

A

A

B

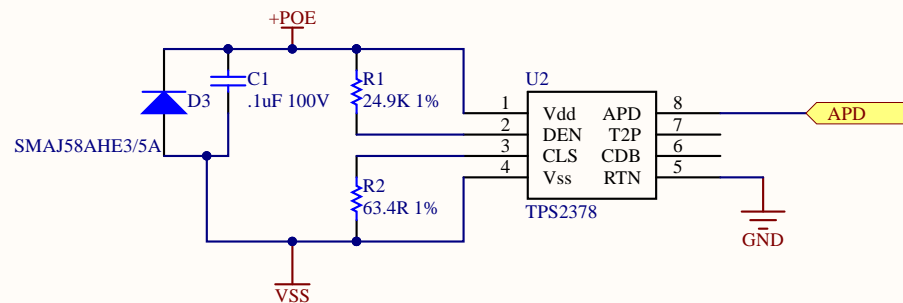
B

C

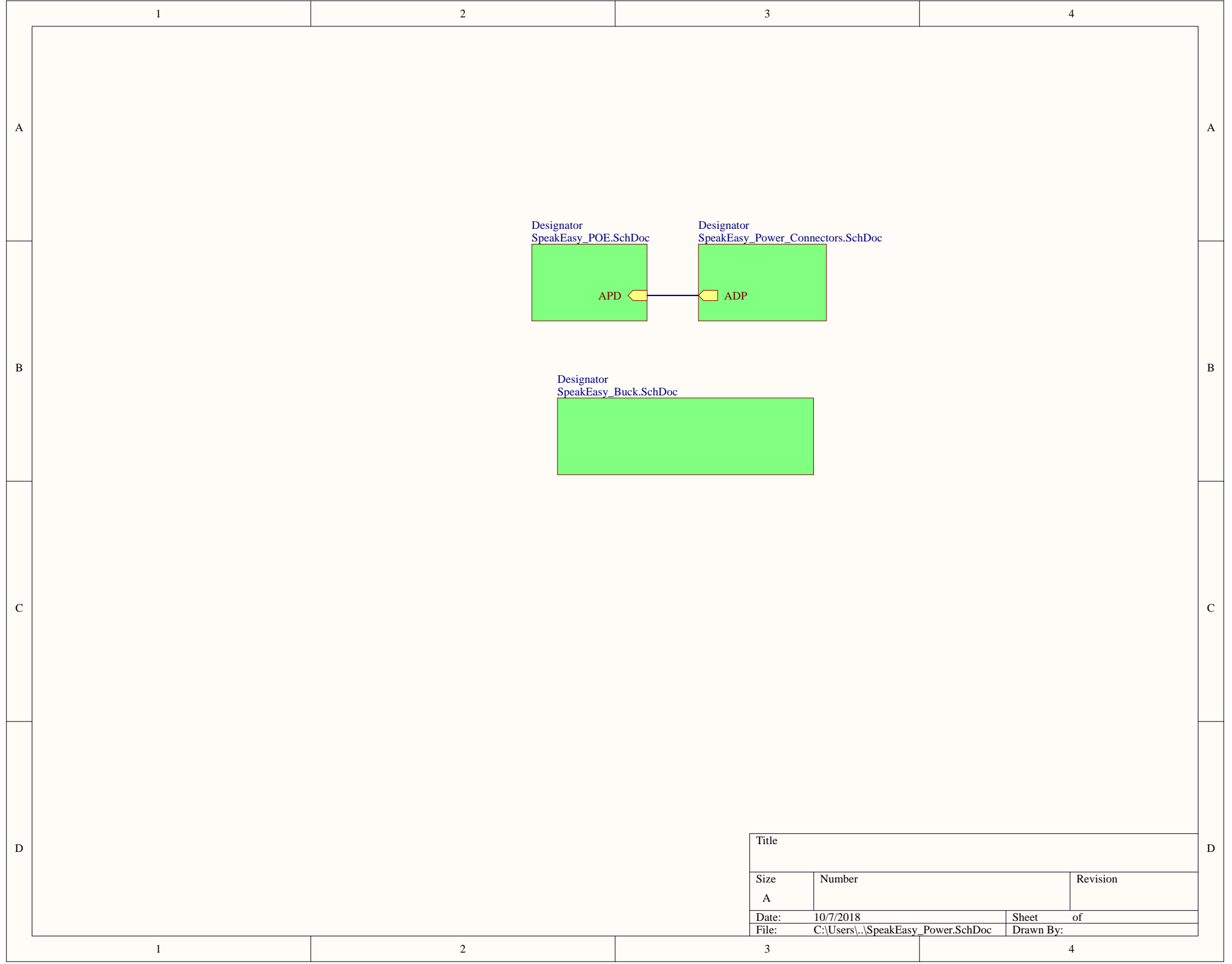
