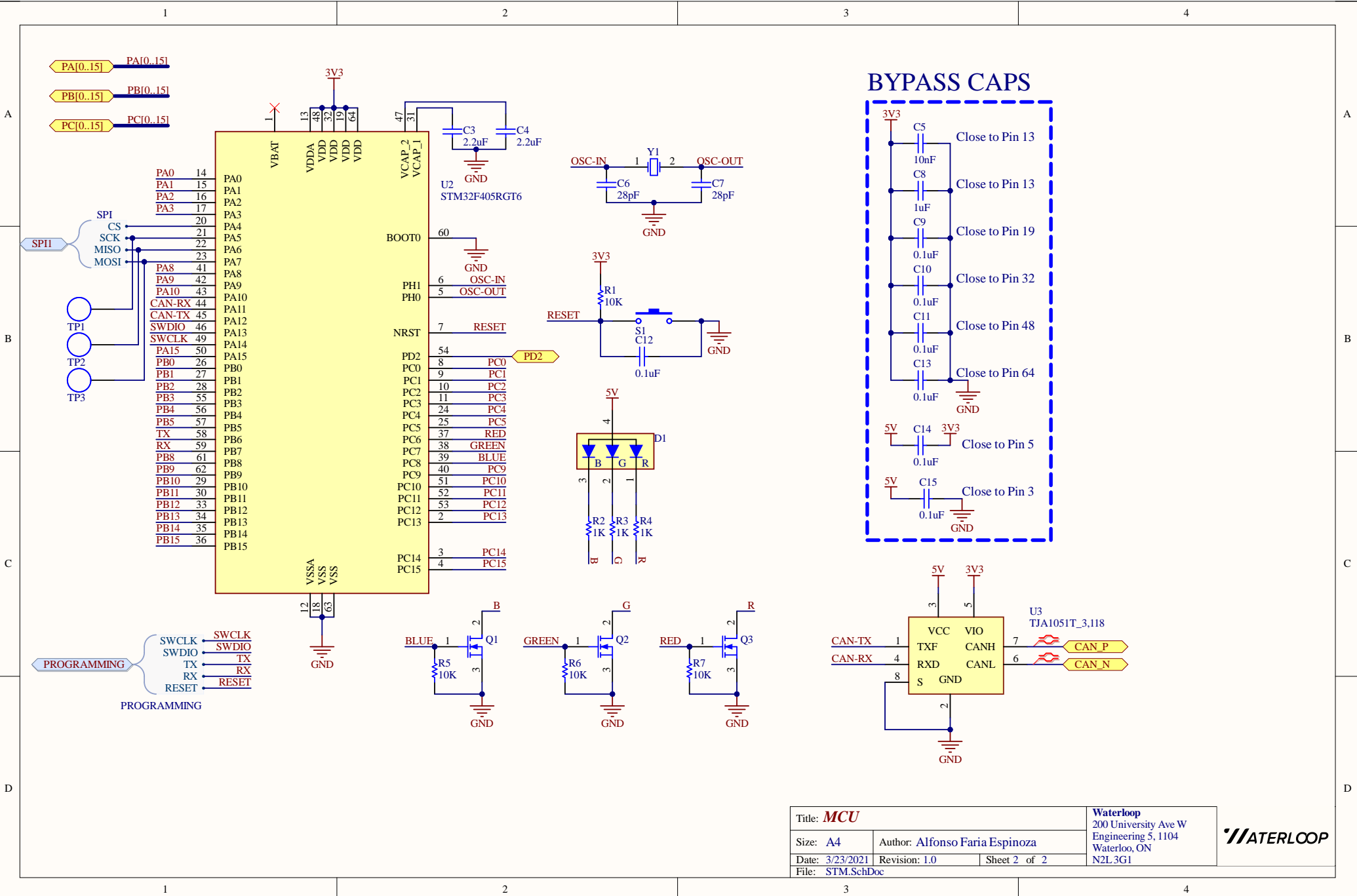


Designator	Value	Footprint	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number	Quantity
C1, C2	10uF	0805 - Capacitor	Murata	GRM21BR71A106KA73K	Digikey	490-14381-1-ND	2
C3, C4	2.2uF	0805 - Capacitor	Samsung	CL21B225KPFNNNE	Digikey	1276-1188-1-ND	2
C5	10nF	0805 - Capacitor	Yageo	CC0805KRX7R9BB103	Digikey	311-1136-1-ND	1
C6, C7	28pF	0805 - Capacitor	Samsung	CL21C270JCANNNC	Digikey	1276-2622-1-ND	2
C8	1uF	0805 - Capacitor	Yageo	CC0805KKX7R9BB105	Digikey	311-1886-1-ND	1
C9, C10, C11, C12, C13, C14, C15, C16, C17	0.1uF	0805 - Capacitor	Yageo	CC0805KRX7R9BB104	Digikey	311-1140-1-ND	9
D1		4-PLCC RGB LED	Kingbright	AAA3528LSEEZGKQBKS	Digikey	754-1967-1-ND	1
P1, P2		HDR1X20					2
P3		HDR1X7					1
P4		HDR1X2					1
Q1, Q2, Q3	NVS4409NT1G	SC70/SOT323	ON SEMI	NVS4409NT1G	Digikey	NVS4409NT1GOSCT-ND	3
