

BOM Mazduino Display Canbus

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Qty	Reference	Value	Footprint
2	C1,C13	220uF	Capacitor_SMD:C_Elec_8x10.2
1	C2	100nF	Capacitor_SMD:C_0805_2012Metric
2	C3,C12	22uF	Capacitor_SMD:CP_Elec_5x5.4
5	C4,C6,C8,C10,C11	0.1uF/100nF	Capacitor_SMD:C_0805_2012Metric
2	C5,C7	22uF	Capacitor_SMD:C_0805_2012Metric
1	C9	100nF	Capacitor_SMD:C_0603_1608Metric
1	D2	SS14	Diode_SMD:D_SMA
1	D3	SP0503BAHT	Package_TO_SOT_SMD:SOT-143
2	D4,D5	SS36	Diode_SMD:D_SMA
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
2	J6,J7	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	L1	33uH	Inductor_SMD:L_10.4x10.4_H4.8
2	LED1,LED4	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
3	R3,R17,R18	470R	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
2	R12,R13	5k1	Resistor_SMD:R_0805_2012Metric
1	R14	120R	Resistor_SMD:R_0805_2012Metric
2	R15,R16	100R	Resistor_SMD:R_0805_2012Metric
1	R19	4.7K	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	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
1	U7	LM2596S-5	Package_TO_SOT_SMD:TO-263-5_TabPin3