduino Compact v1.2

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Reference	Value	Footprint	Qty
C1,C2,C3,C4,C9,C10,C11,C15,C16,C18,C19,C20,C24,C30,C35,C36,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47	100nF	Capacitor_SMD:C_0603_1608Metric	26
C5,C6,C7,C12,C13,C14,C48	220nF	Capacitor_SMD:C_0603_1608Metric	7
C8	470pF	Capacitor_SMD:C_0603_1608Metric	1
C17	10uF	Capacitor_SMD:CP_Elec_5x5.3	1
C21	47uF	Capacitor_SMD:CP_Elec_5x5.3	1
C22,C25,C29,C31,C33	1uF	Capacitor_SMD:C_0603_1608Metric	5
C23,C26	12pF	Capacitor_SMD:C_0603_1608Metric	2
C27,C28	20pF	Capacitor_SMD:C_0603_1608Metric	2
C32,C34	2.2uF	Capacitor_SMD:C_0603_1608Metric	2
C37	47uF	Capacitor_SMD:CP_Elec_5x5.4	1
D1,D2,D3,D4,D7,D8,D9,D10	LED	LED_SMD:LED_0603_1608Metric	8
D5,D6,D11,D12	D	Diode_SMD:D_0603_1608Metric	4
D13,D16,D25,D26,D29,D31	1N4148W	Diode_SMD:D_SOD-123	6
D14	B130-13-F	Diode_SMD:D_SMA	1
D15	D_TVS	Diode_SMD:D_SMA	1
D17,D18,D19,D20,D21,D22,D23,D24,D27,D28,D30	BAT54S	Package_TO_SOT_SMD:SOT-23	11
F1,F2	0.5A	Fuse:Fuse_1206_3216Metric	2
J1	Conn_02x02_Top_Bottom	Connector_Molex:Molex_Micro-Fit_3.0_43045-0600_2x03_P3.00mm_Horizontal	1
J2	STLink	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	1
J3	USB_C_Receptacle_USB2.0	Connector_USB:USB_C_Receptacle_GCT_USB4105-xx-A_16P_TopMnt_Horizontal	1
J4	Conn_02x12_Top_Bottom	Connector_Molex:Molex_Micro-Fit_3.0_43045-2400_2x12_P3.00mm_Horizontal	1
J5	MSD-1-A	MSD_1_A:CUI_MSD-1-A	1
J6,J7,J8	Conn_01x02	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	3
JP1	Ignition Voltage	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm	1
JP2	CANH/Spare Input 1	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm	1
JP3	CANL/MAIN-RELAY	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm	1
LED1,LED2,LED3	RED	LED_SMD:LED_0603_1608Metric	3
Q1,Q2,Q3,Q4,Q6	Q_NMOS_GDS	Package_TO_SOT_SMD:TO-252-3_TabPin2	5
Q5,Q7,Q8,Q9,Q10	AO3400A	Package_TO_SOT_SMD:SOT-23	5
R1,R2,R3,R4,R15,R16,R19,R20,R43	100k	Resistor_SMD:R_0603_1608Metric	9
R5,R6,R7,R8,R17,R18,R21,R22,R29,R37,R41,R42,R47,R49	1k	Resistor_SMD:R_0603_1608Metric	14
R9,R10,R23,R24	2.4k	Resistor_SMD:R_0603_1608Metric	4
R11,R12,R25,R26,R87,R88	470r	Resistor_SMD:R_0603_1608Metric	6
R13,R28,R44,R65,R66,R71,R72,R73,R74	470	Resistor_SMD:R_0603_1608Metric	9
R14,R67,R68,R69,R70,R75,R76,R77,R78	910	Resistor_SMD:R_0603_1608Metric	9
R27,R64	10K	Resistor_SMD:R_0603_1608Metric	2
R30	3.9k	Resistor_SMD:R_0603_1608Metric	1
R31,R32,R34,R38,R39,R40,R48,R92	470R	Resistor_SMD:R_0603_1608Metric	8
R33,R45,R59,R62,R63,R84,R85,R90,R94	10k	Resistor_SMD:R_0603_1608Metric	9
R35,R36,R91	2.49k	Resistor_SMD:R_0603_1608Metric	3
R46,R60,R61,R89,R93	100R	Resistor_SMD:R_0603_1608Metric	5
R50,R51,R57	220R	Resistor_SMD:R_0603_1608Metric	3
R52,R53,R54,R55	15R	Resistor_SMD:R_2512_6332Metric	4
R56,R86	2k7	Resistor_SMD:R_0603_1608Metric	2
R58	1M	Resistor_SMD:R_0603_1608Metric	1
R79,R80	5.1K	Resistor_SMD:R_0603_1608Metric	2
R81,R82	22R	Resistor_SMD:R_0603_1608Metric	2
R83	4.7K	Resistor_SMD:R_0603_1608Metric	1
SW1,SW2	SW_Push	Button_Switch_SMD:SW_SPST_CK_RS282G05A3	2
U1	STM32F407VGTx	Package_QFP:LQFP-100_14x14mm_P0.5mm	1
U2,U4	TC4424A	TC4424AVOA:SOIC127P599X175-8N	2
U3	AMS1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2	1
U5,U6	MCP6004	MCP6004T_I_SL:SOIC127P600X175-14N	2
U7	MCP2551-I-SN	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	1
U8	LM2940S-5.0	Package_TO_SOT_SMD:TO-263-3_TabPin2	1
Y1	8Mhz	Crystal:Crystal_SMD_5032-2Pin_5.0x3.2mm	1
Y2	32.768KHz	Crystal:Crystal_SMD_3215-2Pin_3.2x1.5mm	1