

Comment	Description	Designator	Footprint
22pF	Capacitor	C1, C2	Ceramic Capacitor
100nF	Capacitor	C3	Ceramic Capacitor
USB_TTL_6_socket	Female Header	H1	TTL USB (6 SOCKETS)
crystal connection	Male Header, 4-Pin	P1	HDR1X4
Power rail	Male Header, 2-Pin	P2	HDR1X2
Serial comm	Male Header, 3-Pin	P3	HDR1X3
Power rail (offsetted)	Male Header, 2-Pin	P4	HDR1X2
Resistor	10K Resistor	R1	AXIAL-0.3
Push button	SWITCH TACTILE SPST-NO	SW1	FP-FSM103-MFG
16MHz crystal	Resistance Weld Thru-Hole	Y1	FOX-FOXSLF160-20
USB TTL adapter	FT232RL		
Mini USB B cable			
A red wire			

Tools

Soldering iron

Wire stripper and cutter

Something for cutting the headers

LibRef	Quantity
capacitor	2
capacitor	1
USB_TTL_6_socket	1
Header 4	1
Header 2	1
Header 3	1
Header 2	1
Res1	1
CMP-03407-000037-1	1
CMP-1749-00003-1	1