R1, R5, R6, R7	10K	0603 - Resistor	Yageo	RC0603FR-0710KL	Digikey	311-10.0KHRCT-ND	4
R2, R3, R4, R11	1K	0603 - Resistor	Yageo	RC0603FR-071KL	Digikey	311-1.00KHRCT-ND	4
R8, R10	3K	0603 - Resistor	Yageo	RC0603FR-073KL	Digikey	311-3.00KHRCT-ND	2
R9	120R	0603 - Resistor	Yageo	RC0603FR-07120RL	Digikey	311-120HRCT-ND	1
S1		6x6mm Switch	Schurter	1301.9315	Digikey	486-3466-ND	1
T1		HM2100NLT	Pulse Electronics	HM2100NLT	Digikey	1840-1032-1-ND	1
U1		TLV1117	Texas Instruments	TLV1117-33IDCYR	Digikey	296-21112-1-ND	1
U2		STM32F405RG	ST	STM32F405RGT7	Digikey	497-17433-ND	1
U3		TJA1051T/3,118	NXP	TJA1051T/3,118	Digikey	568-8684-1-ND	1
U4		LTC6820	Analog Devices	LTC6820IMS#TRPBF	Digikey	LTC6820IMS#TRPBFCT-ND	1
Y1	16MHz	2-SMD NO LEAD CRSYSTAL	Abracon	ABM3-16.000MHZ-B2-T	Digikey	535-9103-1-ND	1





