

C:\dirpers\Progetti x MCU\MIRTILLO-RED\hw\MIRTILLO-RED_3\MIRTILLO-RED.kicad_sch

06/06/2023 14:46:08

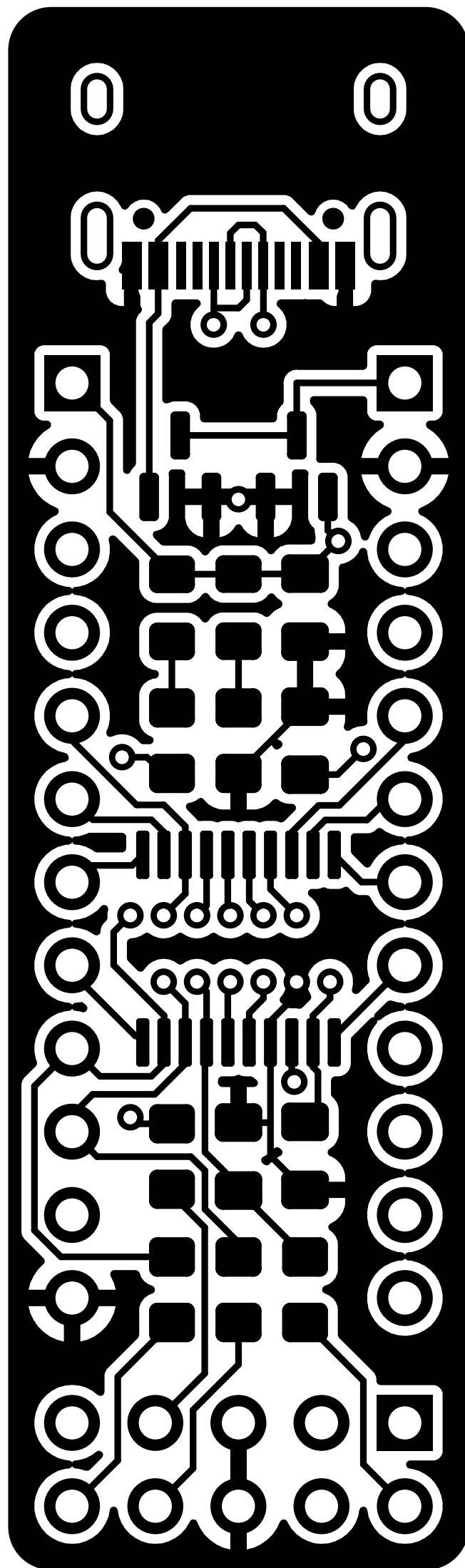
Eeschema 7.0.2

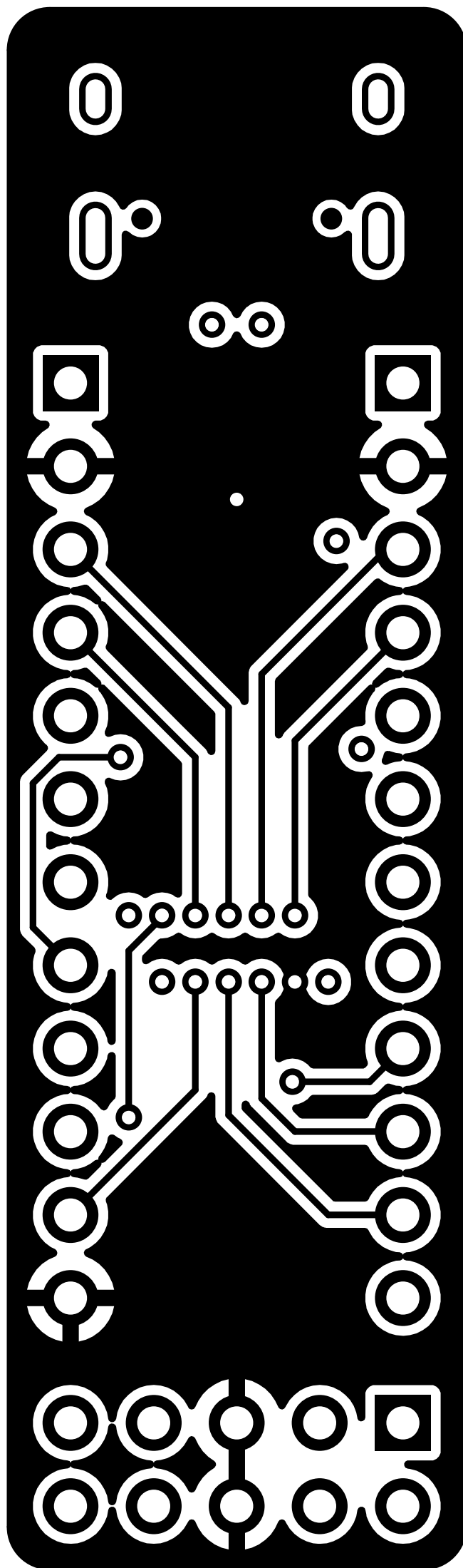
Component Count:30

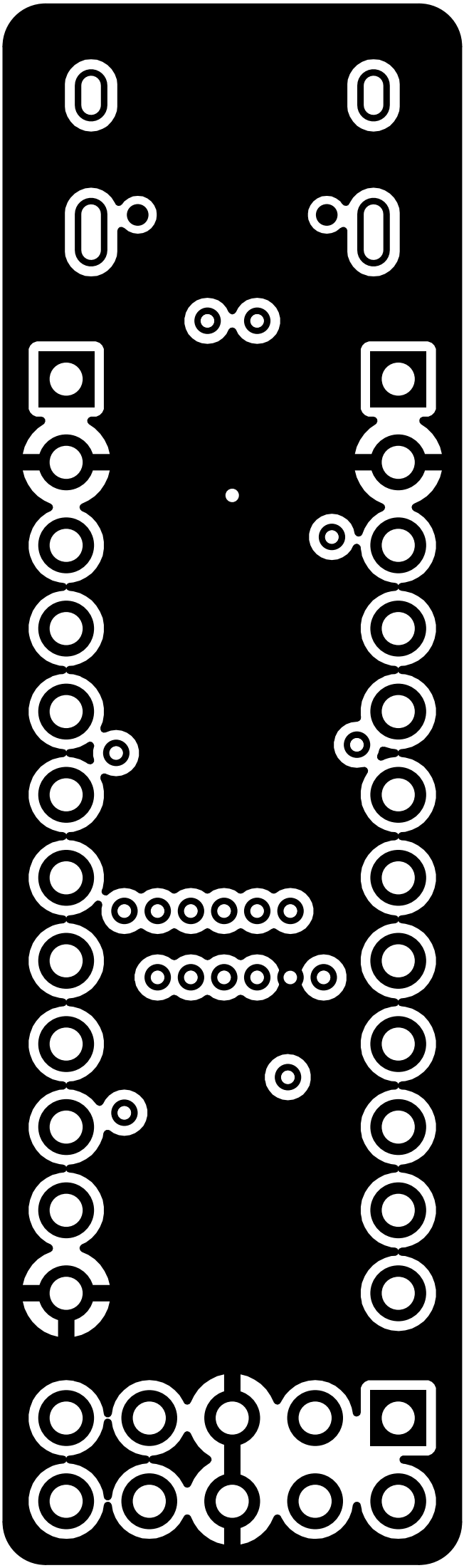
Ref	Qnty	Value	Part	Footprint	Description	Vendor DNP
C1, C2, C3, 5 C5, C6		100nF	Device:C	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Unpolarized capacitor	
C4 1		10uF	Device:C	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Unpolarized capacitor	
D2 1		BAT54C	Diode:BAT54C	Package_TO_SOT_SMD:SOT-23	dual schottky barrier diode, common cathode	
D3 1		LED GREEN	Device:LED	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder	Light emitting diode	
D4 1		LED RED	Device:LED	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder	Light emitting diode	
J1, J2 2		Conn_01x12	Connector_Generic:Conn_01x12	Connector_PinHeader_2.54mm:PinHeader_1x12_P2.54mm_Vertical	Generic connector, single row, 01x12, script generated (kicad-library-utils/schlib/autogen/connector/)	
J3 1		USB_C_Receptacle	Connector:USB_C_Receptacle	Connector_USB:USB_C_Receptacle_HRO_TYPE-C-31-M-12	USB Full-Featured Type-C Receptacle	

