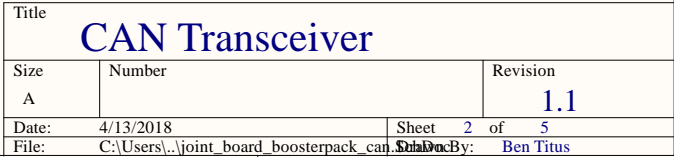
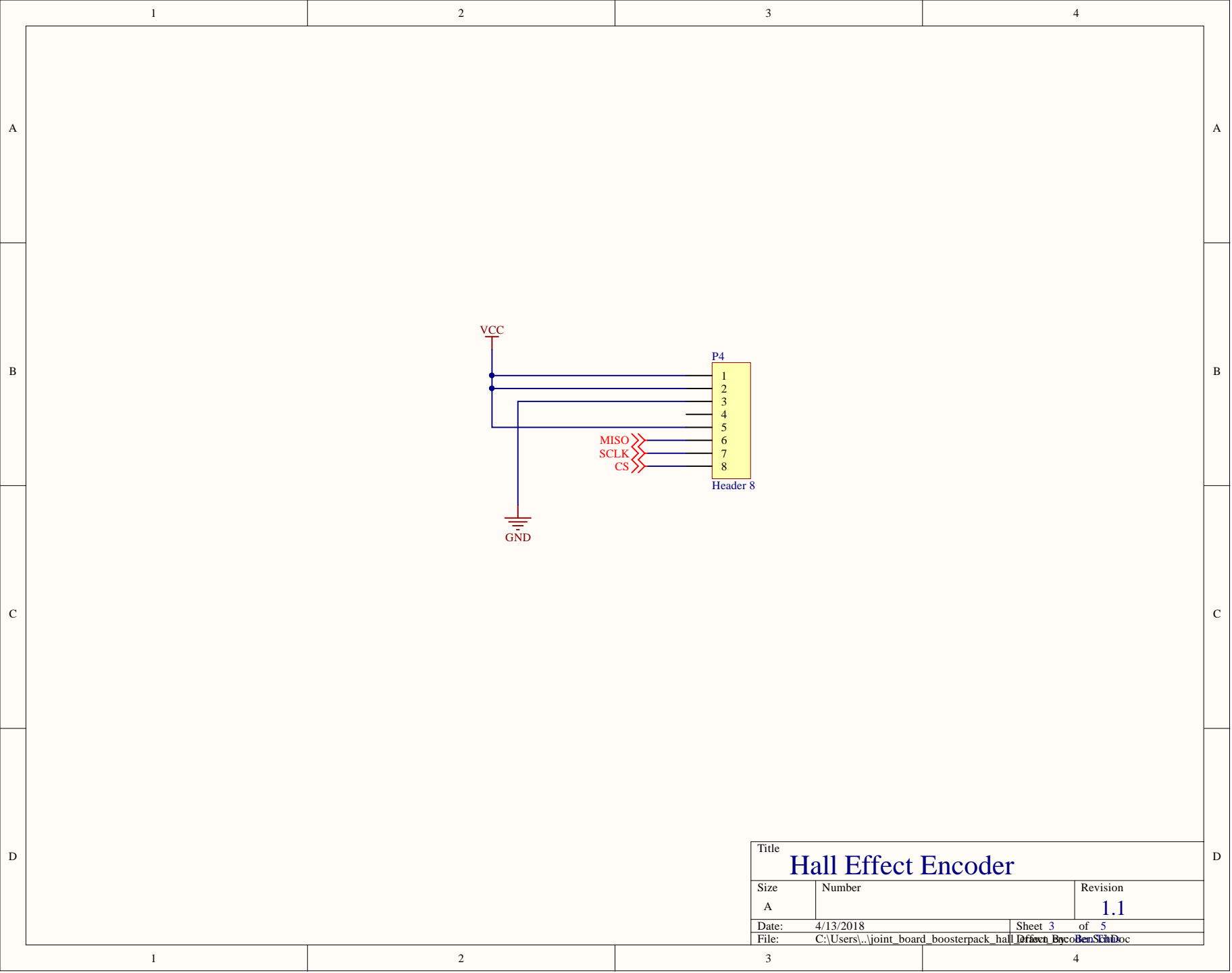
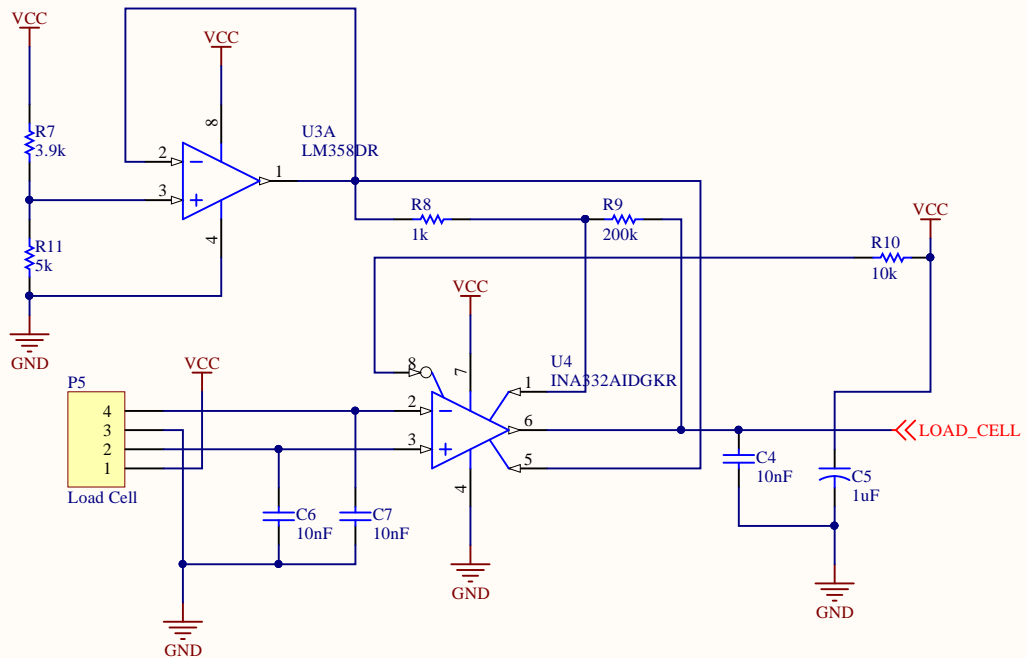


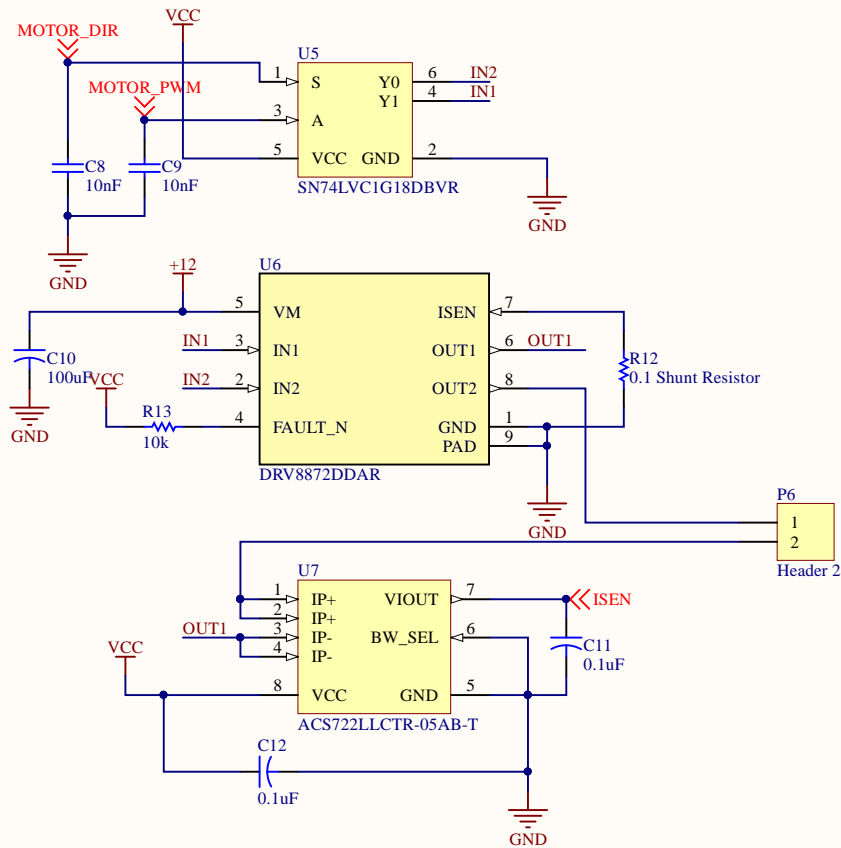
Title			Joint Board BoosterPack	
Size	Number		Revision	
A			1.1	
Date:	4/13/2018		Sheet 1	of 5
File:	C:\Users\...joint_board_boosterpack.SchDoc		Drawn By: Ben Titus	



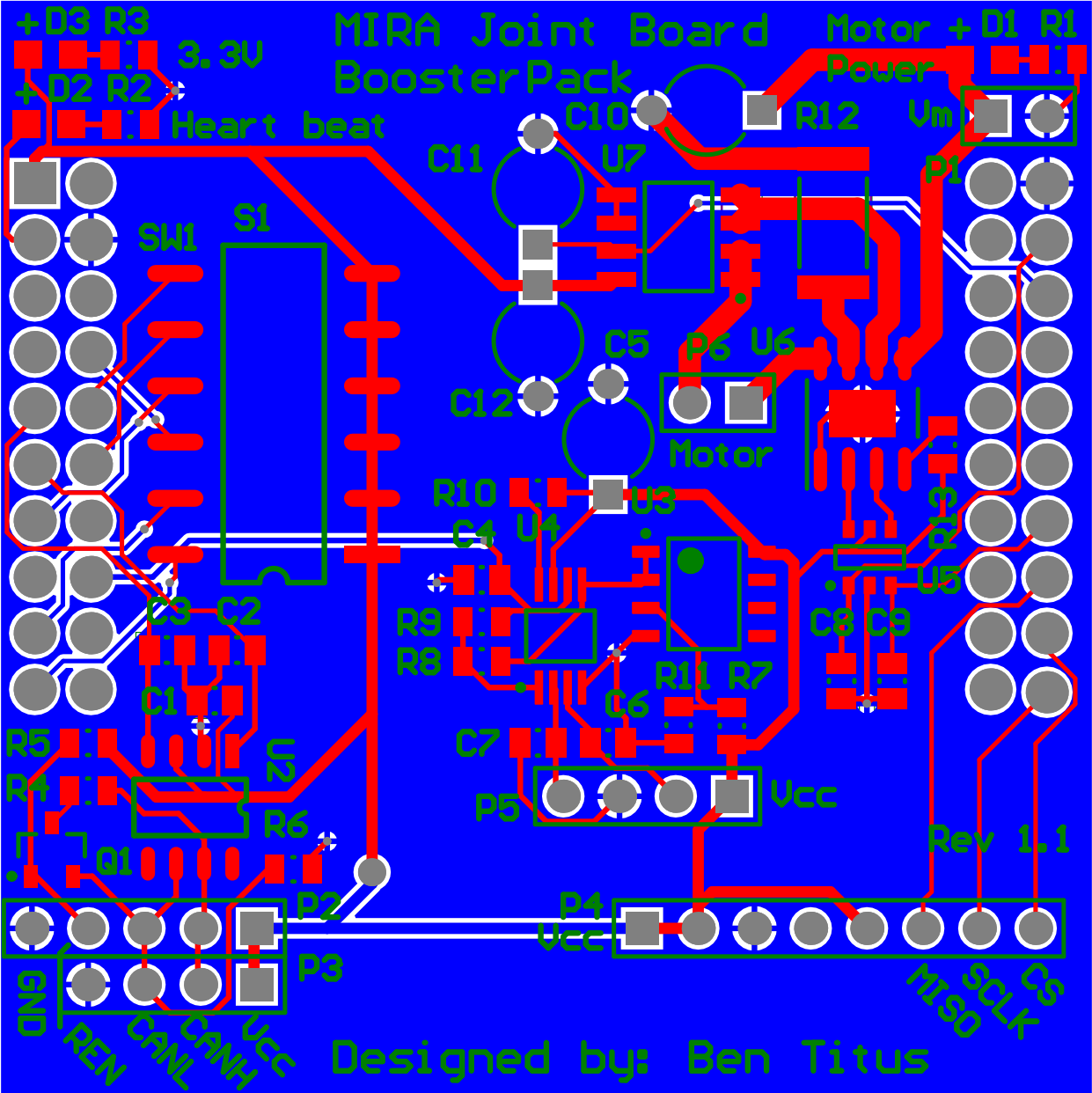




Title		
Load Cell Amplifier		
Size	Number	Revision
A		1.1
Date:	4/13/2018	Sheet 4 of 5
File:	C:\Users\...joint_board_boosterpack_load\Drawings\Ben Titus	



Title		
Motor Driver with Current Sensor		
Size	Number	Revision
A		1.1
Date:	4/13/2018	Sheet 5 of 5
