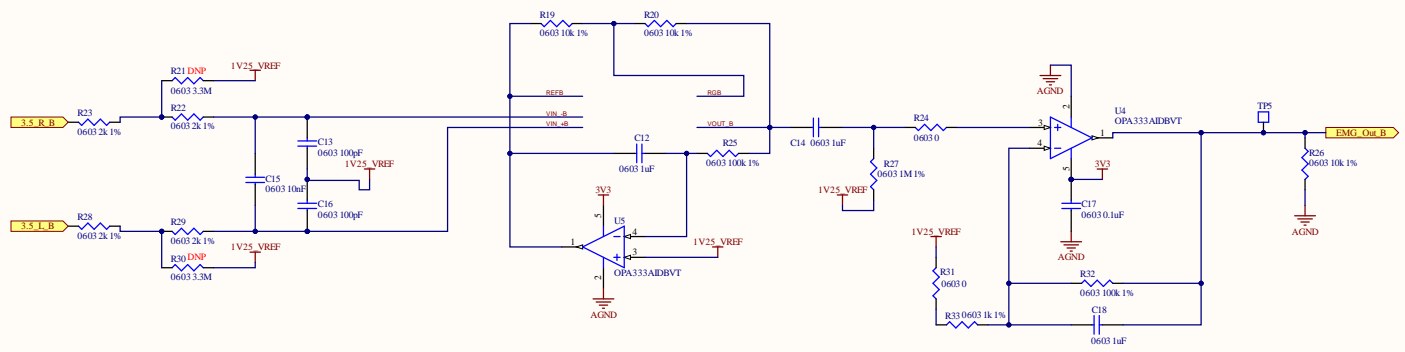
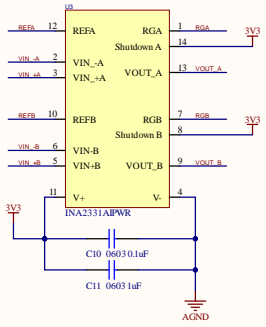
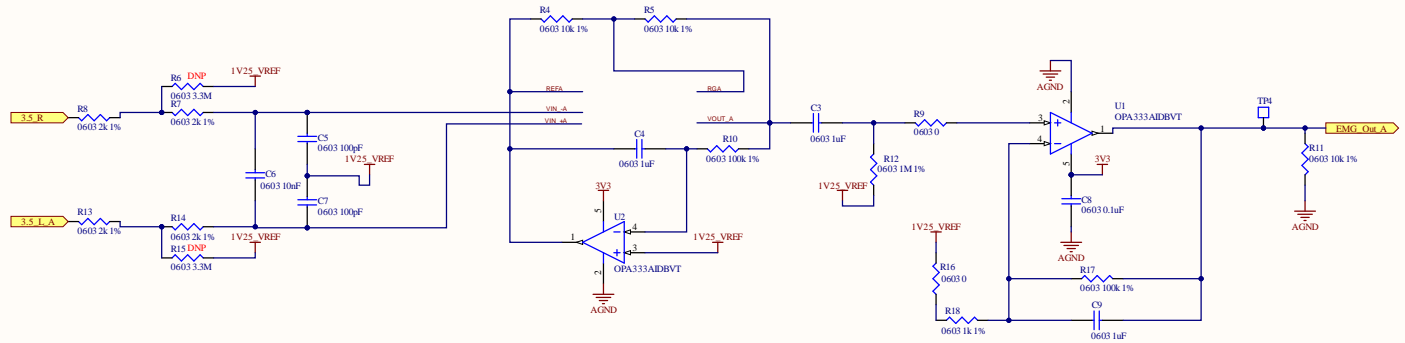
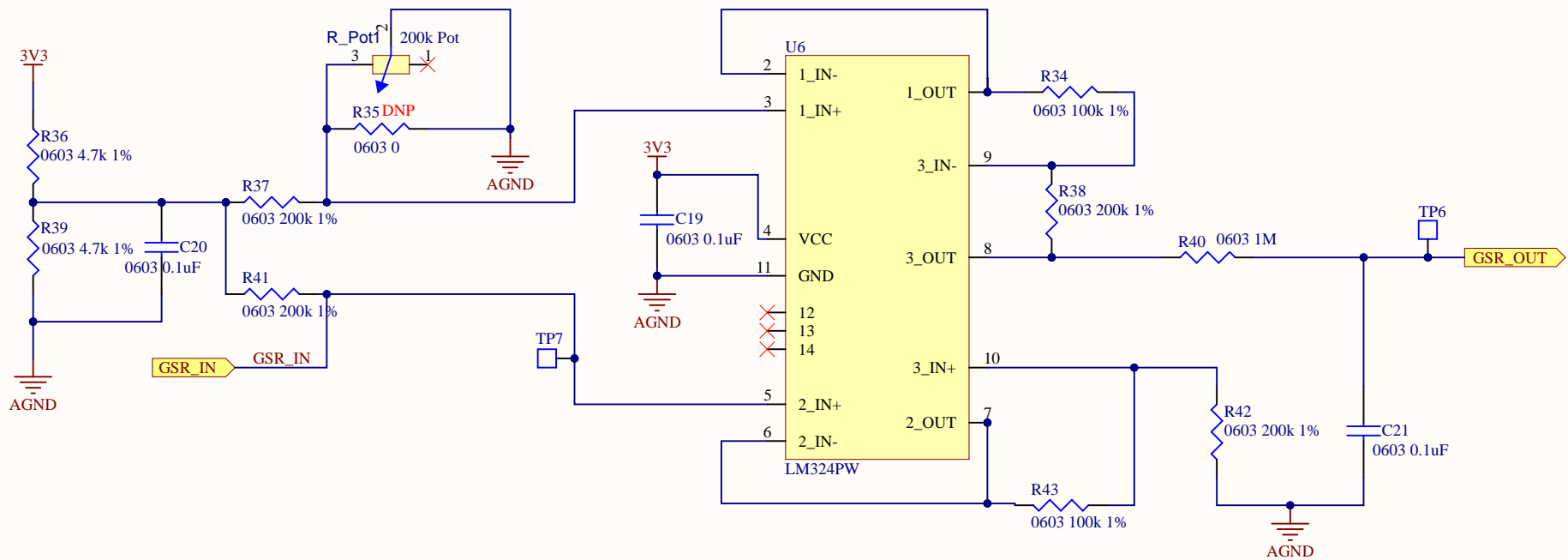


