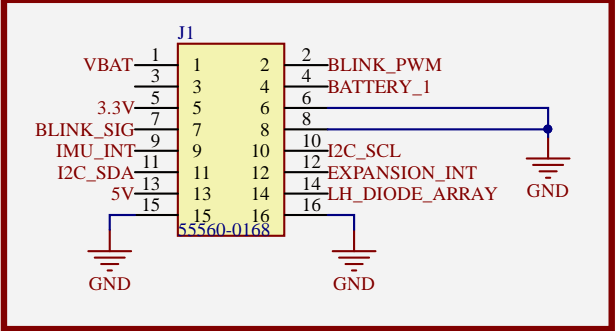
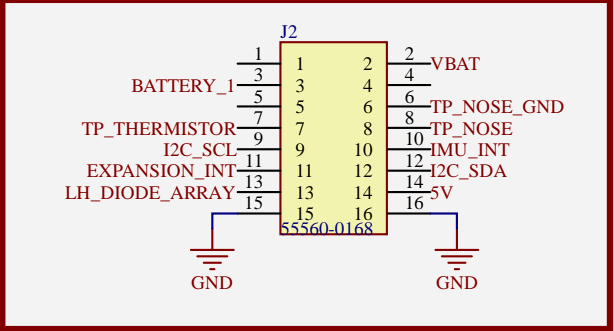


MCU BOARD CONNECTOR



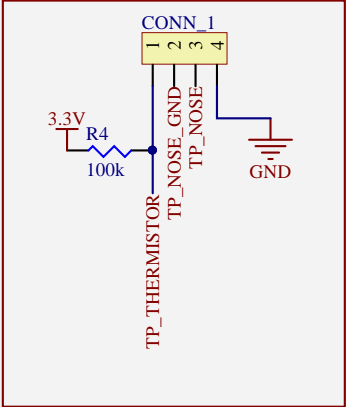
POWER BOARD CONNECTOR



Title		
CONNECTORS		
Size	Number	Revision
A		2.0
Date:	8/28/2019	Sheet of
File:	C:\Users\...\Sch_connectors.SchDoc	Drawn By: PATRICK CHWALEK