File:	C:\Users\...\joint_board_boosterpack_motor_driver_schematic	



Comment	Description	Designator	Footprint	LibRef	Quantity
CAP0805	0805 (2012 Metric) Chip Capacitor	C1, C2, C3, C4, C6, C7, C8, C9	CAPC0805(2012)145 _L	CMP-1590-00003-1	8
1uF	Capacitor	C5	CAPR5-4X5	Cap2	1
100uF	100uF Filter Capacitor	C10	CAPR5-4X5	Cap2	1
0.1uF	Capacitor	C11, C12	CAPR5-4X5	Cap2	2
VM_LED		D1	0805 Diode	SMD_LED	1
HB_LED_LED		D2	0805 Diode	SMD_LED	1
VCC_LED		D3	0805 Diode	SMD_LED	1
Header 2	Header, 2-Pin	P1, P6	HDR1X2	Header 2	2
Header 5	Header, 5-Pin	P2	HDR1X5	Header 5	1
Header 4	Header, 4-Pin	P3	HDR1X4	Header 4	1
Header 8	Header, 8-Pin	P4	HDR1X8	Header 8	1
Load Cell	Header, 4-Pin	P5	HDR1X4	Header 4	1
BS170	Small Signal MOSFET, 500 mA, 60 V, N-Channel, 3- Pin TO-92, Bulk Box	Q1	SOT23-3	BS170	1
RES0805	0805 (2012 Metric) Chip Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R13	RESC0805(2012)_L	CMP-1591-00002-1	12
RES2512	2512 (6432 Metric) Chip Resistor	R12	RESC2512(6432)_L	CMP-1591-00007-1	1
DIP_Switch_6	6 pin DIP switch	S1	SOP12	DIP_Switch_6	1
BoosterPack Headers		U1	boosterpack_header s	BoosterPack Headers	1
TCAN332	3.3V CAN Transceiver	U2	SOP8	TCAN332	1
LM358DR	Dual Operational Amplifier, 3 to 32 V, 0 to 70 degC, 8-Pin SOIC (D), Green (RoHS & no Sb/Br), Tape and Reel	U3	D0008A_L	CMP-1685-00009-1	1
INA332AIDGKR	Low-Power, Single Supply, CMOS, Low Cost, Instrumentation Amplifier, -55 to 125 degC, 8-pin SOP (DGK8), Green (RoHS & no Sb/Br)	U4	DGK0008A_M	CMP-0944-00077-2	1
SN74LVC1G18DBVR	One of Two Noninverting Demultiplexer with 3- State Deselected Output, DBV0006A, LARGE T&R	U5	DBV0006A_L	CMP-0859-00184-3	1
DRV8872DDAR	Imported	U6	DDA0008H_N	DRV8872DDAR	1
ACS722LLCTR-05AB- T	High Accuracy, Galvanically Isolated Current Sensor IC, 3 to 3.6 V, -5 to 5 A IP, -40 to 150 degC, 8- Pin SOIC (LC), RoHS, Tape and Reel	U7	ALEG-LC-8_V	CMP-1557-00006-1	1