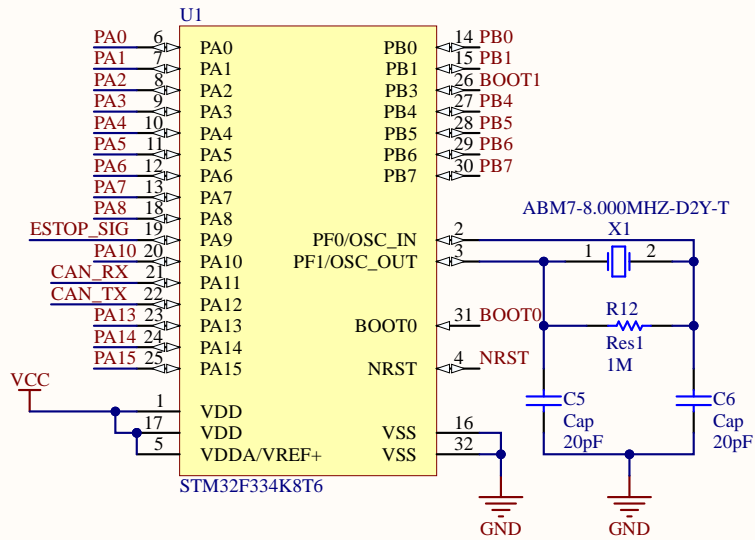
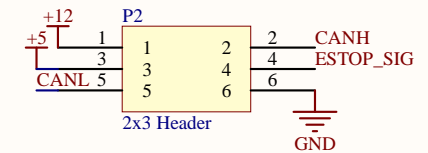
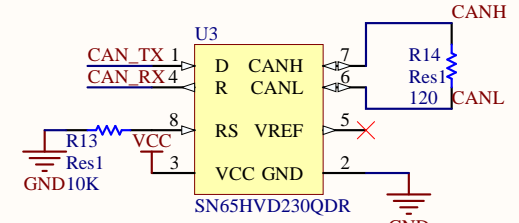
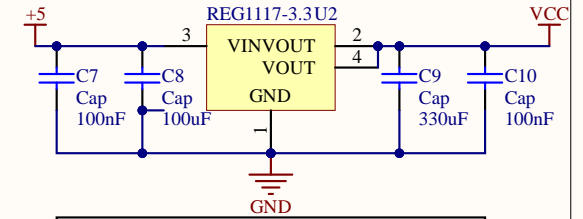
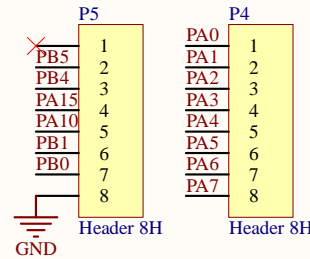


