

Interface Parts Listing

Part Reference	Qty	Value
C1, C2, C3, C5,	4	100uf
C4,	1	0.001uf
C6, C10, C26, C27, C28, C29, C30, C31, C32.	9	0.1uf
C7, C8, C9, C11, C17,	5	10uf
C12, C13, C14, C15, C16, C18,	6	1uf
C19, C20, C21, C22, Not needed if CH340C supplied	4	20pf
D1,	1	CI-V LED
D2,	1	1N4148
D3,	1	PTT LED
D4,	1	FSK LED
J1,	1	CI-V
J2, J3,	2	USB_A
J4,	1	USB_B
J5,	1	Mic in from USB
J6,	1	Audio out from USB
J7,	1	RJ45
J8,	1	Conn_01x04_Female
J9,	1	PTT FSK
J10,	1	Audio in
J11,	1	DB9_Male_MountingHoles
L1, L2,	2	1uH
R1, R4, R5, R8, R9, R10, R11, R13,	8	1KΩ
R2, R6, R7,	3	220Ω
R3,	1	10KΩ
R12,	1	100Ω
R14, R15,	2	0Ω
RV1, RV2,	2	10KΩ
SW1,	1	PTT to RTS_UP/DTR_Down
TR1, TR2,	2	TRANSF1+CT
U1,	1	74LS365
U2, U5,	2	CH340C
U3,	1	SL2.1A
U6,	1	PC827 or 2x Dual Optocoupler
U7,	1	MAX3232
Y1, Y2, Y3. Only Y2 Needed if CH340C is supplied.	3	12MHz
USB A Sockets	2	
USB B Socket	1	
Knobs for Pots	2	
CI-V 3.6mm Socket	1	
FSK/PTT & Audio In/Out 3.5mm sockets	2	
D9 Socket	1	
RJ45 Socket	1	
Case	1	

NOTE:

IC's U2 and U5, if you are using the CH340G version, then Y1, Y3 and C19 - C22 are required. These parts are NOT required if you are fitting the CH340C version.