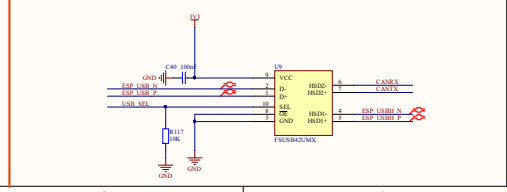


WRO064-G	LED	USB	SD	UART	CAN	Sensor
GPIO0	LED+ (VCC)	USB D+	SD CS	UART TX	CAN TX	Sensor VCC
GPIO1	LED-	USB D-	SD D0	UART RX	CAN RX	Sensor GND
GPIO2	GPIO	USB GND	SD D1	UART EN	CAN GND	Sensor VDD
GPIO3	GPIO	USB VCC	SD D2	UART GND	CAN VCC	Sensor GND
GPIO4	GPIO	USB D+	SD D3	UART TX	CAN TX	Sensor VDD
GPIO5	GPIO	USB D-	SD D4	UART RX	CAN RX	Sensor GND
GPIO6	GPIO	USB GND	SD D5	UART EN	CAN GND	Sensor VDD
GPIO7	GPIO	USB VCC	SD D6	UART GND	CAN VCC	Sensor GND
GPIO8	GPIO	USB D+	SD D7	UART TX	CAN TX	Sensor VDD
GPIO9	GPIO	USB D-	SD D8	UART RX	CAN RX	Sensor GND
GPIO10	GPIO	USB GND	SD D9	UART EN	CAN GND	Sensor VDD
GPIO11	GPIO	USB VCC	SD D10	UART GND	CAN VCC	Sensor GND
GPIO12	GPIO	USB D+	SD D11	UART TX	CAN TX	Sensor VDD
GPIO13	GPIO	USB D-	SD D12	UART RX	CAN RX	Sensor GND
GPIO14	GPIO	USB GND	SD D13	UART EN	CAN GND	Sensor VDD
GPIO15	GPIO	USB VCC	SD D14	UART GND	CAN VCC	Sensor GND
GPIO16	GPIO	USB D+	SD D15	UART TX	CAN TX	Sensor VDD
GPIO17	GPIO	USB D-	SD D16	UART RX	CAN RX	Sensor GND
GPIO18	GPIO	USB GND	SD D17	UART EN	CAN GND	Sensor VDD
GPIO19	GPIO	USB VCC	SD D18	UART GND	CAN VCC	Sensor GND
GPIO20	GPIO	USB D+	SD D19	UART TX	CAN TX	Sensor VDD
GPIO21	GPIO	USB D-	SD D20	UART RX	CAN RX	Sensor GND
GPIO22	GPIO	USB GND	SD D21	UART EN	CAN GND	Sensor VDD
GPIO23	GPIO	USB VCC	SD D22	UART GND	CAN VCC	Sensor GND
GPIO24	GPIO	USB D+	SD D23	UART TX	CAN TX	Sensor VDD
GPIO25	GPIO	USB D-	SD D24	UART RX	CAN RX	Sensor GND
GPIO26	GPIO	USB GND	SD D25	UART EN	CAN GND	Sensor VDD
GPIO27	GPIO	USB VCC	SD D26	UART GND	CAN VCC	Sensor GND
GPIO28	GPIO	USB D+	SD D27	UART TX	CAN TX	Sensor VDD
GPIO29	GPIO	USB D-	SD D28	UART RX	CAN RX	Sensor GND
GPIO30	GPIO	USB GND	SD D29	UART EN	CAN GND	Sensor VDD
GPIO31	GPIO	USB VCC	SD D30	UART GND	CAN VCC	Sensor GND



UART2

TXD
RXD
GND
3V3

SD1

ESP32-S3-Touch-LCD-7

800×480 Pixels



Waveshare

UART1

Type_C1

USB

Type_C2

U8

C46
C45
P1

R108
R113
C42
C47
C48
R91
R101
R90
R99
R116
C9
C11
C10
C8
U5
C24
R110
C23
R109

C9

U5

C24
R110
C23
R109

J2
1 6

I2C
3V3 5V
H2

R77
R87
C15
U7

R75
D18
R86

C16
C12
C28
R73

D16
D15

D11
C4
D17

C29
R82

F2
F1

C3
R64
R31
C5

U4
D12

F2
F1

R44
R30
C7
L2

U4
D12

F2
F1

R44
R30
C7
L2

U4
D12

F2
F1

TP1

R9
R8
R13
R12
R11

R19
R6
R7
R106
C31

R18
R106
C31

R9
R8
R13
R12
R11

R19
R6
R7
R106
C31

R18
R106
C31

R59
R56
R45
R53
R52
R22
R21

R58
C37
R1
C32
C22
C13
R54
C33
R57
R55
D5
R70

R18
R106
C31

C39
C36
R43
R17

L1
U2

R18
R106
C31

JLCJLQJLCJLC

1 50

VCOM

R58
R59
R56
R45
R53
R52
R22
R21

RESET

K1

BOOT

C37
R1
C32
C22
C13
R54
C33
R57
R55
D5
R70

BOOT

K2

UART1

C32
C22
C13
R54
C33
R57
R55
D5
R70

UART1

SW1

UART2

C13
R54
C33
R57
R55
D5
R70

UART2

SW1

RS-485
120R NC



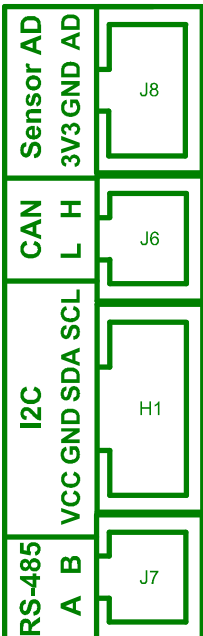
CAN
120R NC



Battery



DONE Led2
CHARGE Led1
POWER PWR1



Sensor AD
CAN
I2C
RS-485