

1

2

3

4

A

A

B

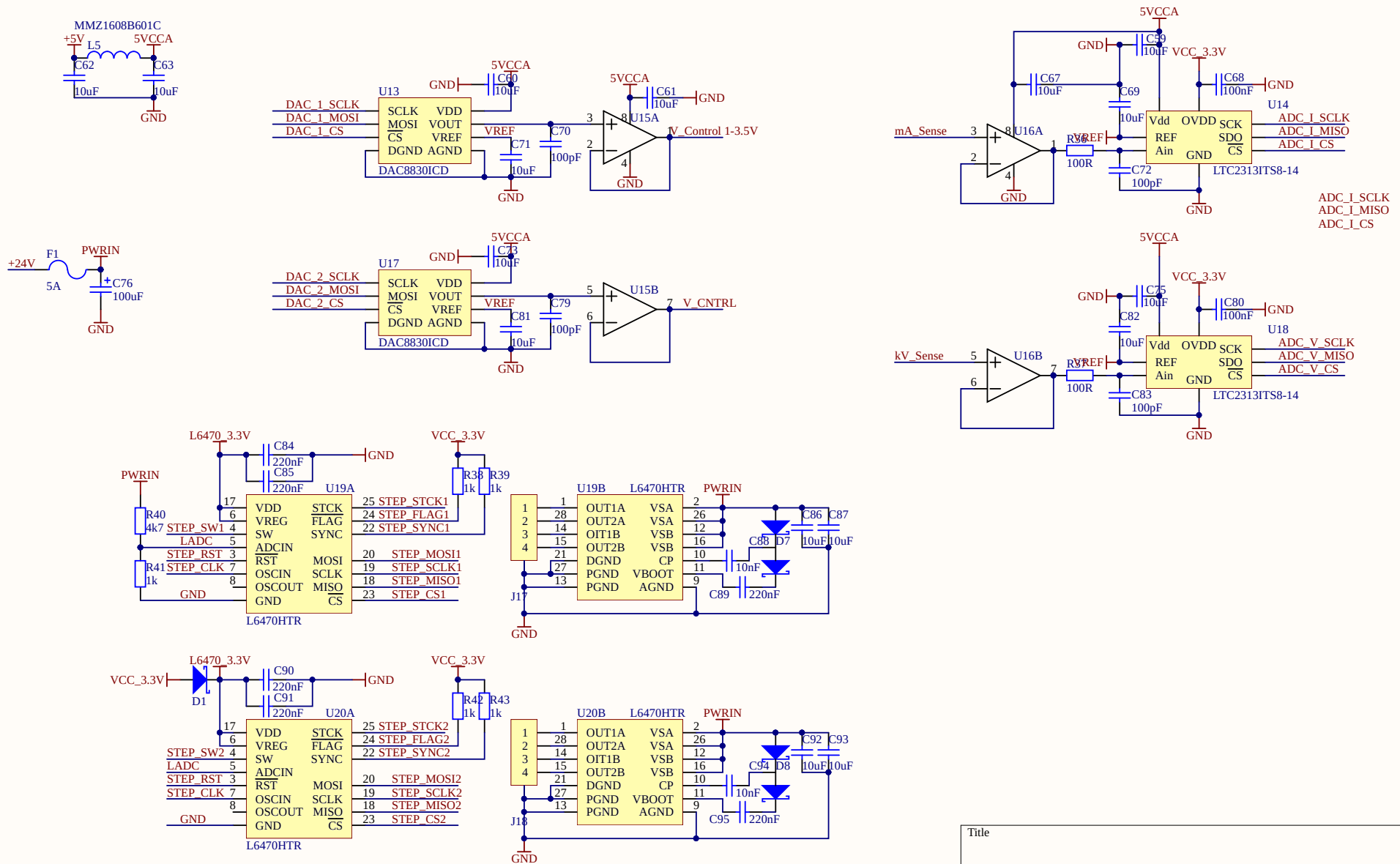
B

C

C

D

D



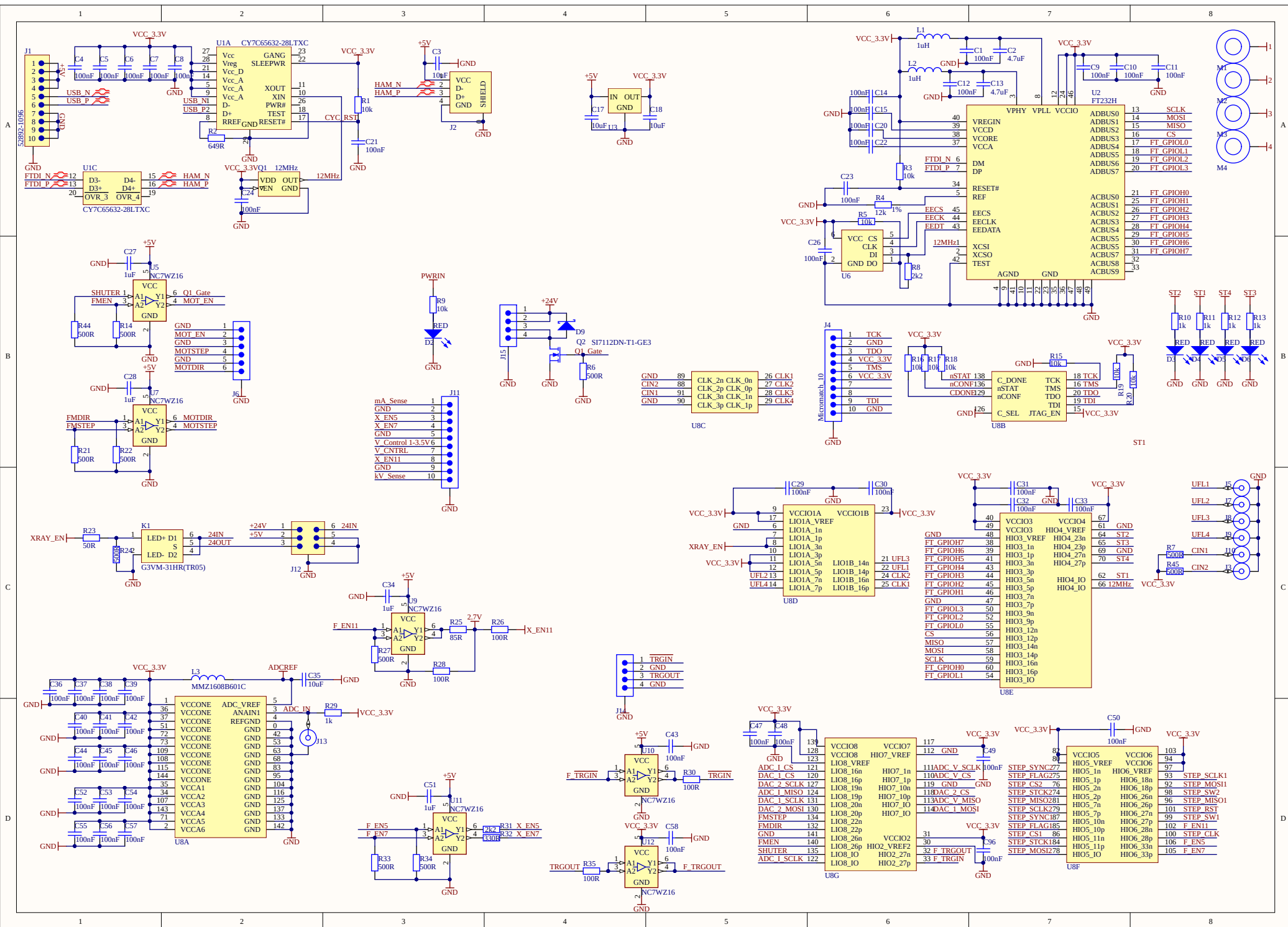
Title		
Size	Number	Revision
A4		
