

soartronic_uart_interface_v2_partlist

Part n.	Part		Mfg.	Raster	Note
J1	RJ45GE	RJ45 connector	NINIGI		
J2	RJ45GE				
J3	RJ45GE				
U1	MAX232	MAX232			
U2	MAX233				
C1	1uF	ceramic capasitor		R.2.5 mm	*1
C2	1uF				
C3	1uF				
C4	1uF				
C5	1uF				
C6	1uF				
C7	1uF				
C8	1uF				
C9	1uF				
C10	1uF				
C17	100nF			R.2.5mm	
C15	330uF/16v				*2
C18	330uF/16v				
L1	1uH/1.5A				*2
D1	1N4148				
D2	1N4148				
D7	1N5819				*3

OPTIONAL PARTS. No software support yet.

R1	470
D3	LED
R2	24K
R3	6.8K
D4	NOT USED!

*1 Refer max232 datasheet for correct valut of c1-c10.

*2 L1 and C15 are used to kill electrical noice.
C15 can be left out and L1 replaced by wire link.

*3 D7 is used for reverse polarity protection and can be left out.