

**Mazduino Dash Canbus BOM**

Qty	Reference	Value	Footprint
1	C1	10uF	Capacitor_SMD:C_1206_3216Metric
5	C2,C3,C5,C7,C12	22uF	Capacitor_SMD:C_0805_2012Metric
5	C4,C6,C8,C10,C11	0.1uF/100nF	Capacitor_SMD:C_0805_2012Metric
1	C9	100nF	Capacitor_SMD:C_0603_1608Metric
2	D1,D2	SS26	Diode_SMD:D_SMA
1	D3	SP0503BAHT	Package_TO_SOT_SMD:SOT-143
1	J1	Conn_01x02_Pin	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
1	J2	JST 4P	Connector_JST:JST_XH_B4B-XH-A_1x04_P2.50mm_Vertical
1	J3	TFT SPI	Connector_PinSocket_2.54mm:PinSocket_1x14_P2.54mm_Vertical
1	J5	USB_C_Receptacle_USB2.0	Connector_USB:USB_C_Receptacle_GCT_USB4105-xx-A_16P_TopMnt_Horizontal
1	J6	TFT SD	Connector_PinSocket_2.54mm:PinSocket_1x04_P2.54mm_Vertical
1	JP1	Jumper_2_Open	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
1	LED1	LED	LED_SMD:LED_0805_2012Metric
1	LED2	BLUE	LED_SMD:LED_0805_2012Metric
1	LED3	GREEN	LED_SMD:LED_0805_2012Metric
2	Q1,Q2	SS8050	Package_TO_SOT_SMD:SOT-23
4	R1,R6,R9,R10	10K	Resistor_SMD:R_0805_2012Metric
1	R2	22.1K	Resistor_SMD:R_0805_2012Metric
1	R3	10R	Resistor_SMD:R_0805_2012Metric
1	R4	47.5K	Resistor_SMD:R_0805_2012Metric
1	R5	2K	Resistor_SMD:R_0805_2012Metric
2	R7,R8	0R	Resistor_SMD:R_0805_2012Metric
1	R11	4.7K	Resistor_SMD:R_0603_1608Metric
3	R12,R13,R17	5k1	Resistor_SMD:R_0805_2012Metric
1	R14	120R	Resistor_SMD:R_0805_2012Metric
2	R15,R16	100R	Resistor_SMD:R_0805_2012Metric
1	R18	560K	Resistor_SMD:R_0805_2012Metric
2	SW1,SW2	SW_Push	Button_Switch_THT:SW_PUSH_6mm
1	U1	AMS1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2
1	U2	AMS1117-5.0	Package_TO_SOT_SMD:SOT-223-3_TabPin2
1	U3	ESP32-WROOM-32D	RF_Module:ESP32-WROOM-32D
1	U4	CP2102N-Axx-xQFN28	Package_DFN_QFN:QFN-28-1EP_5x5mm_P0.5mm_EP3.35x3.35mm
1	U5	MCP2551-I-SN	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
1	U6	ESP32-DevKitC	PCM_Esspressif:ESP32-DevKitC