Date:	2/13/2018	Sheet of
File:	C:\Users\...\Analog.SchDoc	Drawn By:

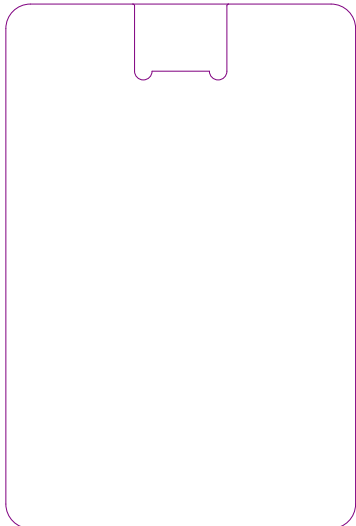
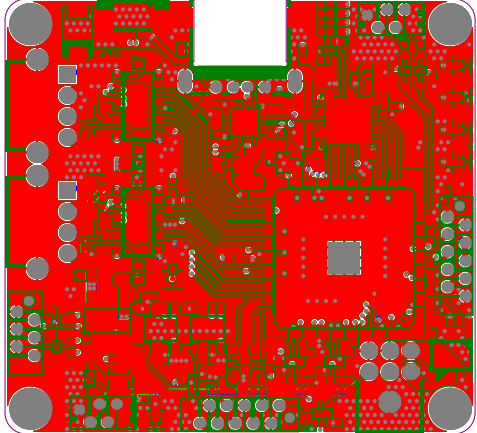
1

2

3

4





Comment	Description	Designator	Footprint	LibRef	Quantity
Capacitor	SMD Capacitor	C1, C2, C9, C10, C11, C12, C13, C14, C15, C20, C22, C23	C0603	Capacitor	12
10uF	SMD Capacitor	C3, C86, C87, C92, C93	C1206	Capacitor	5
		C4, C5, C6, C7, C8, C21, C24, C26, C29, C30, C31, C32, C33, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C52, C53, C54, C55, C56, C57, C58, C68, C80, C96	C0603	Capacitor	38
100nF	SMD Capacitor	C17, C18	C1206	Capacitor	2
1uF	SMD Capacitor	C27, C28, C34, C51	C0603	Capacitor	4
		C35, C59, C60, C61, C62, C63, C67, C69, C71, C73, C75, C81, C82	C0603	Capacitor	13
10uF	SMD Capacitor	C70, C72, C79, C83	C0603	Capacitor	4
100pF	SMD Capacitor	C76	TANTAL_D	TANTAL	1
TANTAL		C84, C85, C89, C90, C91, C95	C0603	Capacitor	6
220nF	SMD Capacitor	C88, C94	C0603	Capacitor	2
10nF	SMD Capacitor	D1, D9	SOD-123	Schottky Diode	2
Diode		D2, D3, D4, D5, D6	LED0603	LED	5
LED	LED	D7, D8	SOT23	BAV199	2
Diode		F1	F1206	Fuse	1
Fuse	Fuse	10pin ZIF 0.5mm	1-1734592-0	ZIF_10pin	1
52892-1096	10pin ZIF 0.5mm	J1	482580002	USB	1
USB	USB Connector	J3, J5, J7, J8, J9, J10, J13	UFL_Center	RF Connector	7
RF Connector		J4, J11	MICRO_MATCH_10_MF_H - FIX	Micromatch_10	2
Micromatch_10		J6	MICRO_MATCH_6_MF_H - FIX	Micromatch_6	1
Micromatch_6		J12	3-794620-6	3-794620-6	1
3-794620-6	6Pin Connector 5A	J14, J15	MICRO_MATCH_4_MF_H - FIX	Micromatch_4	2
Micromatch_4		J17, J18	2-1445054-4	2-1445054-4	2
2-1445054-4	4pin 5A 3mm pitch connector	K1	SOP6	G3VM-31HR(TR05)	1
G3VM-31HR(TR05)	OPTO Relay 4A 30V 40mOhm	L1, L2	L0603	Inductor	2
Inductor		L3, L5	L0603	MMZ1608B601C	2
MMZ1608B601C	Inductor 0.5A 400Ohms @ 100MHz	M1, M2, M3, M4	M3_SHELAD_0.3	Sheald	4
Sheald		Q1	Crystal5x3.2	Crystal	1
Crystal	CMOS oscillator	Q2	PowerPAK_1212	Si7102DN	1
Si7112DN-T1-GE3	12V 3mR Mosfet	R1, R5, R9	R0603	Resistor	3
10k	SMD Resistor	R2	R0603	Resistor	1
649R	SMD Resistor	R3, R15, R16, R17, R18, R19, R20	R0603	Resistor	7
Resistor	SMD Resistor	R4	R0402	Resistor	1
Resistor	SMD Resistor	R6, R7, R14, R21, R22, R24, R27, R33, R34, R44, R45	R0603	Resistor	11
500R	SMD Resistor	R8, R31	R0603	Resistor	2
2k2	SMD Resistor	R10, R11, R12, R13, R29, R38, R39, R41, R42, R43	R0603	Resistor	10
1k	SMD Resistor	R23	R0603	Resistor	1
50R	SMD Resistor	R25	R0603	Resistor	1
85R	SMD Resistor	R26, R28, R30, R35, R36, R37	R0603	Resistor	6
100R	SMD Resistor	R32	R0603	Resistor	1
330R	SMD Resistor	R40	R0603	Resistor	1
4k7	SMD Resistor	U1	QFN28	CY7C65632-28LTXC	1
CY7C65632-28LTXC	USB HUB	U2	QFN48	FT232H	1
FT232H	USB-UART/SPI converter	U3	SOT-223	LT1963	1
LT1963		U5, U7, U9, U10, U11, U12	SC70	NC7WZ16	6
NC7WZ16	Buffer	U6	SOT23-6	93LC46BT-I/OT	1
93LC46BT-I/OT	FT EEPROM	U8	EQFP144	10M08SAE144C8G	1
10M08SAE144C8G	Altera MAX10 FPGA	U13, U17	SO8	DAC8830ICD	2
DAC8830ICD	1MSPS SERIAL DAC	U14, U18	SOT238	LTC2313ITS8-14	2
LTC2313ITS8-14	14b 2.5MSps SAR ADC	U15, U16	SOT238	LTC6262	2
LTC6262ITS8#TRMPBF	Dual Opamp low noise 30Mhz	U19, U20	HTSSOP28	L6470HTR	2
L6470HTR	Stepper driver engine SPI				