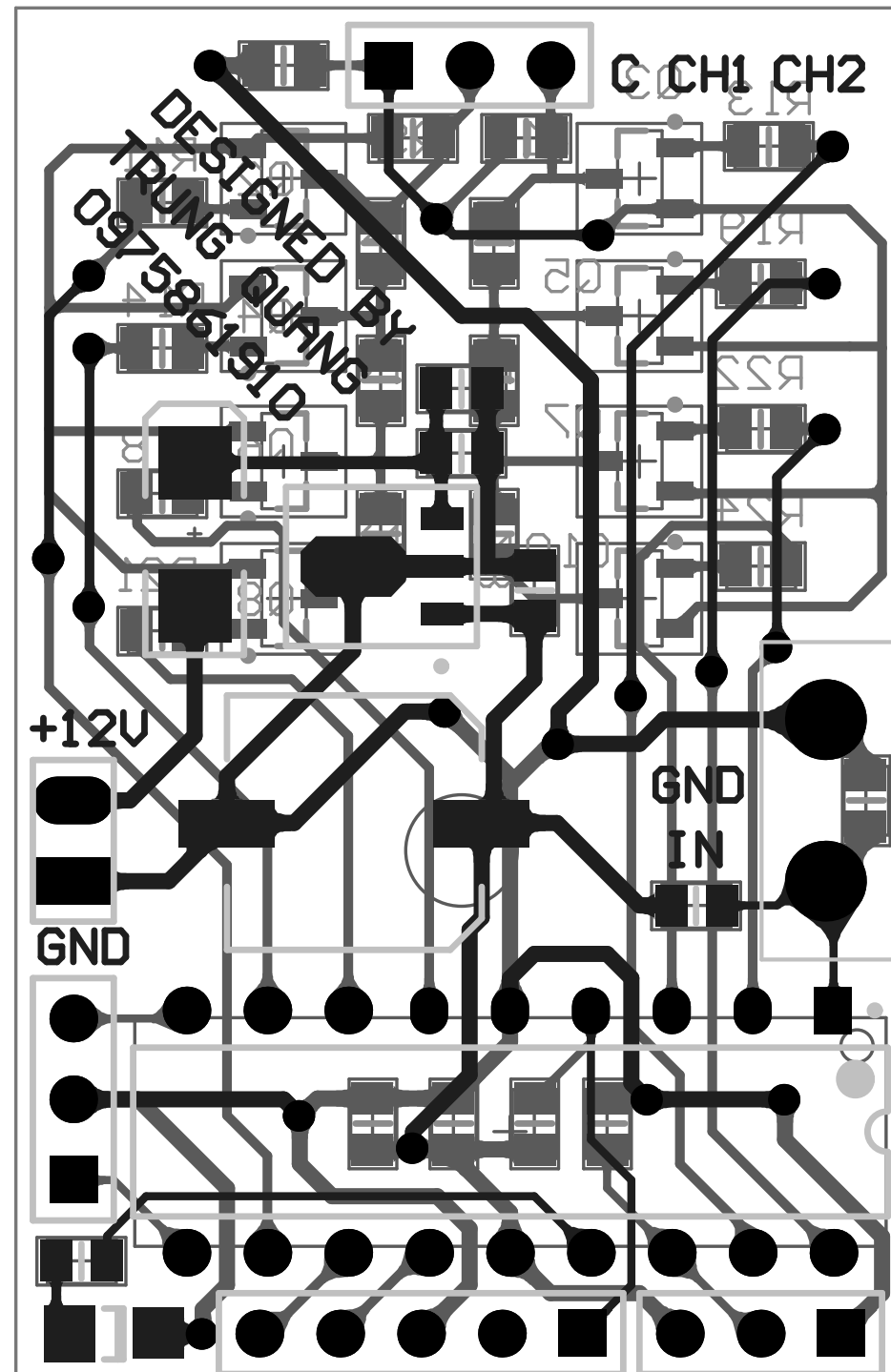


Title		
Size	Number	Revision
B		
Date:	9/26/2017	Sheet of
File:	C:\Users\Sheet2 SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
33P	Capacitor	C1, C3, C4, C11, C12, C14	RAD-0.3	Cap	6
Cap Semi	Capacitor (Semiconductor SIM Model)	C2, C5, C6, C7, C8, C9	RESC2012L	Cap Semi	6
EEE-FT1A102AP	CAP ALUM 1000UF 10V 20% SMD	C10	CAP8x8	Cap Pol1	1
Cap Pol1	Polarized Capacitor (Radial)	C13	RB7.6-15	Cap Pol1	1
SS34	DIODE SCHOTTKY 40V 3A SMC	D1	SMB	D Schottky SS34	1
programer	Connector	J1	HDR1x5	CON5	1
LNJ911W8BRU	LED BLUE THRU BOARD 1206	LD1	CD3216-1206	LEDRED1206	1
Dpy Red-CA	7.62 mm Black Surface HER 7-Segment Display: CA, RH DP	LED1, LED2, LED3, LED4	A	Dpy Red-CA	4
Header 2	Header, 2-Pin	P1	CON_PLUG2	Header 2	1
Header 3	Header, 3-Pin	P2	HDR1X3	Header 3	1
Header 2	Header, 2-Pin	P3, P6	HDR1X2	Header 2	2
tocdplayer	Header, 3-Pin	P4	HDR1X3	Header 3	1
JUMP	Header, 3-Pin	P5	HDR1X3	Header 3	1
C1815	PNP Bipolar Transistor	Q1, Q9, Q11, Q12	SOT-23B_N	PNP	4
NPN	NPN Bipolar Transistor	Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q10	SOT-23B	NPN	8
Res3	Resistor	R1, R2, R3, R6, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24	RESC2012L	Res3	21
Res1	Resistor	R4, R5, R7, R25, R26, R27, R28, R29, R30	AXIAL-0.3	Res1	9
reset	Single-Pole, Single-Throw Switch	S1	SPST-2	SW-SPST	1
P89C51RC2BN/01	80C51 8-Bit Flash Microcontroller Family, 32 kB ISP/IAP Flash with 512 B RAM.	U1	SOT129-1	P89C51RC2BN/01	1
PIC18F1220-E/P	High Performance, Enhanced Flash Microcontroller with 10-Bit A/D and nanoWatt Technology, 4K Flash, 18-Pin PDIP, Extended Temperature	U2	PDIP300-P18	PIC18F1220-E/P	1
μA78L05ACPKR	Positive-Voltage Regulator	U4	PK03	μA78L05ACPKR	1
12MHZ	Crystal Oscillator	Y1	R38	XTAL	1