Microcontroller

U1
CH554E

LED
RXD
TXD

1	P1.4	V33	10
2	P1.5	VCC	9
3	P1.6	GND	8
4	P1.7	UDM	7
5	RST	UDP	6

3V3 +5V +5V

USB1
HOST

1	VCC	SHLD	5
2	D-		
3	D+		
4	GND	SHLD	6

UDP

3V3   +5V   +5V

C1   C2   C3
100n   100n   10u

GND   GND   GND
GND   GND

Status LEDs

+5V

LED

R1   LED1
1k   BSY

R2   LED2
1k   PWR

GND

USB to Serial Converter

+5V

U2
CH340N

USB2
SERIAL

	+5V
4	RTS#	VCC	5
3	GND	TXD	6
2	UD-	RXD	7
1	UD+	V3	8

+5V   R4
          1k

RXD
TXD

C4   C5
100n   100n

GND GND   GND   GND

Boot Button

3V3

UDP

R3   SW1
10k   BOOT

TITLE:
CH554 USB Host DevBoard

REV: 1.0

Company: wagiminator

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Date: 2022-12-04   Drawn By: Stefan Wagner