Title		
GSR EMG Breakout Board		
Size	Number	Revision
B		A
Date:	12/02/2021	Sheet 1 of 4
File:	C:\Users\Jun Zhang\Documents\GSR EMG Breakout Board	Drawn By: Jun Zhang

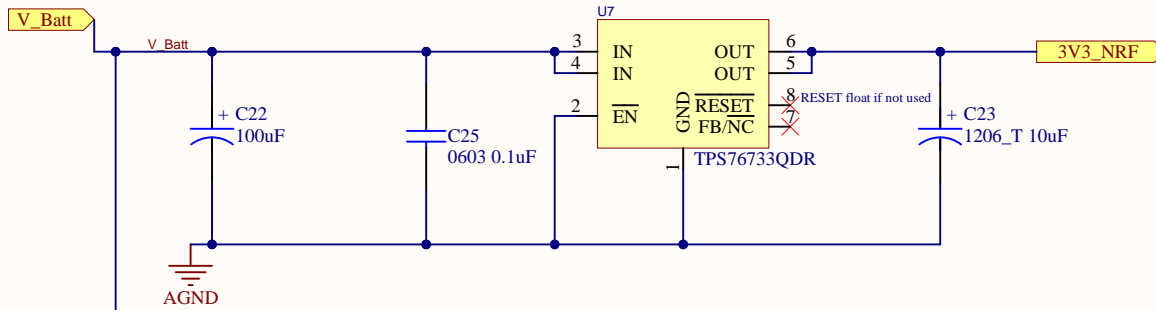


Title			EMG Sensor SET
Size	Number	Revision	
C		A	
Date:	12-02-2021	Sheet 4 of 4	
File:	C:\Users\EMG\Schloc	Drawn By: Jun Zhang	

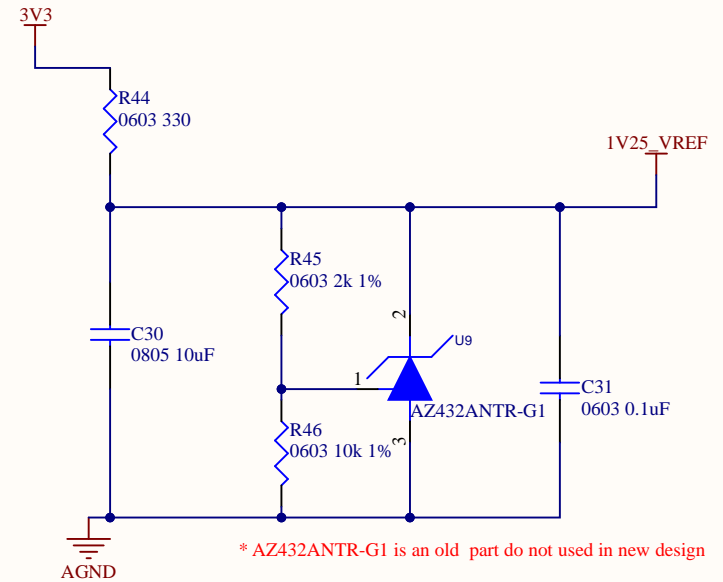
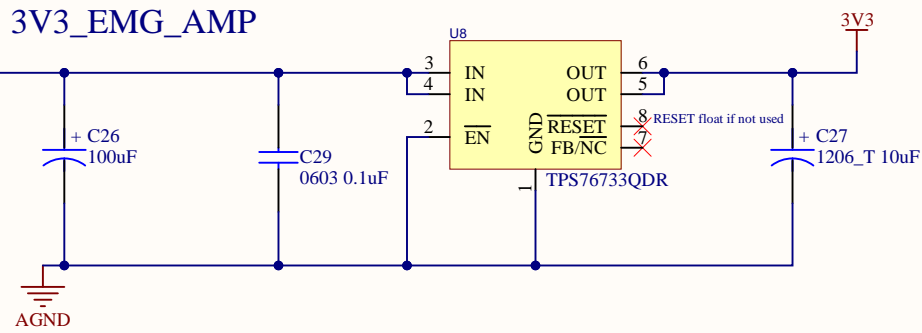


