

Blad1

Source: G:\Kicad\template\WIO_Prog2_V3\WIO_Prog2_V3
Date: 28-5-2024 15:21:17
Tool:
Generator:
Component Count:

REF	Value	LibPart
C1	Elco 1000 uF 25V	Device:CP
C2	Elco 1000 uF 25V	Device:CP
C3	Elco 100 uF 16V	Device:CP
C4	Capacitor 100nF pitch 2.5 mm	Device:C
C5	Capacitor 100nF pitch 2.5 mm	Device:C
C6	Capacitor 100nF pitch 2.5 mm	Device:C
C7	Capacitor 15 nF	Device:C
C8	Capacitor 15 nF	Device:C
C9	Capacitor 15 nF	Device:C
C10	Capacitor 15 nF	Device:C
C11	Capacitor 220 nF	Device:C
C12	Capacitor 220 nF	Device:C
C13	Capacitor 100nF pitch 2.5 mm	Device:C
C14	Capacitor 100nF pitch 2.5 mm	Device:C
C15	Capacitor 100nF pitch 2.5 mm	Device:C
C16	Capacitor 100nF pitch 2.5 mm	Device:C
CAN1	2 pin header with jumper	Connector:Screw_
D1	1N5822	Diode:1N5822
D2	1N5822	Diode:1N5822
D3	BAT85	Diode:BAT85
D4	BAT85	Diode:BAT85
D5	BAT85	Diode:BAT85
F1	multifuse 1,85 A	Device:Fuse_Smal
F2	multifuse 1,85 A	Device:Fuse_Smal
HS1	Heatsink_V_PR127_94-M3	Mechanical:Heats
I2C1	Conn_01x04 male	PSS 254/4G
IBB1	Conn_01x03_Male	PSS 254/3G
IC1	MCP2561-E-P	Interface_CAN_LI
IC2	P82B715	Interface_Expansi
IC3	PIC12F1840-IP	MCU_Microchip_P
IC4	L6203	L6203:L6203
IC5	L6203	L6203:L6203
IC6	6N137	Isolator:6N137
IC7	6N137	Isolator:6N137
J1	4 pins screw terminal	Connector:Conn_0
JP1	3 pin header with jumper	Connector:Conn_0
JP2	3 pin header with jumper	Jumper:Jumper_3_
JP3	3 pin header with jumper	Jumper:Jumper_3_
JP4	2 pin header with jumper	Device:Jumper
K1	FINDER-40.51	Relay:FINDER-40.
Le1	LED 3mm	Device:LED
Le2	LED 3mm	Device:LED
Le3	LED 3mm	Device:LED

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Le4	LED 3mm	Device:LED
PWR1	Conn_01x02_Male	Connector:Conn_C
R1	resistor 1 KOhm 0.125 Watt	Device:R
R2	resistor 1 KOhm 0.125 Watt	Device:R
R3	resistor 1 KOhm 0.125 Watt	Device:R
R4	resistor 3.3 KOhm 0.125 Watt	Device:R
R5	resistor 120 Ohm 0.125 Watt	Device:R
R6	resistor 220 Ohm 0.125 Watt	Device:R
R7	resistor 220 Ohm 0.125 Watt	Device:R
R8	resistor 1 KOhm 0.125 Watt	Device:R
R9	resistor 10 KOhm 0.125 Watt	Device:R
R10	resistor wirewound 0.47 Ohm 5	Device:R
R11	resistor 1 KOhm 0.125 Watt	Device:R
R12	resistor 10 KOhm 0.125 Watt	Device:R
R13	resistor 3.3 KOhm 0.125 Watt	Device:R
R14	resistor wirewound 0.47 Ohm 5	Device:R
R15	resistor wirewound 4.7 Ohm 2 V	Device:R
R16	resistor 1 KOhm 0.125 Watt	Device:R
R17	resistor 1 KOhm 0.125 Watt	Device:R
R18	resistor 4.7 KOhm 0.125 Watt	Device:R
R19	resistor 390 Ohm 0.125 Watt	Device:R
R20	resistor 390 Ohm 0.125 Watt	Device:R
R21	resistor 4.7 KOhm 0.125 Watt	Device:R
Rocnet1	RJ45	Connector:RJ45
SER1	SER1	PSS254/4G
T1	BC517	Transistor_BC517
U1	Lolin_32D	Lolin:Lolin_32D
VR1	R-78E5.0-1.0	Regulator_Switchi
VR2	NME0505SC	Converter_DCDC