A

A

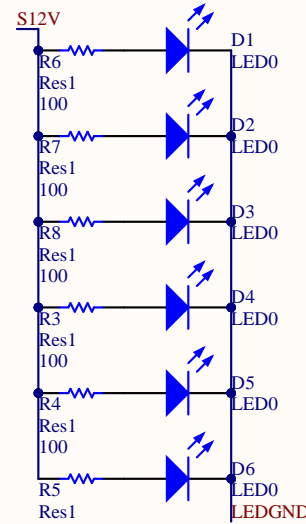


provides the clock speed for the MC



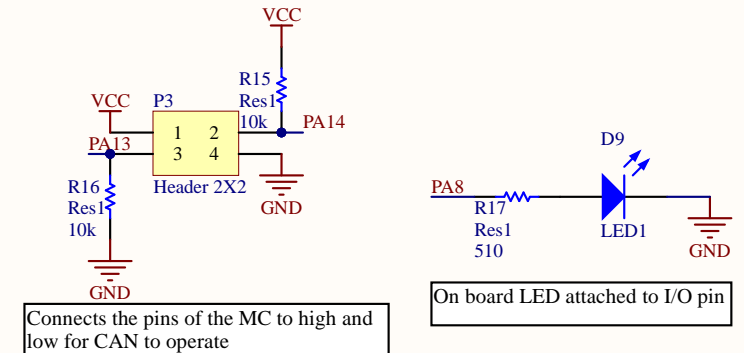
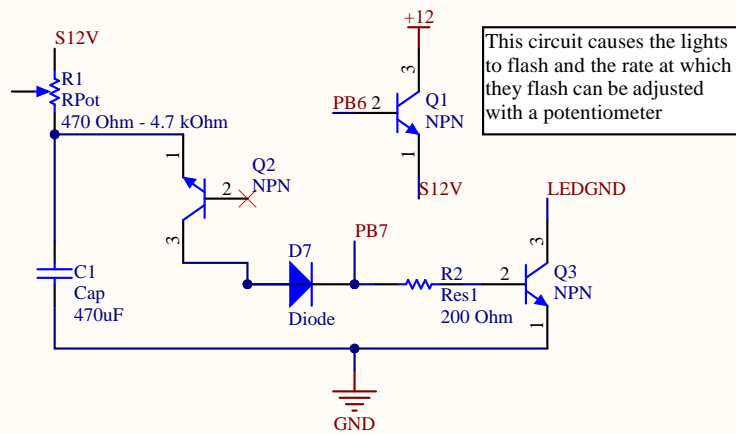
B

B



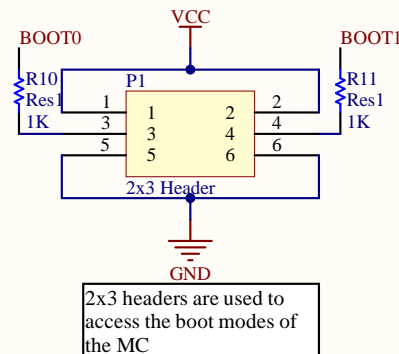
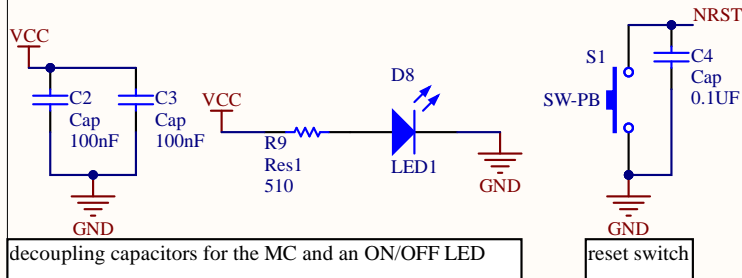
C

