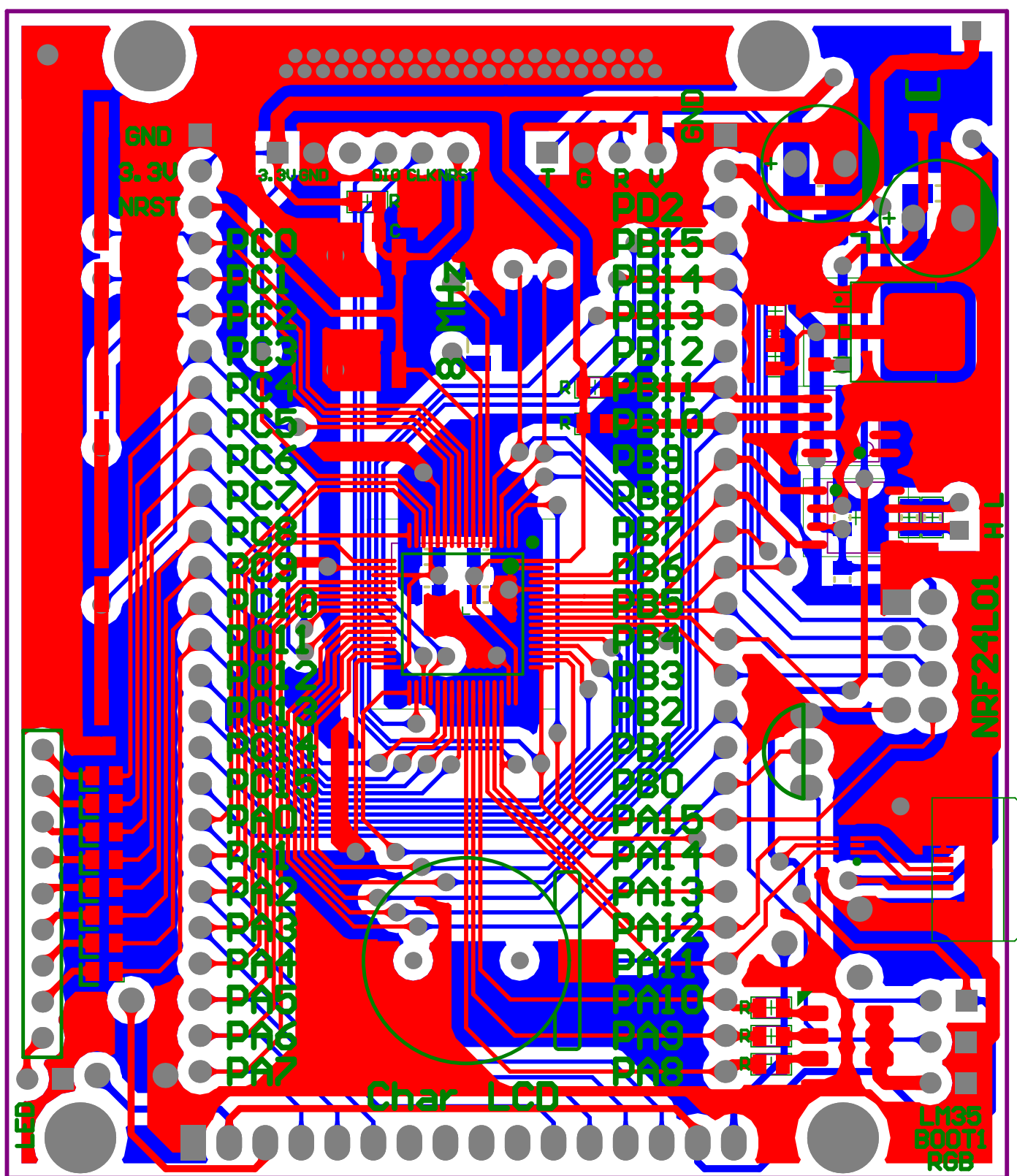


Title: EducationalBoardV2F103RBT6		
Designed by Arshad Alaghatband		
https://github.com/ArshadAlaghatband		
Size	Number	Revision
C	V 2.1	
Date:	10/30/2021	Sheet of
File: C:\Users\Arshad\Documents\EducationalBoardV2F103RBT6\EducationalBoardV2F103RBT6.sch		



Comment	Description	Footprint	Quantity
BatteryHolder		Battery Holder CR1220-SMD	1
470uF	Polar Capacitor	cap 03	2
100nF	Bipolar Capacitor	SMD_CAP_0805	9
10UF	Bipolar Capacitor	SMD_CAP_0805	2
18pF	Bipolar Capacitor	SMD_CAP_1206	2
Diodes		DO-214AC (SMD Diode)	1
header 27		PCBComponent_1	2
LED RGB	LED 5050 RGB	LED_5050	1
LCD-CH		LCD2-16	1
LED	[NoValue], LED Red	LED0805	9
Screw	Board Screw With Spacer	Board Screw_No Silk	4
NRF24L01+_Modu le		NRF24L01+_Modu le	1
programming socket	Header, 6-Pin	HDR1X6	1
jumper	Header, 2-Pin	HDR1X2	4
MCP2551	CAN TRANSCIEVERS	MCP2551	1
can Connector		PH Connector 2Pin	1
330	Resistor	RES 0805 (2012X06L)	4
ArrayResistor9pin		ArrayRes9	1
1K	Resistor	RES 0805 (2012X06L)	1
120	Resistor	RES 0805 (2012X06L)	2
4.7K	Resistor	RES 0805 (2012X06L)	2
=partNo	WS-DITV 2.54 mm compact THT with flat actuator	418117170901	1
Switch PB	Push Button Switch	SW-PB	5
usart connector		SerialWireMini	1
LD1117		TO-252-reg	1
STM32F103RBT6	ARM Cortex-M3 32- bit MCU	STM-LQFP64_N	1
AT24C08BN	Serial EEPROM	8S1_N	1
LM35		LM35	1
USBL6-2	Very low capacitance ESD protection;	USBL6-2	1
USB OTG		USB_Micro	1
10K	Variable Resistor	Pot 00	2
8MHz	XTAL Crystal	XTAL Small	1
11.0592 MHz	XTAL Crystal	XTAL RTC	1