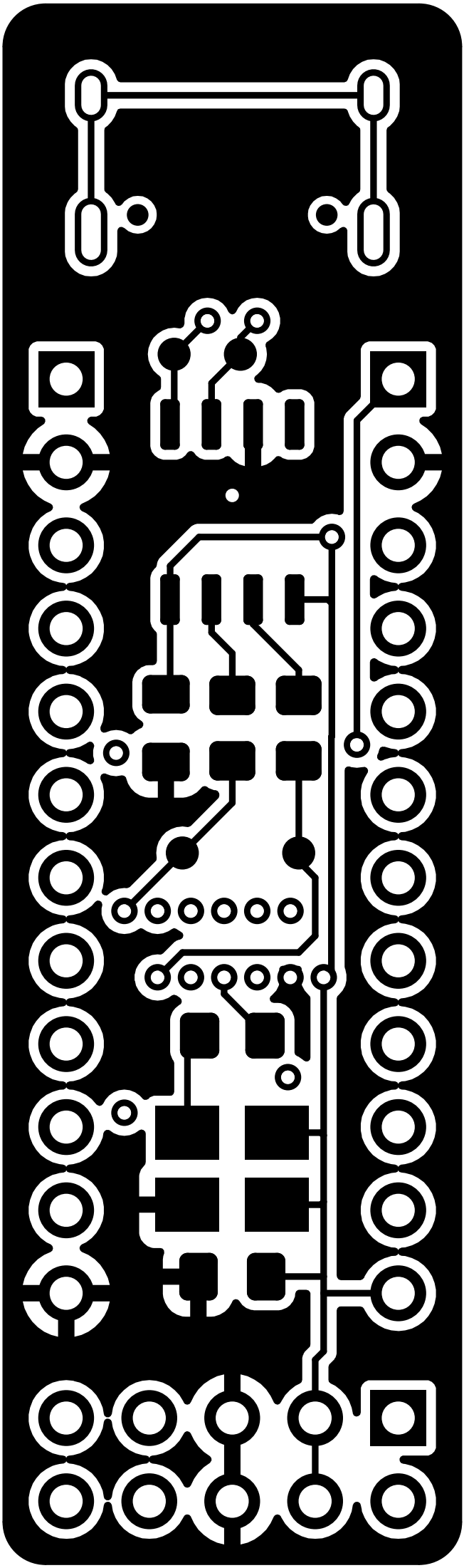
					connector Generic connector, double row, 02x05, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers), script generated (kicad-library- utils/schlib /autogen /connector/)	
J4	1	DEBUG	Connector_Generic:Conn_02x05_Odd_Even	Connector_PinHeader_2.54mm:PinHeader_2x05_P2.54mm_Vertical		
R1, R4	2	33	Device:R_US	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	Resistor, US symbol	
R2, R3	2	1K	Device:R_US	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	Resistor, US symbol	
R5	1	33	Device:R_US	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	Resistor, US symbol	DNP
R6, R7, R8, R10	4	10K	Device:R_US	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	Resistor, US symbol	
TP1	1	D+	Connector:TestPoint	TestPoint:TestPoint_Pad_D1.0mm	test point	
TP2	1	D-	Connector:TestPoint	TestPoint:TestPoint_Pad_D1.0mm	test point	
TP3	1	UTX	Connector:TestPoint	TestPoint:TestPoint_Pad_D1.0mm	test point	
TP4	1	URX	Connector:TestPoint	TestPoint:TestPoint_Pad_D1.0mm	test point	
U1	1	MCP1703Ax- 330xxTT	Regulator_Linear:MCP1703Ax-330xxTT	Package_TO_SOT_SMD:SOT-23	Low Quiescent Current LDO Regulator, 3.3V, 250mA, Vin<=16V, SOT-23 WCH	
U2	1	CH32V003F4P6	MCU_WCH_CH32V003:CH32V003F4P6	Package_SO:TSSOP-20_4.4x6.5mm_P0.65mm	Microcontroller, QingKe 32-bit RISC-V core,	

