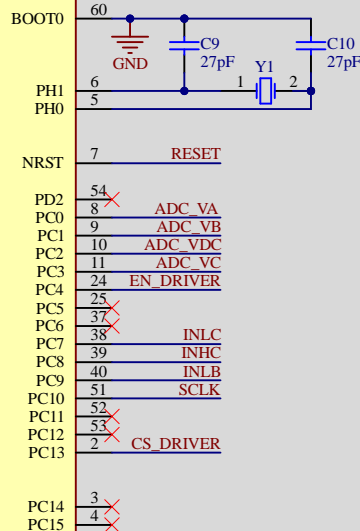
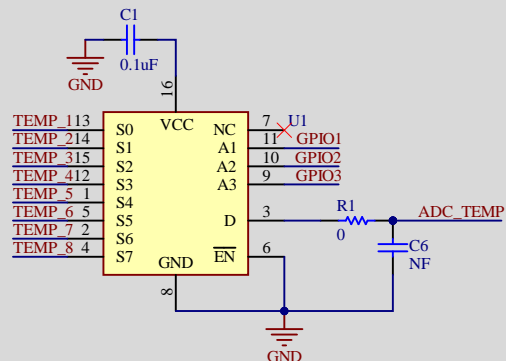


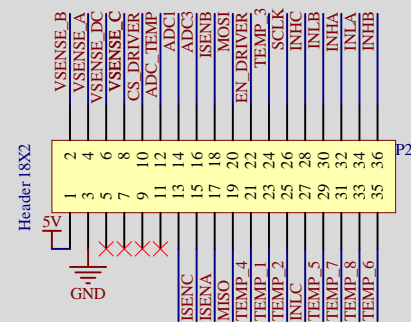
Designator	Value	Comment	Description	Footprint	Quantity
C1	0.1uF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	1
C2	10nF	10V	C0805C103K8RAC780 0. 10000pF ±10% 10V Ceramic Capacitor X7R 0805 (2012 Metric)	0805 - Capacitor	1
C3, C4	2.2uF		Nonpolarized Capacitor	0805 - Capacitor	2
C5	1uF	100V	TDK C2012X7S2A105KT00 0N, 1UF ±10% 100V X7S 0805 MULTILAYER CERAMIC CAPACITORS MLCC - SMD/SMT ROHS	0805 - Capacitor	1
C6, C11, C16, C18, C21	NF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	5
C7, C8, C12, C13, C14	0.1uF	100V	CL21B104KCFNNNE, MULTILAYER CERAMIC CAPACITORS MLCC - SMD/SMT 100NF 100V 0805 ROHS	0805 - Capacitor	5
C9, C10	27pF	100V	CL21B104KCFNNNE, MULTILAYER CERAMIC CAPACITORS MLCC - SMD/SMT 100NF 100V 0805 ROHS	0805 - Capacitor	2
C19, C20	10uF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	2
C22	100nF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	1
P1		Programming	1x7 Pin Header	HDR1X7	1
P2		Header 18X2	Header, 18-Pin, Dual row	HDR2X18	1
R1, R2, R4, R5, R6	0	Resistor	Resistor	0603 - Resistor	5
R3	10k	10k	Resistor	0603 - Resistor	1
S1		Switch - Push Button	Push Button Switch	6x6mm Switch	1
U1		NX3L4051PW,118	8:1 MUX	SOP65P640X120-16N	1
U2		LM324AMX/NOPB	Gen Purp 4Ch Opamp	LM324AMX/NOPB	1
U3		STM32F405RGT6	ST 64-pin Micro	STM32F405RG	1
U4		TLV1117-33IDCYR	Linear Voltage Regulator IC 3.3V 800MA SOT223-4	TLV1117	1
Y1		Oscillator	Crystal Oscillator	2-SMD NO LEAD CRSYSTAL	1



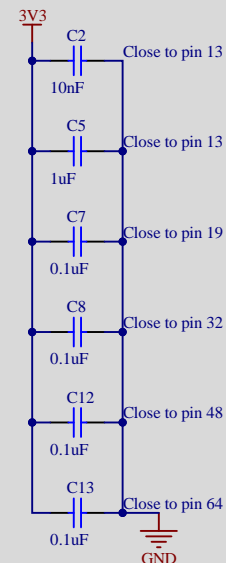
TEMP MULTIPLEXER



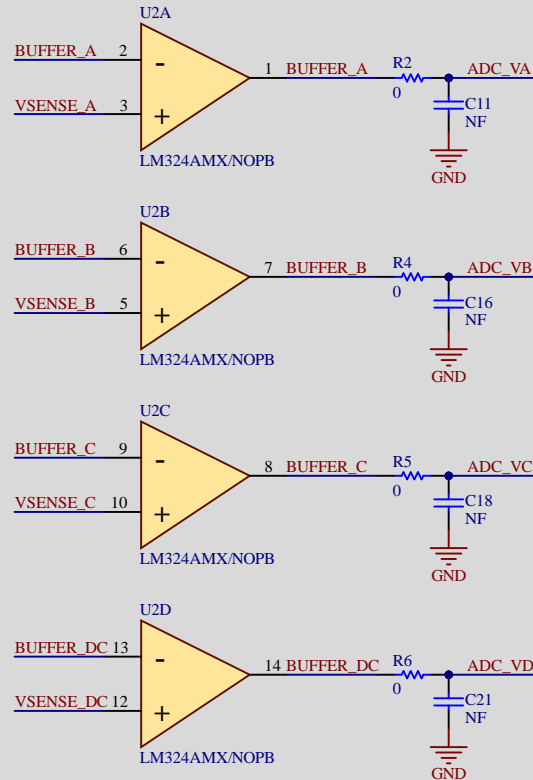
PCIE CARD



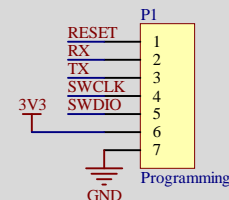
BYPASS CAPS



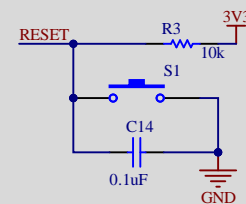
## BUFFER OP AMPS



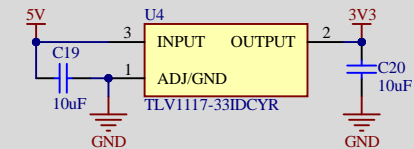
## PROGRAMMING HEADER



RESET BUTTON



## LOW VOLTAGE REGULATOR



Title			
Size A4	Number		Revision
Date:	6-17-2021		Sheet of
File:	C:\Users\...\Control Test Board.SchDoc		Drawn By:

