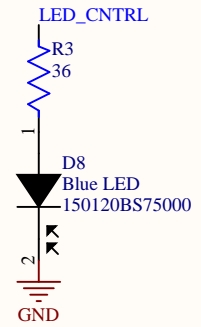
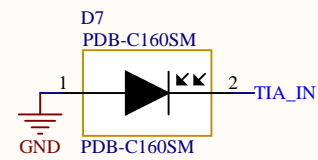
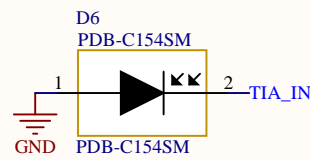
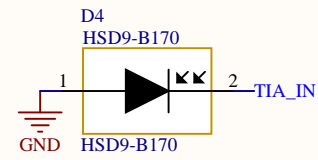
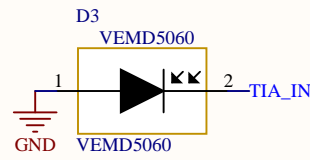
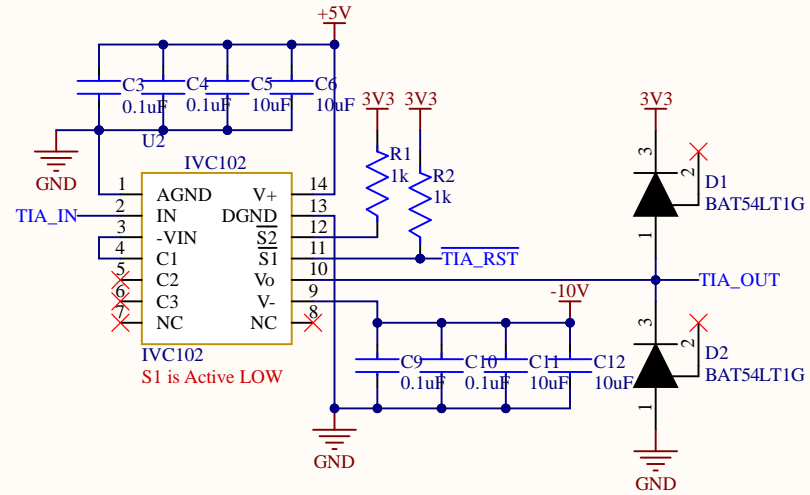
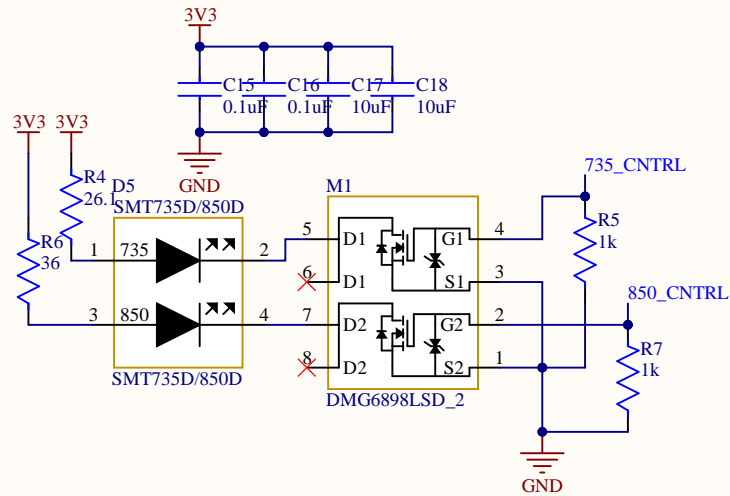
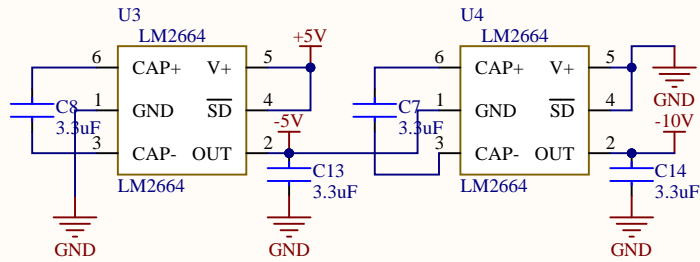
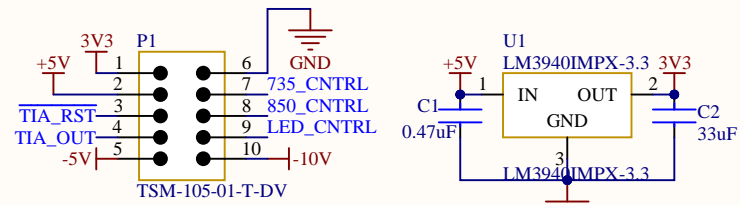


3.3V Input Is Optional.
Only one source voltage should be supplied.



Title fNIRS BCI Single Channel Prototype		
Size A	Number	Revision
Date: 4/06/2024	Sheet 1 of 1	
File: C:\Users\...\Single_Channel_fNIRS.SchDoc	Drawn By: Valenzuela T.	

Comment	Description	Designator	Footprint	LibRef	Quantity
0.47uF	1206	C1	CAPC3216X180N	C3216X7R2A474K160A A	1
33uF	1206	C2	CAPC3216X180N	C3216X5R1E336M160 AC	1
0.1uF	1206	C3, C4, C9, C10, C15, C16	CAPC3216X180N	C1206C104K5RAC7210	6
10uF	1206	C5, C6, C11, C12, C17, C18	CAPC3216X180N	CL31B106KOHNNWE	6
3.3uF	1210	C7, C8, C13, C14	CAPC1210(3225)190_ M	C1210C335K5RAC7800	4
BAT54LT1G	Schottky Barrier Diode, 3-Pin SOT-23, Pb-Free, Tape and Reel	D1, D2	BAT54LT1	BAT54L	2
VEMD5060		D3	VEMD5060	VEMD5060	1
HSD9-B170		D4	HSD9-B170	HSD9-B170	1
SMT735D/850D		D5	SMT735D_850D	SMT735D/850D	1
PDB-C154SM		D6	PDB-C154SM	PDB-C154SM	1
PDB-C160SM		D7	DS-PDB-C160SM	PDB-C160SM	1
Blue LED	Single Color LED, Blue, Water Clear, 2mm	D8	150120BS75000	150120BS75000	1
DMG6898LSD_2		M1	SO-8-DMG6898LSD	DMG6898LSD_2	1
TSM-105-01-T-DV	0.025" SQ Post Header, Surface Mount, Vertical, -55 to 105 degC, 2.54 mm Pitch, 10-Pin, Male, RoHS	P1	SAMTEC_TSM-105-01- T-DV-TR	TSM-105-01-T-DV	1
1k	1206 1kOhm	R1, R2, R5, R7	R1206	RT1206BRD071KL	4
36	1206 36 Ohm	R3, R6	R1206	RT1206BRD0736RL	2
26.1	1206 26.1 Ohm	R4	R1206	RQ73C2B26R1BTD	1
LM3940IMPX-3.3		U1	LM3940	LM3940IMPX-3.3	1
IVC102		U2	D0014A_M	IVC102	1
LM2664	Switched Capacitor Voltage Converter, 6- pin SOT-23	U3, U4	LM2664	LM2664	2