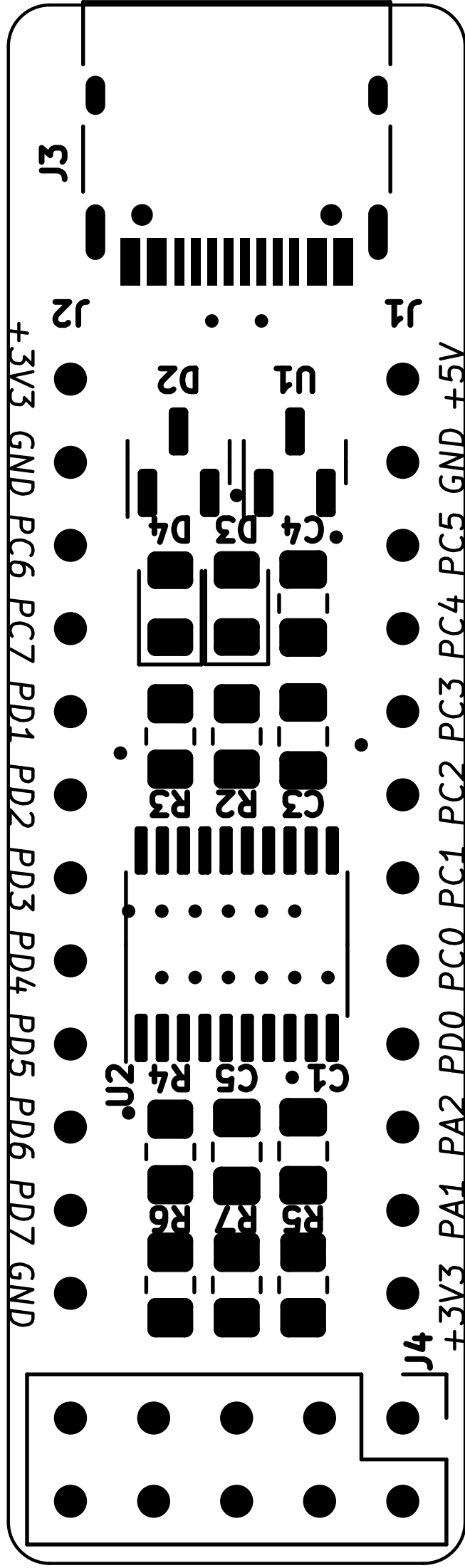
					16Kbyte FLASH, 2 Kbyte SRAM, 1 ADC 10bits, USART, I2C, SPI, SDI 1-wire debug interface WCH CH320N USB to USART Bridge Crystal Clock Oscillator, SMD package 7.5x5.0mm ²
U3	1	CH340N	MCU_WCH_USB_to_USART_Bridge:CH340N Package_SO:SSOP-8_3.9x5.05mm_P1.27mm		
X1	1	ABRACON ASE2-24.000MHZ- L-C-T	Oscillator:Oscillator_SMD_Abracon_ASE- 4Pin_3.2x2.5mm_HandSoldering		











WIRTLITO RED #3



Lb5
Lb1

n2

B8 B10
Ce

Lb3
Lb4

B7

X1

C3

MIRTILLO RED #3

