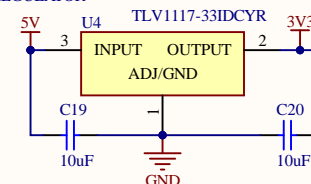
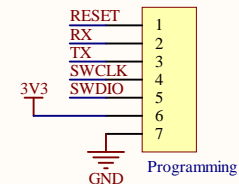
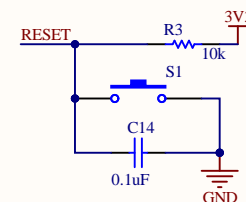
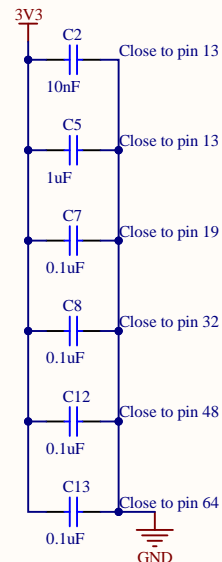
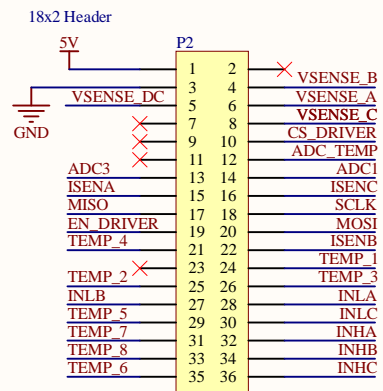
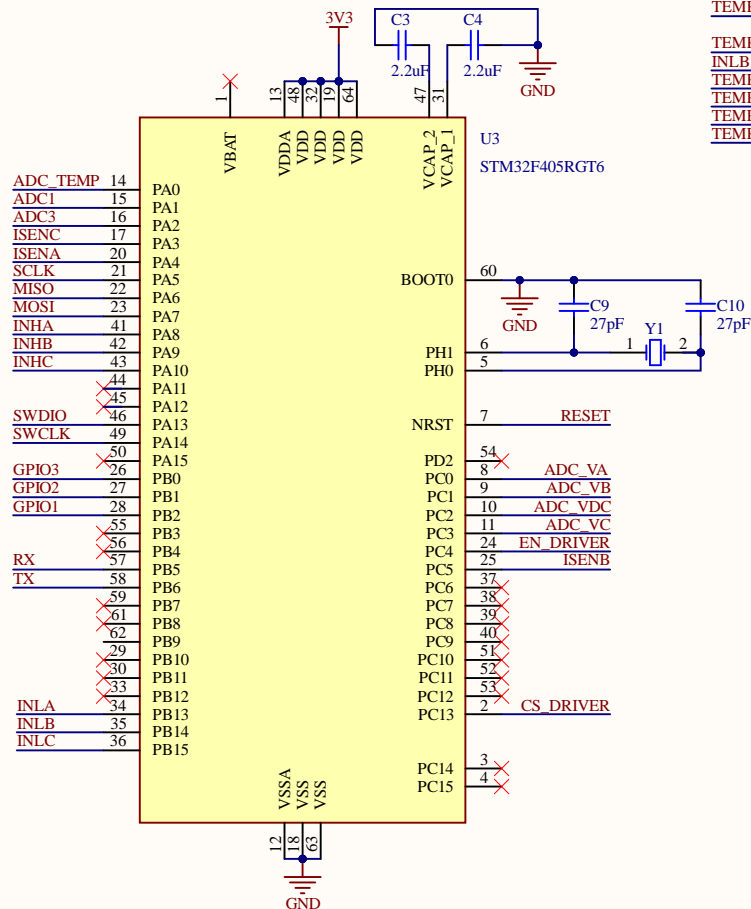
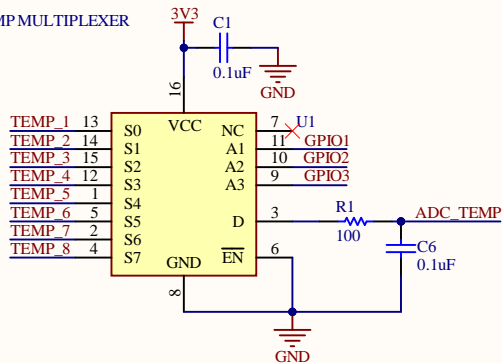
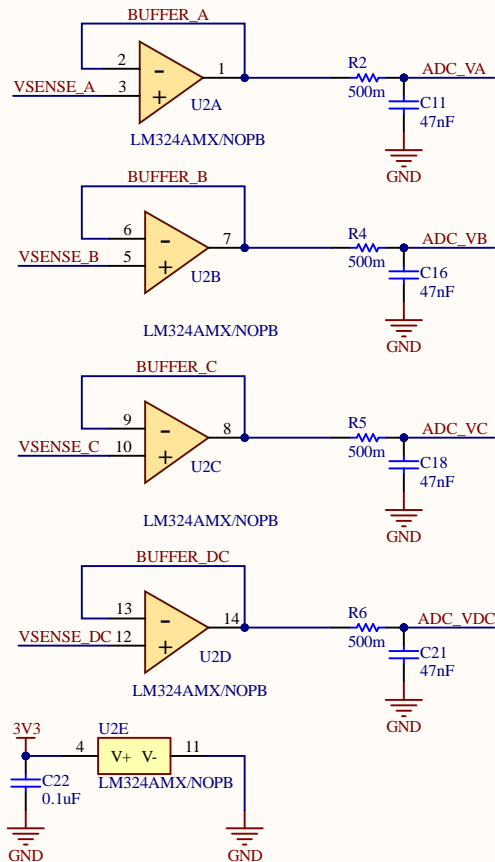
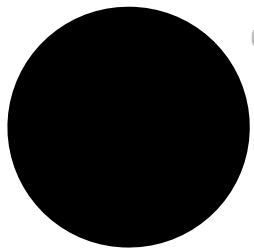