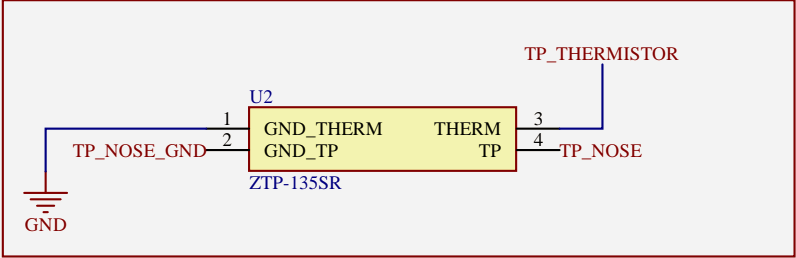
THERMOPILE CIRCUIT

THERMOPILE CIRCUIT CONNECTOR

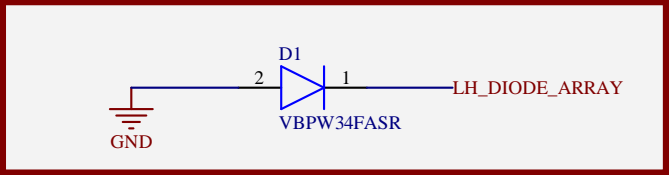


-need to test thermistor resistor

THERMOPILE

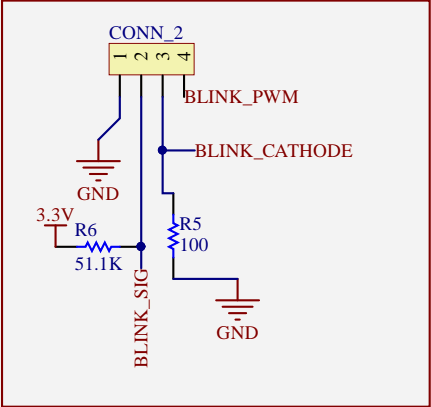


VIVE DIODE

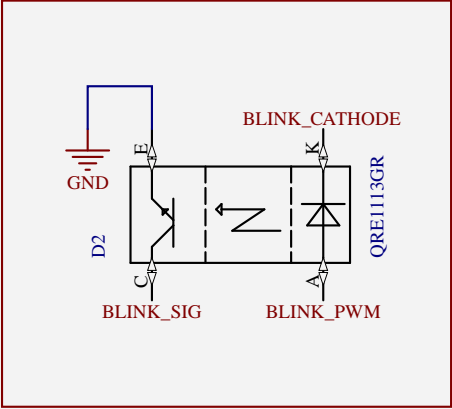


BLINK SENSOR CIRCUIT

BLINK CIRCUIT CONNECTOR



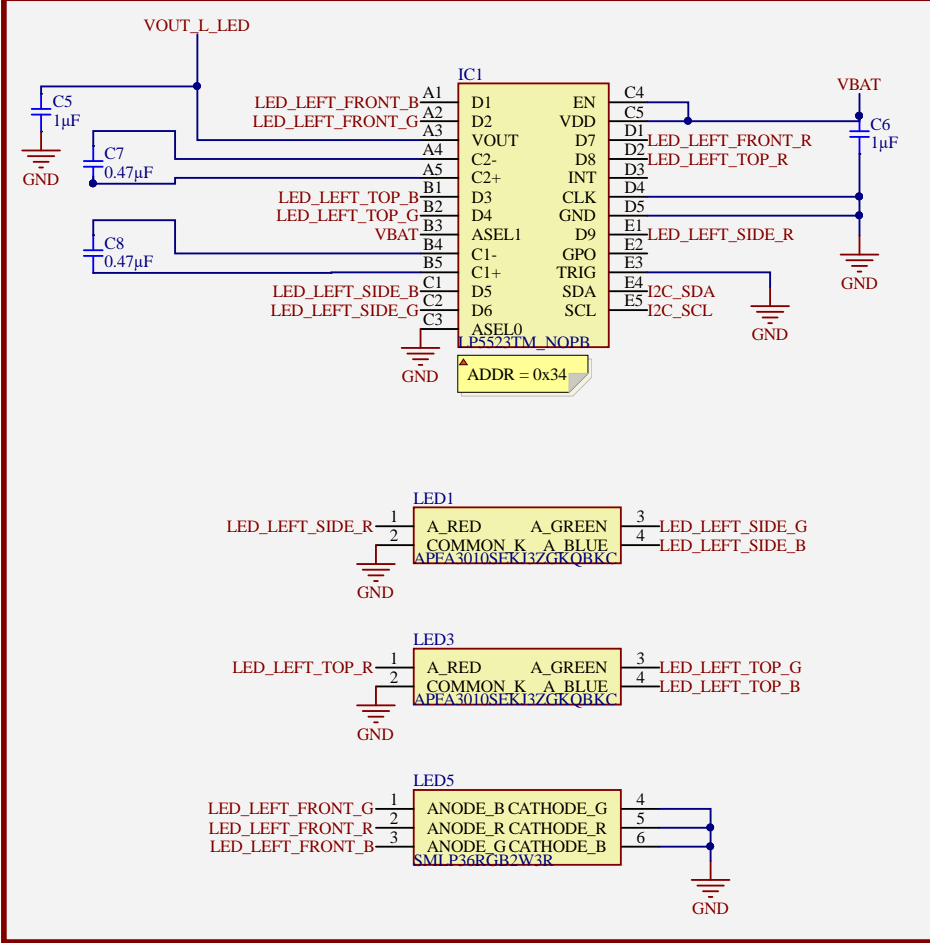
BLINK SENSOR



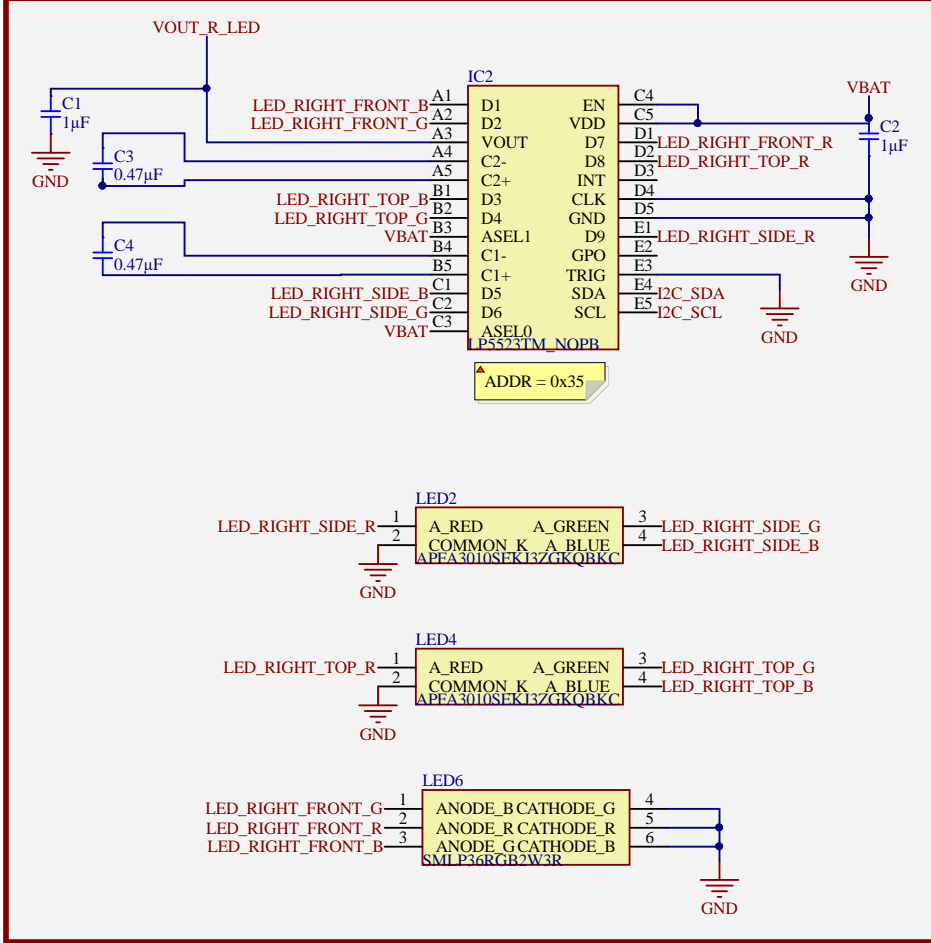
- need to check power at eye (harmful levels)  
- check gain circuit necessary, part variability, placements