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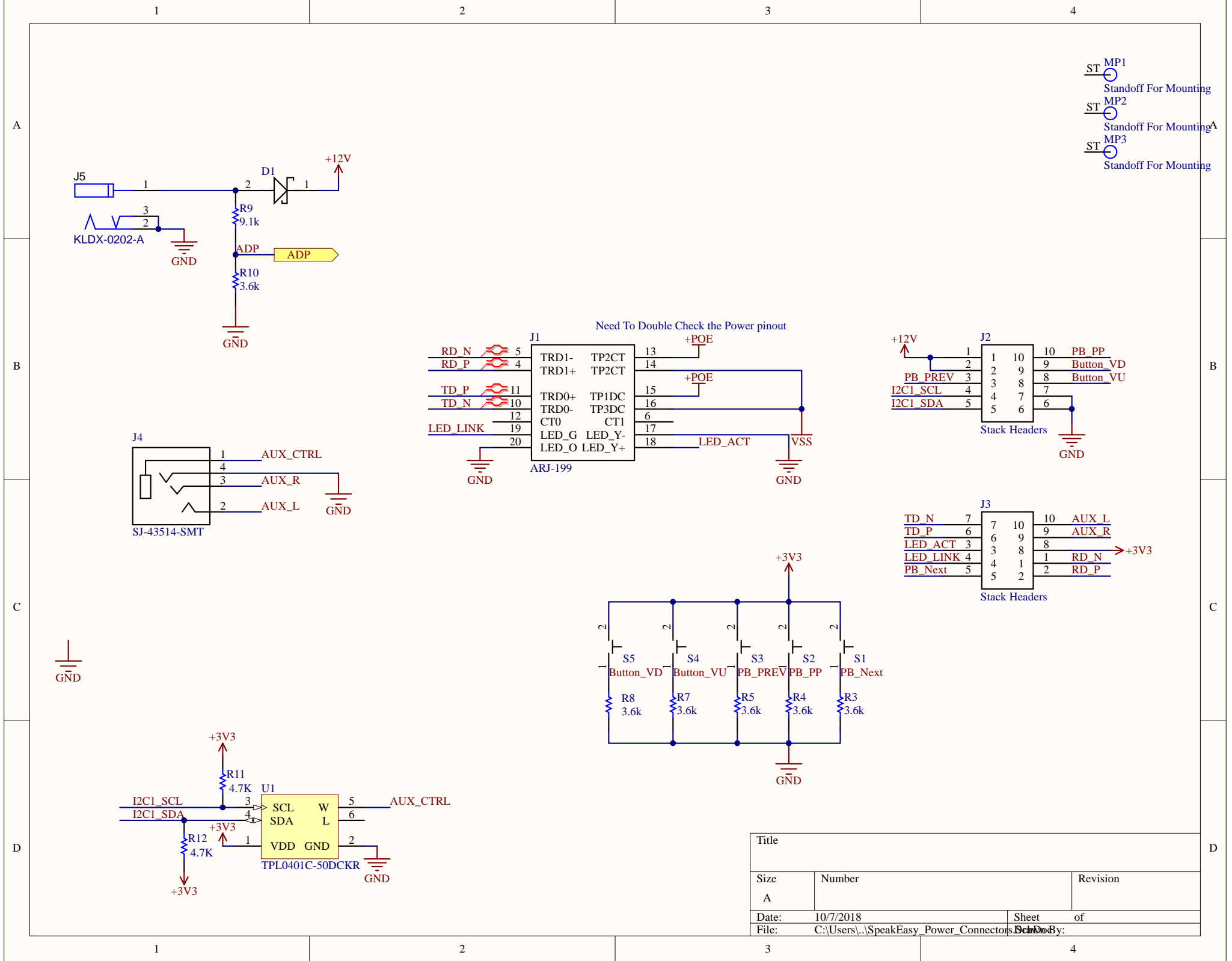
D

D



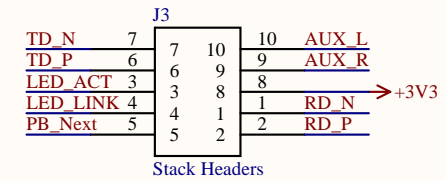
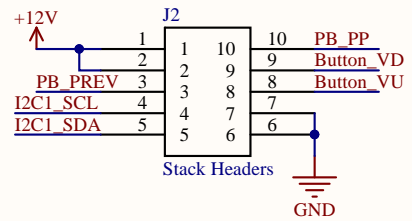
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Size	Number	Revision
A		
Date:	10/7/2018	Sheet of
File:	C:\Users\...\SpeakEasy_POE.SchDoc	Drawn By:



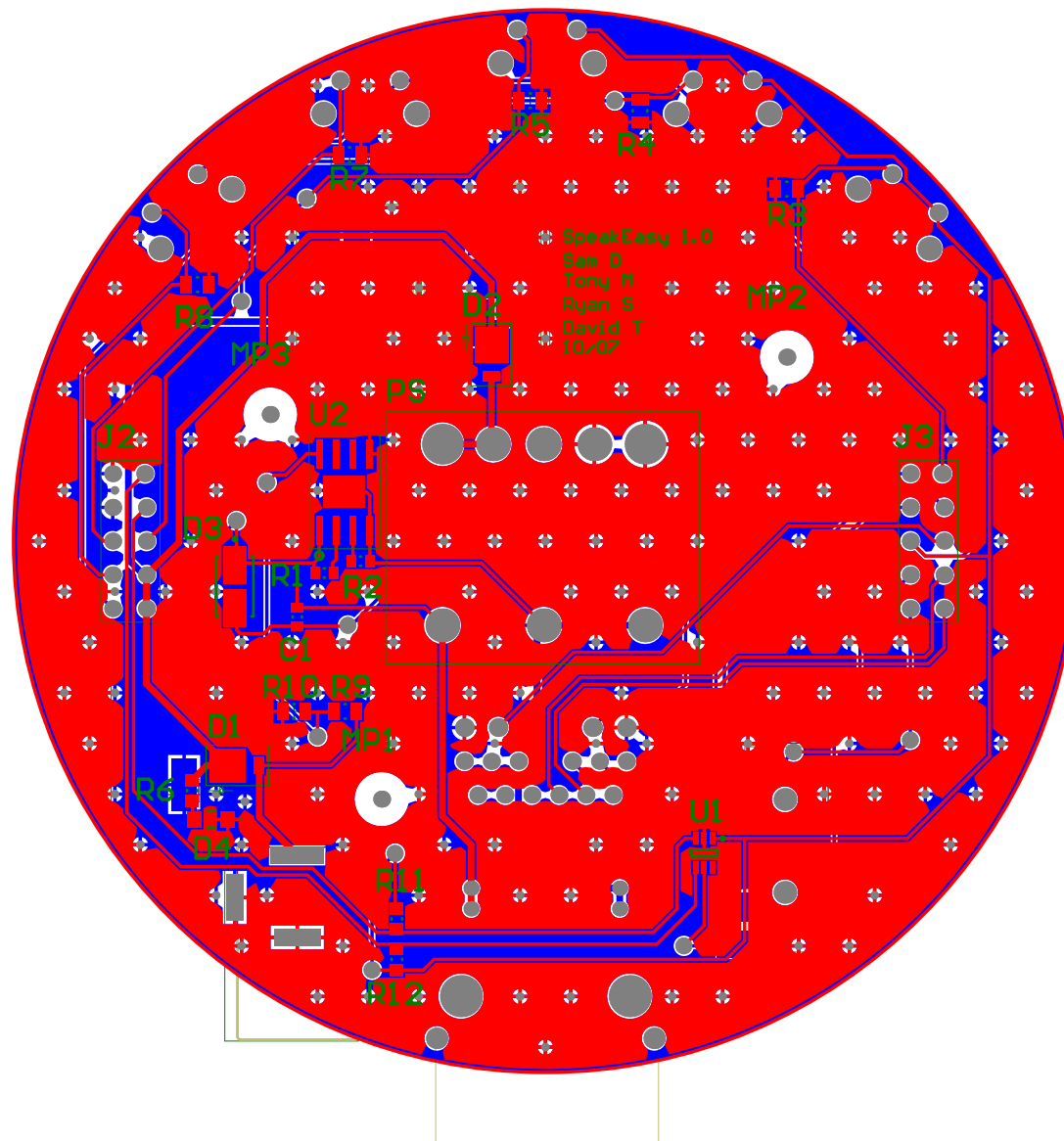


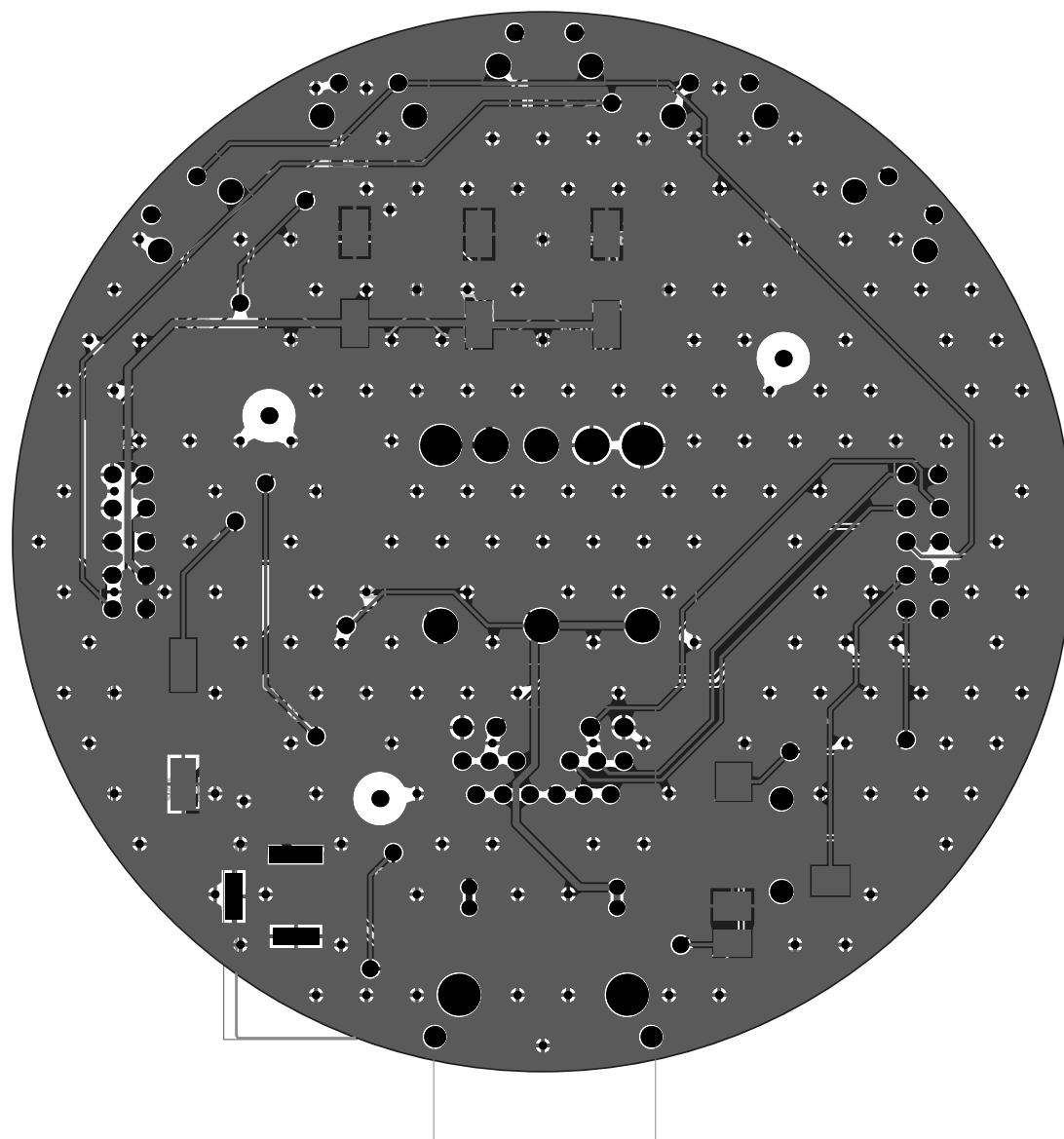
ST MP1
Standoff For Mounting
ST MP2
Standoff For Mounting
ST MP3
Standoff For Mounting

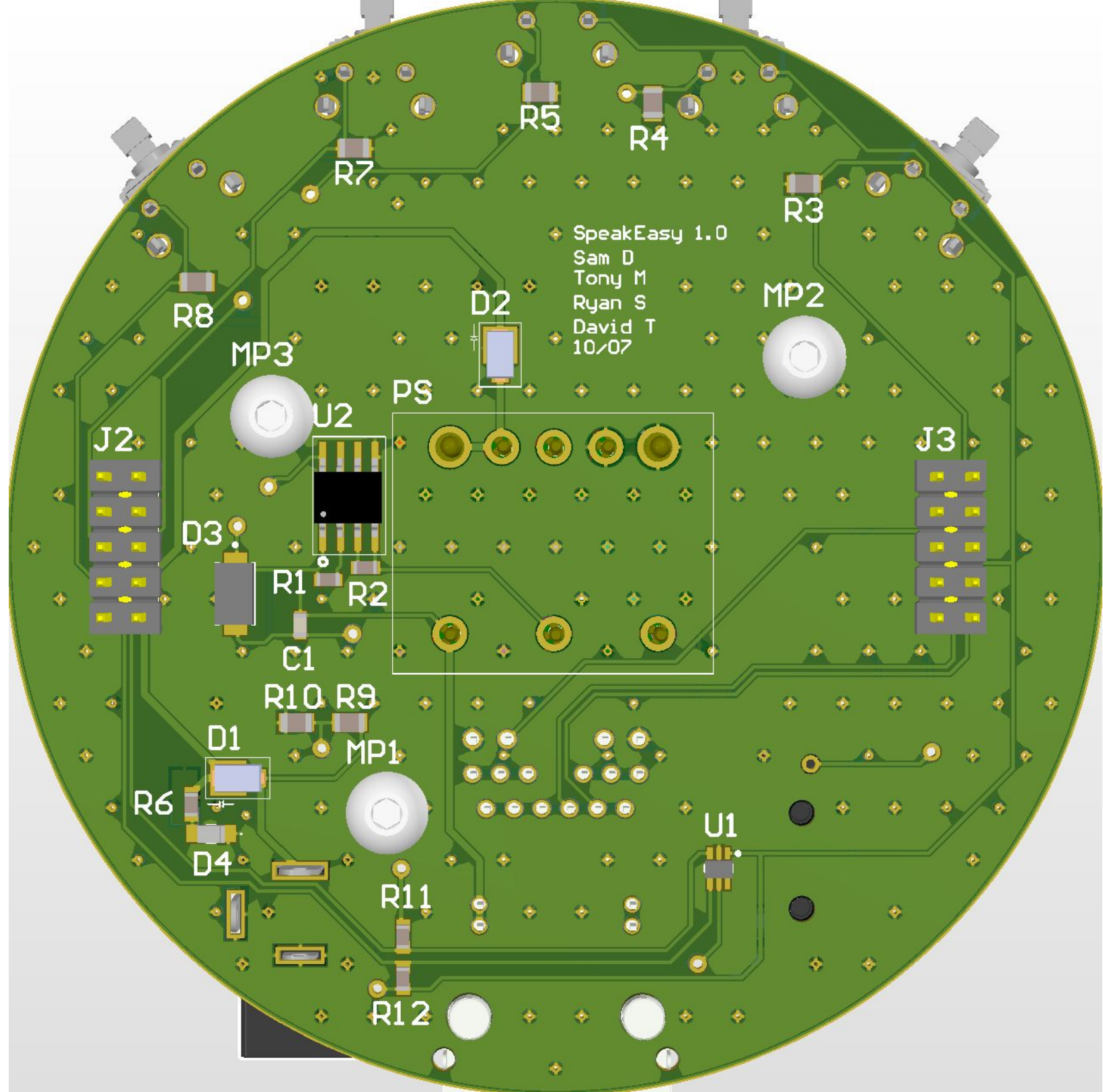
Need To Double Check the Power pinout



Title		
Size	Number	Revision
A		
Date:	10/7/2018	Sheet of
File:	C:\Users\...\SpeakEasy_Power_Connectors	Drawn By:







Comment	Description	Designator	Footprint	LibRef	Quantity
.1uF 100V	0.1µF ±10% 100V Ceramic Capacitor X7S 0603 (1608 Metric)	C1	CAPC0603(1608)100_L	CMP-1590-00005-1	1
UCL1V101MNL1GS	Aluminum Electrolytic Capacitor, 100 uF, 35 V, 20%, -55 to 105 degC, 2-Pin SMD, RoHS, Tape and Reel	C3, C4, C5	NIC-UCL1V101MNL1GS_L	CMP-2000-07344-1	3
EEH-ZA1H101P	Conductive Polymer Hybrid Aluminum Electrolytic Capacitor, 100 uF, +/- 20%, 50 V, -55 to 105 degC, 2-Pin SMD (G), RoHS, Tape and Reel	C6	PNSC-ZA-G_L	CMP-2000-06221-1	1
Shottkey Diode		D1, D2	DO-220AA	V3P6	2
SMAJ58AHE3/5A	Transient Voltage Suppressor, 6.40 to 231 V, 58 V Stand-off Voltage, Uni-Directional, -55 to 155 degC, 2-pin DO-214AC, Pb-Free, Tape and Reel	D3	VISH-DO-214AC-2_M	CMP-0548-00176-1	1
LTST-C171AKT	LED AMBER CLR THIN 0805 SMD	D4	LTST-C171AKT_V	CMP-1674-00004-3	1
ARJ-199	MagJack POE+ Jack	J1	ARJ-199	ARJ-199	1