C

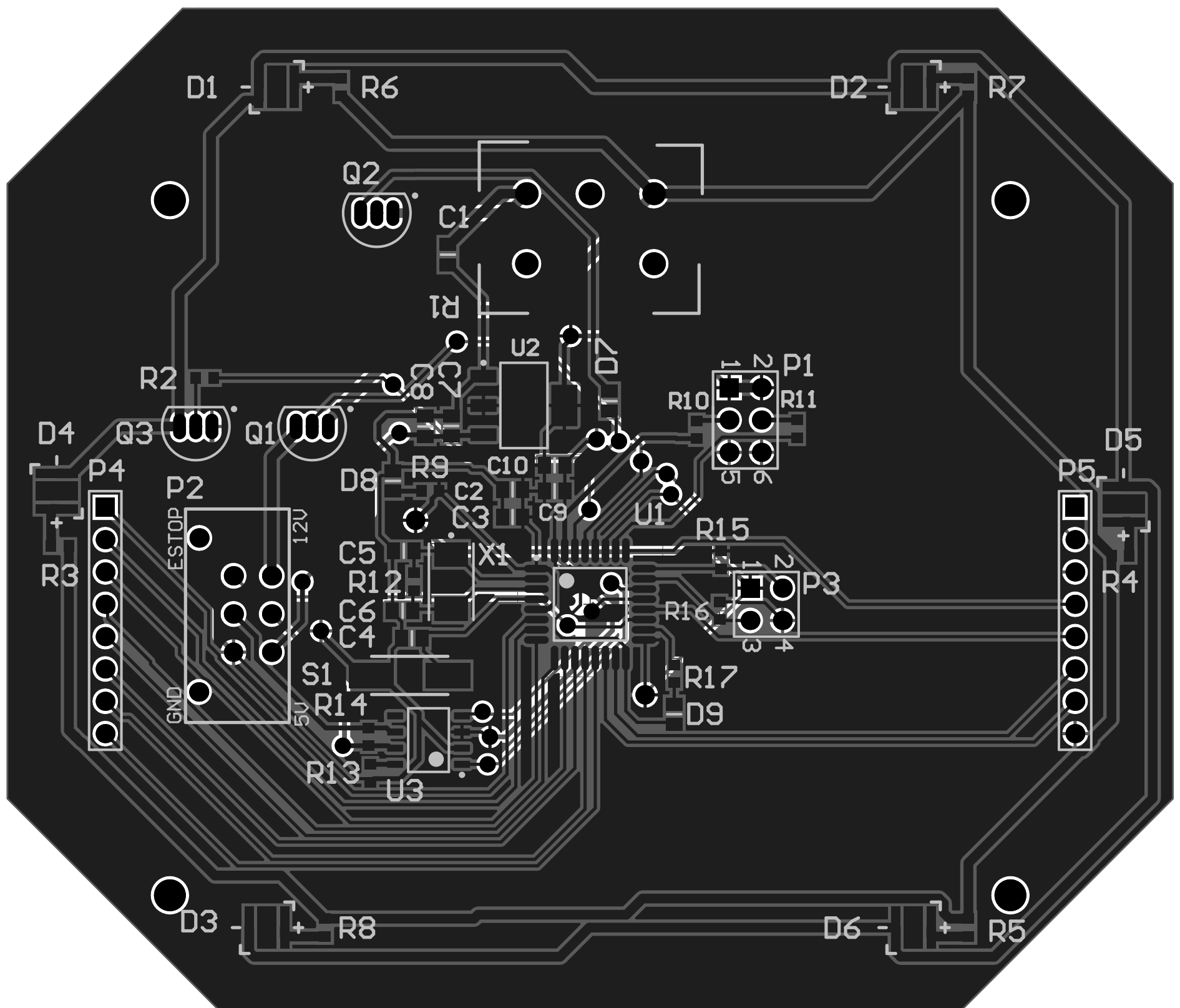


D

D



Title		
Safety Lights Schematic		
Size	Number	Revision
A		ONE (1)
Date:	1/24/2021	Sheet of
File:	C:\Users\...\Safety_LightsSch.SchDoc	Drawn By: Jorge Exinia



Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10	6-0805_L	Cap	10
LED0	Typical INFRARED GaAs LED	D1, D2, D3, D4, D5, D6	XLAMP	LED0	6
Diode	Default Diode	D7	6-0805_L	Diode	1
LED1	Typical RED GaAs LED	D8, D9	6-0805_L	LED1	2
2x3 Header		P1	HDR2X3	2x3 Header	1
2x3 Header		P2	Molex Connector	2x3 Header	1
Header 2X2	Header, 2-Pin, Dual row	P3	HDR2X2	Header 2X2	1
Header 8H	Header, 8-Pin, Right Angle	P4, P5	HDR1X8	Header 8H	2
NPN	NPN Bipolar Transistor	Q1, Q2, Q3	TO-226-AA	NPN	3
RPot	Potentiometer (https://www.mouser.com/ProductDetail/BI-Technologies-TT-Electronics/P162G100QRA20A103/?qs=OIC7AqGiEDnwGBx8%2F2PEtQ%3D%3D)	R1	Potentiometer	RPot	1
Res1	Resistor	R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17	1608[0603]	Res1	16
SW-PB	Switch	S1	Push Switch 3x6x2.5	SW-PB	1
STM32F334K8T6	ARM Cortex-M4 32-bit MCU, 64 KB Flash, 16 KB Internal RAM, 25 I/Os, 32-Pin LQFP, -40 to 85 degC, Tray	U1	STM-LQFP32_M	CMP-0537-00074-1	1
REG1117-3.3	Single Output LDO, 800 mA, Fixed 3.3 V Output, 3.8 to 15 V Input, with Internal Current Limiting, 4-pin SOT-223 (DCY), -40 to 125 degC, Green (RoHS & no Sb/Br)	U2	DCY0004A_M	CMP-0395-00549-2	1
SN65HVD230QDR	Automotive Catalog 3.3 V CAN Transceiver, 17 mA, 3.3 V, -40 to 125 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	U3	D0008A_L	CMP-0315-00033-2	1
ABM7-8.000MHZ-D2Y-T	Microprocessor Crystal, 8 MHz, 18 PF, -40 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	X1	ABRA-ABM7-2_V	CMP-2000-05034-1	1