Designator	Value	Footprint	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number	Quantity
C1, C6, C22	0.1uF	0805 - Capacitor				311-1141-1-ND	3
C2	10nF	0805 - Capacitor				311-1475-1-ND	1
C3, C4	2.2uF	0805 - Capacitor				311-3420-1-ND	2
C5	1uF	0805 - Capacitor				311-1456-1-ND	1
C7, C8, C12, C13, C14	0.1uF	0805 - Capacitor				311-1141-1-ND	5
C9, C10	27pF	0805 - Capacitor				311-1104-1-ND	2
C11, C16, C18, C21	47nF	0805 - Capacitor				311-1431-1-ND	4
C19, C20	10uF	0805 - Capacitor				13-CC0805KFX7R6BB 106CT-ND	2
P2		HDR2X18					1
Programming		HDR1X7					1
R1	100	0603 - Resistor				311-100HRCT-ND	1
R2, R4, R5, R6	500m	0603 - Resistor				13-RL0603JR-070R5LCT-ND	4
R3	10k	0603 - Resistor				311-10.0KHRCT-ND	1
S1		6x6mm Switch					1
U1		SOP65P640X120-16N	NXP	NX3L4051PW,118	Digikey	568-12393-1-ND	1
U2		LM324AMX/NOPB	TI	LM324AMX/NOPB	Digikey	LM324AMX/NOPBCT-ND	1
U3		STM32F405RG	ST	STM32F405RG	Digikey	497-11767-ND	1
U4		TLV1117	Texas Instruments	TLV1117-33IDCYR	Digikey	296-21112-1-ND	1
Y1	16MHz	2-SMD NO LEAD CRSYSTAL				535-13460-1-ND	1





WATERLOOP

Control Test Board
Dev Patel



S1



C14



U4



C20



C10



R3



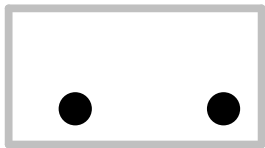
C13



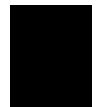
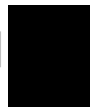
C12



C3



Y1



C9



C19



C5



C2



R2



C11



R6



C6



C7



U3

C4



C8



C22



R4



C16



U2



C18



C21



R1



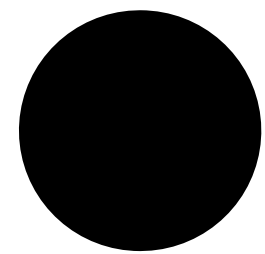
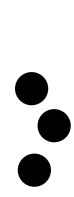
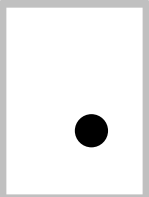
C7



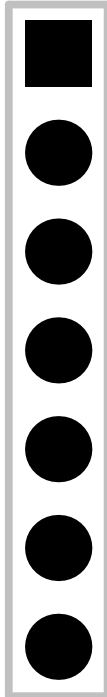
C1



U1

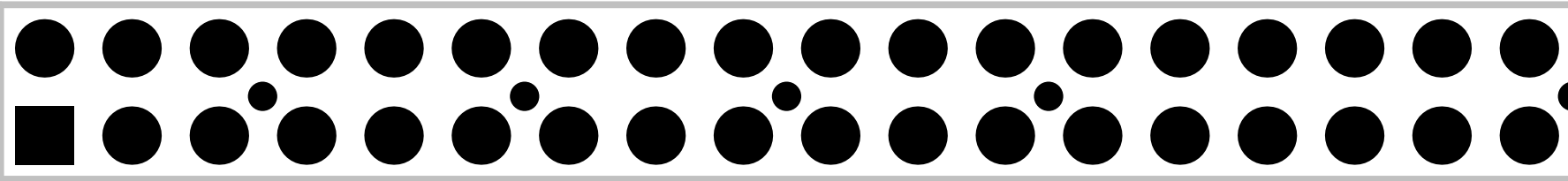


Programming



2

1



36

35