l.sch

Footprint

Capacitor_THT:CP_Radial_D10.0mm_P5.00mm
 Capacitor_THT:CP_Radial_D10.0mm_P5.00mm
 Capacitor_THT:CP_Radial_D5.0mm_P2.50mm
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Capacitor_THT:C_Rect_L7.0mm_W2.0mm_P5.00mm
 Capacitor_THT:C_Rect_L7.0mm_W2.0mm_P5.00mm
 Capacitor_THT:C_Rect_L7.0mm_W2.0mm_P5.00mm
 Capacitor_THT:C_Rect_L7.0mm_W2.0mm_P5.00mm
 Capacitor_THT:C_Rect_L7.0mm_W2.0mm_P5.00mm
 Capacitor_THT:C_Rect_L7.0mm_W2.0mm_P5.00mm
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Capacitor_THT:C_Rect_L4.6mm_W2.0mm_P2.50mm_MKS02_FKP02
 Connector_Phoenix_MC:PhoenixContact_MCV_1,5_2-G-3.81_1x02_P3.81mm_Vertical
 Diode_THT:D_DO-201AD_P15.24mm_Horizontal
 Diode_THT:D_DO-201AD_P15.24mm_Horizontal
 Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal
 Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal
 Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal
 Fuse:Fuse_Bourns_MF-RG650
 Fuse:Fuse_Bourns_MF-RG650

 Heatsink:V_PR127_94_M3
 Connector_Molex:Molex_KK-254_AE-6410-04A_1x04_P2.54mm_Vertical
 Connector_Molex:Molex_KK-254_AE-6410-03A_1x03_P2.54mm_Vertical
 Package_DIP:DIP-8_W7.62mm
 Package_DIP:DIP-8_W7.62mm_Socket
 Package_DIP:DIP-8_W7.62mm
 Package_TO_SOT_THT:TO-220-11_P3.4x5.08mm_StaggerEven_Lead4.58mm_Vertical
 Package_TO_SOT_THT:TO-220-11_P3.4x5.08mm_StaggerEven_Lead4.58mm_Vertical
 Package_DIP:DIP-8_W7.62mm
 Package_DIP:DIP-8_W7.62mm
 Connector_Phoenix_MSTB:PhoenixContact_MSTBA_2,5_4-G-5,08_1x04_P5.08mm_Horizontal
 Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
 Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
 Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
 Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
 Relay_THT:Relay_SPDT_Finder_36.11
 LED_THT:LED_D3.0mm
 LED_THT:LED_D3.0mm
 LED_THT:LED_D3.0mm

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LED_THT:LED_D3.0mm

Connector_Phoenix_MSTB:PhoenixContact_MSTBA_2,5_2-G_1x02_P5.00mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0516_L15.5mm_D5.0mm_P20.32mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0516_L15.5mm_D5.0mm_P20.32mm_Horizontal

Resistor_THT:R_Axial_DIN0414_L11.9mm_D4.5mm_P15.24mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal

Connector_RJ:RJ45_Amphenol_54602-x08_Horizontal

Connector_Molex:Molex_KK-254_AE-6410-04A_1x04_P2.54mm_Vertical

Package_TO_SOT_THT:TO-92L_HandSolder

Converter_DCDC:Converter_DCDC_RECOM_R-78E-0.5_THT

Converter_DCDC:Converter_DCDC_Murata_MEE1SxxxxSC_THT