P1

PC4
PC5
PB0
PB1
PB2
PB10
PB11
PB12
PB13
PB14
PB15
PC9
PA8
PA9
PA10
CANL
CANH
PA15
PC10
PC11

ISO-SPI

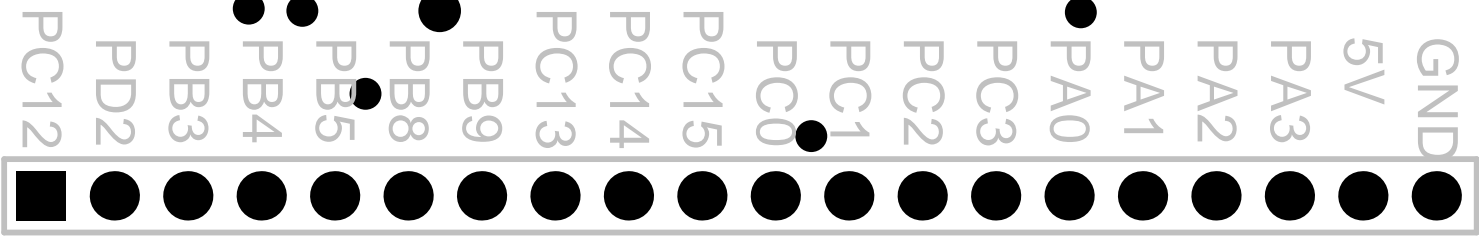
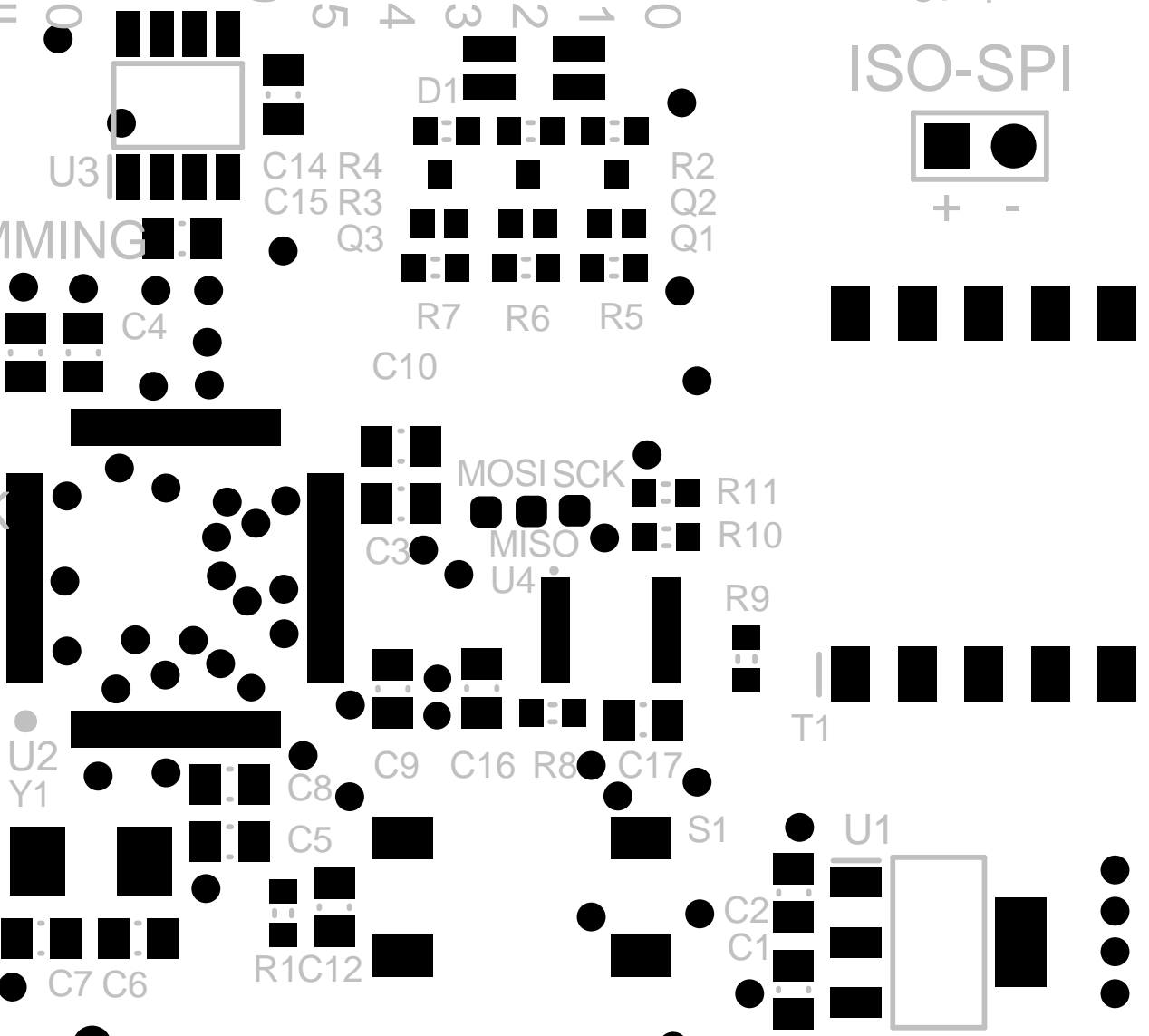


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PROGRAMMING



GND
3V3
SWDIO
SWCLK
TX
RX
NRST



P2

GND
5V
PA3
PA2
PA1
PA0
PC3
PC2
PC1
PC0
PC15
PC14
PC13
PB9
PB8
PB5
PB4
PB3
PD2
PC12



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F405 Dev Board
Alfonso Faria Espinoza