Title			Revision
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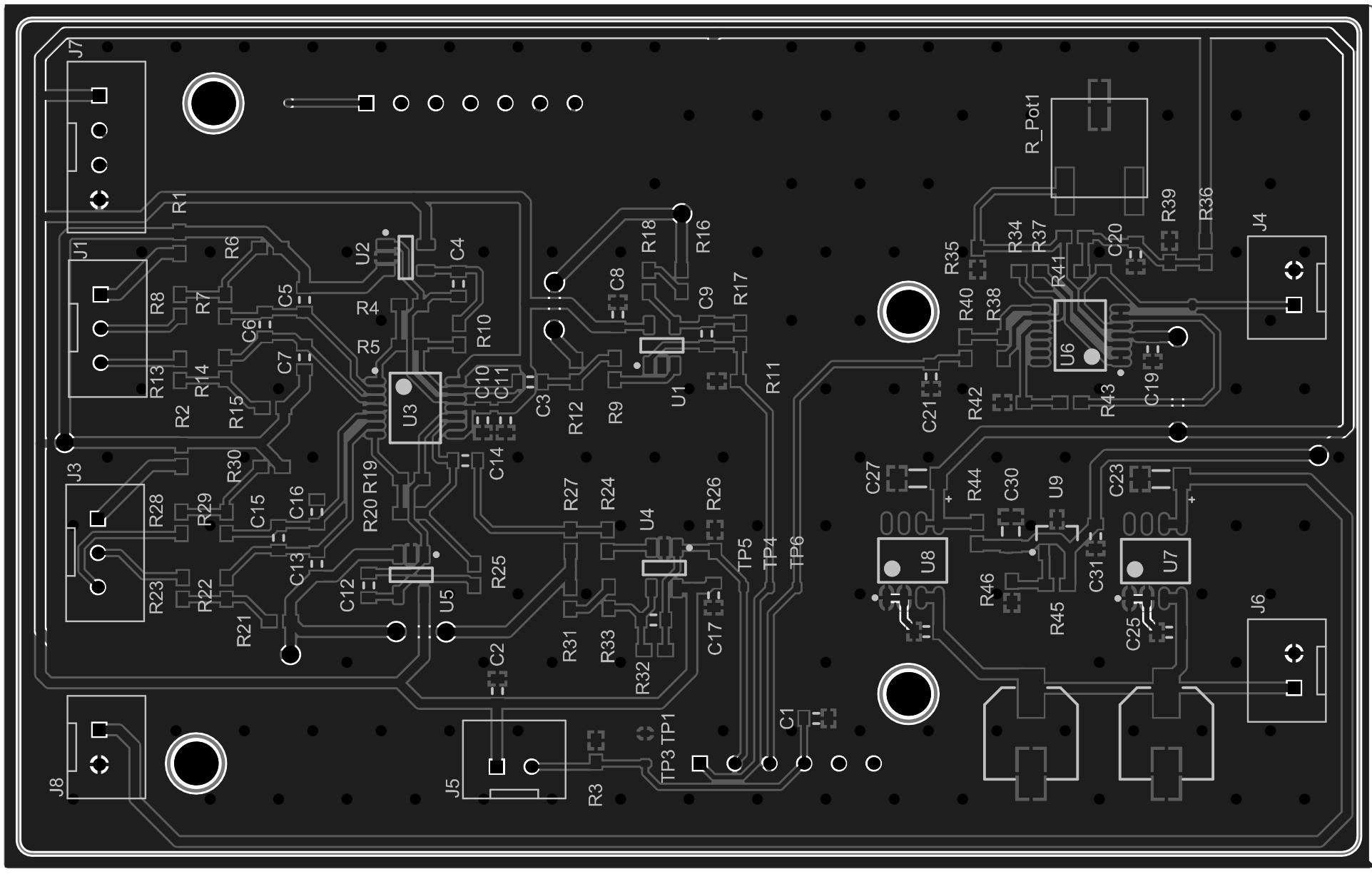
3V3_NRF