Stack Headers		J2, J3	TSW-105	Stack Headers	2
SJ-43514-SMT		J4	CUI_SJ-43514-SMT	SJ-43514-SMT	1
KLDX-0202-A	DC Power Connectors 2mm PCB JACK POWER JACK	J5	KYCN-KLDX-0202-A_V	CMP-1673-00001-1	1
Standoff For Mounting		MP1, MP2, MP3	STO	Standoff	3
ULT	+12V/2.5A DC/DC Converter, requires 36-75V input to power on.	PS	ULT-12/2.5	ULT	1
24.9K 1%	0603 (1608 Metric) Chip Resistor	R1	RESC0603(1608)_L	CMP-1591-00001-1	1
63.4R 1%	0603 (1608 Metric) Chip Resistor	R2	RESC0603(1608)_L	CMP-1591-00001-1	1
3.6k	0805 (2012 Metric) Chip Resistor	R3, R4, R5, R7, R8, R10	RESC0805(2012)_L	CMP-1591-00002-1	6
1k		R6	RESC0603(1608)_N	CMP-1012-00122-1	1
9.1k	0805 (2012 Metric) Chip Resistor	R9	RESC0805(2012)_L	CMP-1591-00002-1	1
4.7k	100K 0.1W 5% 0603 (1608 Metric) SMD, [NoValue]	R11, R12	RESC0603(1608)_N	CMP-1012-00122-1	2
SPST Switch		S1, S2, S3, S4, S5	TL1105	SPST Switch	5
TPL0401C-50DCKR	128 Tap Digital Potentiometer with I2C Interface, -40 to 125 degC, 6-pin SOT23 (DCK6)	U1	TI-DCK6_V	CMP-0004-00347-1	1
TPS2378	POE Manager IC	U2	8SOPWR	TPS2378	1