Title			FRONT FLEX SENSORS	
Size	Number		Revision	
A			2.0	
Date:	8/28/2019		Sheet	of
File:	C:\Users\...\Sch_front,SchDoc		Drawn By:	PATRICK CHWALEK

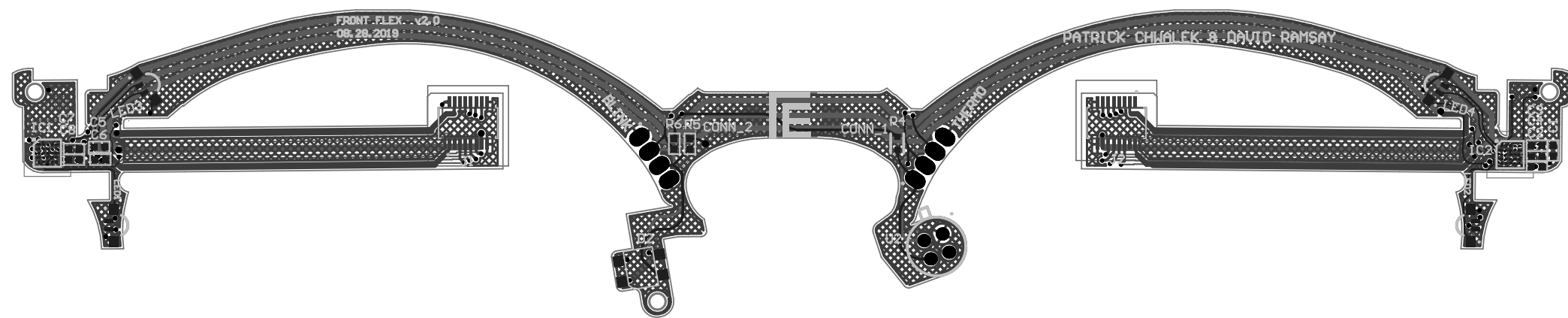
LEFT-SIDE CIRCUIT



RIGHT-SIDE LED CIRCUIT



Title LEDs			
Size Letter	Number		Revision 2.0
Date:	8/28/2019	Sheet	of
File:	C:\Users\...\Sch_led.SchDoc	Drawn By:	PATRICK CHWALEK



This side faces out to the world; left is thermopile/power, right is STM and QRE.

need to fix nose bridge to swap sides to match this



# Bill of Materials

Bill of Materials for BOM Document [FRONT\_PCB.BomDoc]

Source Data From: FRONT\_PCB.BomDoc  
Project: FRONT\_PCB.PrjPcb  
Variant: None

Creation Date: 8/28/2019 5:09 PM  
Print Date: 28-Aug-19 5:09:07 PM

Footprint	Name	LibRef	Designator	Description	Quantity
0402R	1μF	GCM155C71A10	C1, C2, C5, C6	CAP CER 1UF 10V X7S 0402	4
0402R	0.47μF	GCM155C71A10	C3, C4, C7, C8	CAP CER 0.47UF 10V X7S 0402	4
4_pos_1mm	THERMO	4_pin_1mm_he	CONN 1		1
4_pos_1mm	BLINK	4_pin_1mm_he	CONN 2		1
VBPW34FAS	VBPW34FASR	VBPW34FASR	D1	Diode	1
*4LEADSMD	QRE1113GR	QRE1113GR	D2	QRE1113 Series 30 V 50 mA Miniature Refl	1
BGA25C40P5	LP5523TM_NOP	LP5523TM_NOP	IC1, IC2	Integrated Circuit	2
555600168	55560-0168	55560-0168	J1, J2	Connector	2
KPFA-3010RC	APFA3010SEKJ3	APFA3010SEKJ3	LED1, LED2, LED3, LED4	LED	4
ROHM-1510-4	SMLP36RGB2W	SMLP36RGB2W	LED5, LED6	LED	2
SMD-0402-R	100k	ERJ-2GEJ104X	R4	RES SMD 100K OHM 5% 1/10W 0402	1
0402R	100	Resistor	R5		1
0402R	51.1K	Resistor	R6	CRCW040251K1FKED	1
ZTP-135SR	ZTP-135SR	ZTP-135SR	U2	Undefined or Miscellaneous	1
					26

Approved	Notes