3V3_EMG_AMP



Title			Revision <
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Comment	Description	Designator	Footprint	LibRef	Quantity
0603 4.7uF	Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X5R	C1, C2	CAP_0603_CER	CAP_NP	2
0603 1uF	Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X5R, Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X7R	C3, C4, C9, C11, C12, C14, C18	CAP_0603_CER	CAP_NP	7
0603 100pF	Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, COG	C5, C7, C13, C16	CAP_0603_CER	CAP_NP	4
0603 10nF	Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X7R	C6, C15	CAP_0603_CER	CAP_NP	2
0603 0.1uF	Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X7R, Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X7R or X5R	C8, C10, C17, C19, C20, C21, C25, C29, C31	CAP_0603_CER	CAP_NP	9
100uF	Electrolytic 100uF	C22, C26	CAPAE7866X61M	CAP_POL	2
1206_T 10uF	Tantalum CAP ESR <60mOhm Rated: 10V	C23, C27	CAP_1206_TANT	CAP_POL	2
0805 10uF	Generic Cap for NC (No Polar) ESR <30mOhm ESL <1.5nH, X7R	C30	CAP_0805_CER	CAP_NP	1
JST 2	JST-XH3A	J1, J3	JST-XH3A	JST 3 Pin	2
6 Pin Socket	Headers for Signal to NRF	J2	6 Pin Header	6 Pin Socket	1
JST 2.0	PA Series 2 Position 2 mm Pitch Top Entry No Boss Through Hole Shrouded Header	J4, J5, J6, J8	JST_XH2A	JST 2 Pin	4
4 Pin Socket	Connector Header, PA Series, Top Entry, 4 Position, Male Pin, 1 Row, 2.0mm, Through Hole, Natural	J7	JST-XH4A	JST 4 Pin	1
Mounting Hole		M1, M2, M3, M4	Mounting Hole	Mounting Hole	4
7 Pin Header	KK 254 Wire-to-Board Header Single Row Vertical 7 Circuits PA Polyamide Nylon Tin (Sn) Plating	P1	7 Pin Header	7 Pin Socket	1
0603 0	Generic Resistor	R1, R2, R9, R16, R24, R31, R47	0603	RESISTOR	7
0603 10k 1%	Generic Resistor	R3, R4, R5, R11, R19, R20, R26, R46	0603	RESISTOR	8
0603 2k 1%	Generic Resistor	R7, R8, R13, R14, R22, R23, R28, R29, R45	0603	RESISTOR	9
0603 100k 1%	Generic Resistor	R10, R17, R25, R32, R34, R43	0603	RESISTOR	6
0603 1M 1%	Generic Resistor	R12, R27	0603	RESISTOR	2
0603 1k 1%	Generic Resistor	R18, R33	0603	RESISTOR	2
0603 4.7k 1%	Generic Resistor	R36, R39	0603	RESISTOR	2
0603 200k 1%	Generic Resistor	R37, R38, R41, R42	0603	RESISTOR	4
0603 1M	Generic Resistor	R40	0603	RESISTOR	1
0603 330	Generic Resistor	R44	0603	RESISTOR	1
200k Pot	SMD Single-Turn Trimmer Potentiometers 1/4 SQ 200KOHMS 10% 0.5WATTS	R_Pot1	R_200K_Pot	R200K_Pot	1
0402_TEST_PT		TP1, TP2, TP3, TP4, TP5, TP6, TP7	0402_PAD	0402_TEST_PT	7
OPA333AIDBVT	MicroPower, Zero Drift CMOS Operational Amplifier, 1.8 to 5.5 V, 17 uA - 40 to 125 degC, 5-Pin SOT23 (DBVS), Green (RoHS & no Sn/Bi), Tape and Reel	U1, U2, U4, U5	DBV0005A_M	OMP-014-00019-2	4
INA2331AIPWR	Low-power, single- supply, CMOS, instrumentation amplifier 14-TSSOP - 55 to 125	U3	TSOP65P640X120-14N	INA2331AIPWR	1
LM324PW	Integrated Circuit Operational Amplifier LM324/TSOP/LM324 PW TEXAS INSTRUMENT RoHS TSSOP14	U6	TSOP65P640X120-14N	LM324PW	1
TPS76733QDR	IC REG LDO 3.3V 1A BSOIC / LDO Regulator Pos 3.3V 1A 8-Pin SOIC T/R	U7, U8	SOIC127P600X175-8N	TPS76733QDR	2
AZ432ANTR-G1	V-Ref Adjustable/Precision/P rogrammable 1.25V to 18V 100mA 3-Pin SOT- 23 T/R	U9	SOT95P245X110-3N	AZ432ANTR-G1	1