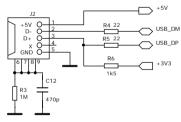
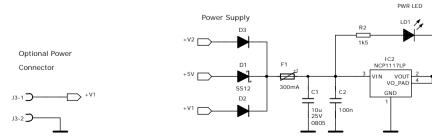
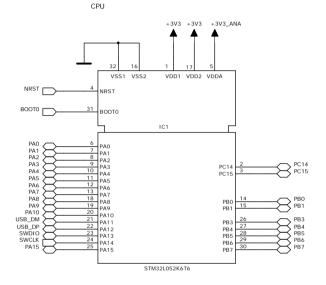


USB B Connector





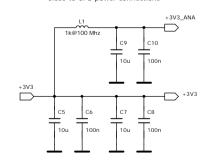


C3

100n

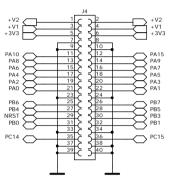
Decoupling Capasitors

Close to CPU power connections

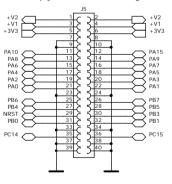


X1 X2 X3 X4 Q Q Q

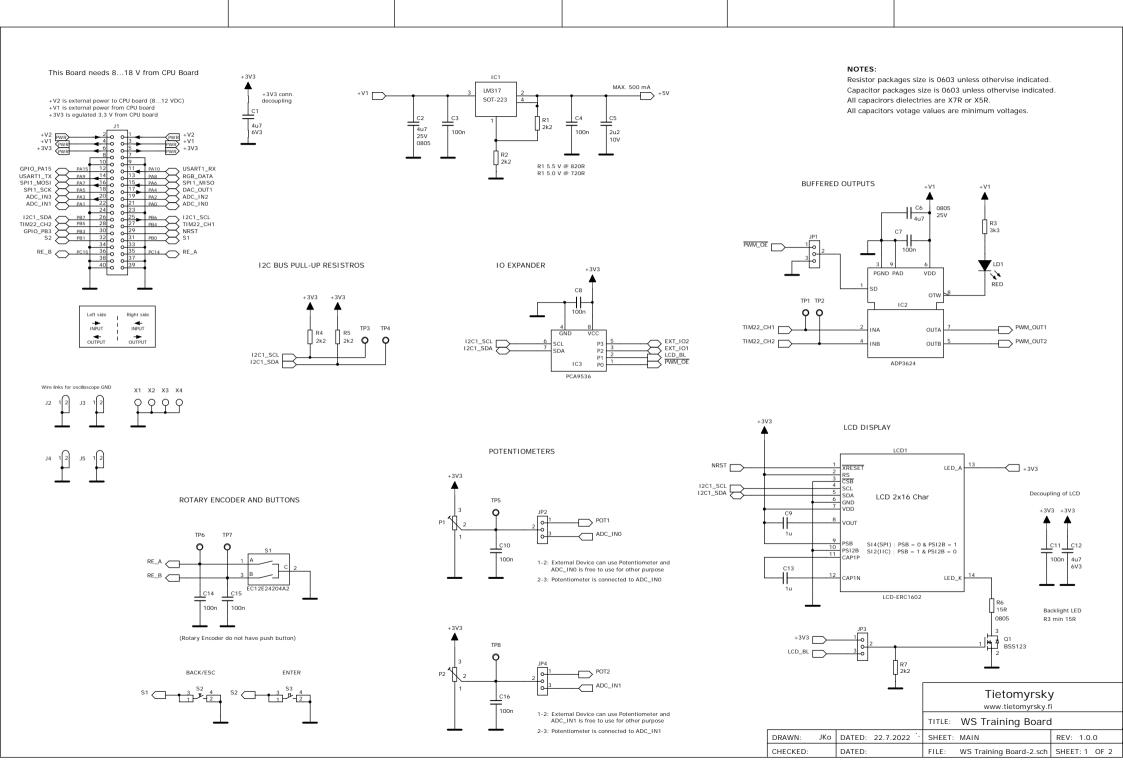
Task Board connector



Empty connector for measuring



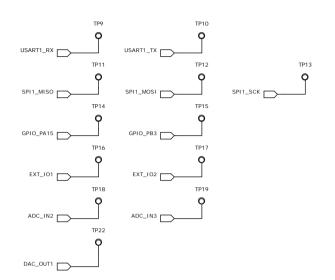
		Tietomyrsky www.tietomyrsky.fi		
		TITLE: S	STM32L052 WS CPU	
DRAWN: JKo	DATED: 15.4.2017 .	SHEET: M	MAIN	REV: 1.0.0
CHECKED:	DATED:	FILE: W	VS-STM32L052CPU-3.sch	SHEET: 1 OF 1

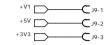




POWER SUPPLYES FOR APPLICATION

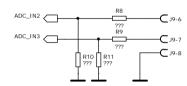
PIN HEADER CONNECTORS FOR APPLICATION





BUFFERED OUTPUTS FOR APPICATION

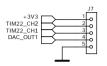
This can be normal outputs or PWM outputs. Voltage levels depends +V1 (+3V3....+18V)



Voltage divider resistors R8...R11 are THT 1/8 W

The values of the resistors depend on the voltage to be measured.

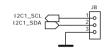
If the voltage is 3.3V or lower, the series resistors can be replaced with a jumper link



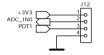
EXT_IO2

ADC_IN2







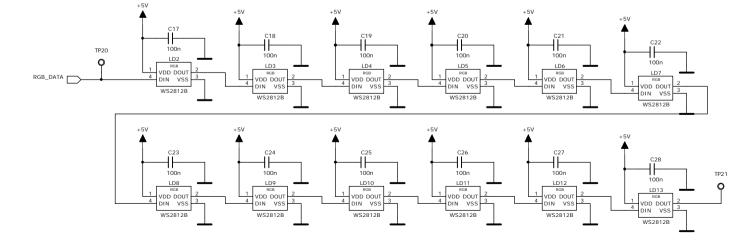




+3V3 1 0 GPIO_PA15 2 0



INTELLIGENT CONTROLLED RGB LEDS



Tietomyrsky
www.tietomyrsky.fi

TITLE: WS Training Board

 DRAWN:
 JKo
 DATED:
 22.7.2022 **
 SHEET:
 LEDS
 REV:
 1.0.0

 CHECKED:
 DATED:
 FILE:
 WS Training Board-2.sch
 SHEET:
 2
 0F
 2