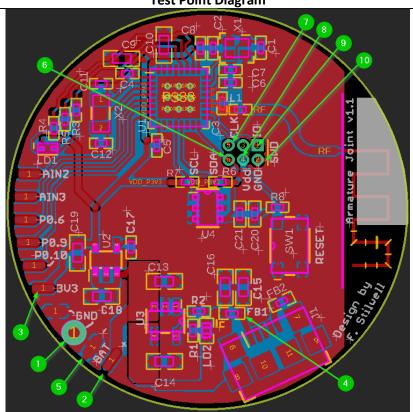
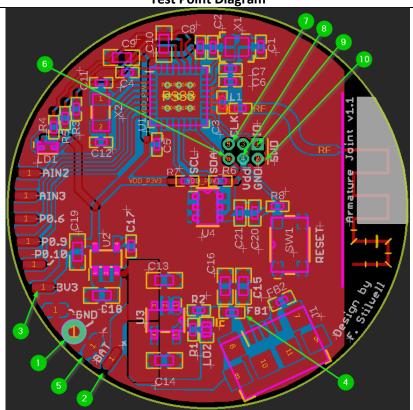
PCB Name	Armature Joint V1.1
Serial	3
Number	
Tester	Flynn Stilwell



Test Points	Test Parameters /	Criterion,	Value	Comments
	Conditions	Units		
Multimeter			0.1	
Probes				
1-2			OL	
1-3			9.78k	
1-4			OL	
1-10	No nower connected	Posistanco O	0.0	
1-6	No power connected	Resistance, Ω	0.0	Check button, all pins
				connected to GND. Button
				pin 4 connected to GND
1-7			6.12M	
1-8			OL	
1-9			6.15M	
1-2				
1-3	USB Power Only	Voltage, V		
1-4				
1-2				
1-3	Battery Power Only	Voltage, V		
1-4				
Notes:				

- RGB LED orientation is wrong
- Button is not functioning due to schematic error, should be removed

PCB Name	Armature Joint V1.1
Serial	4
Number	
Tester	Flynn Stilwell

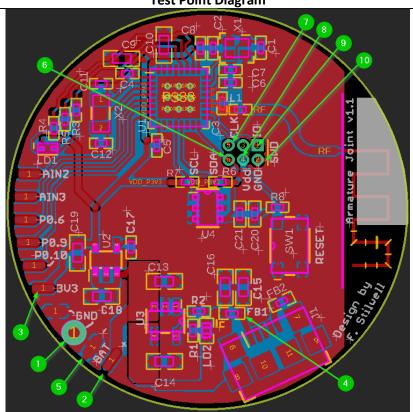


Test Points	Test Parameters /	Criterion,	Value	Comments
	Conditions	Units		
Multimeter			0.3	
Probes				
1-2			OL	
1-3			9.82k	Value from pullup resistor
				R8, related to GND'd switch
1-4			OL	
1-10	No power connected	Resistance, Ω	0.1	
1-6			0.1	Check button, all pins
				connected to GND. Button
				pin 4 connected to GND
1-7			47.2k	
1-8			OL	
1-9			6.52M	
1-2			3.987	
1-3	LICD Davis Only	Voltage, V	3.343	
1-4	USB Power Only		5.074	
USB Tester		Current, A		
1-2	Dattan Davis Col	\/alta== \/		
1-3	Battery Power Only	Voltage, V		
USB Tester		Power, W		

Battery + USB,	Current, A	
Charging battery	Voltage, V	

- RGB LED orientation is wrong
- Button is not functioning due to schematic error, should be removed

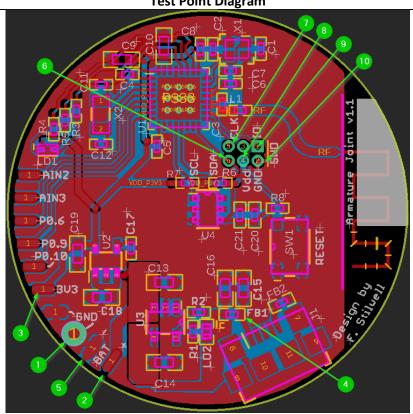
PCB Name	Armature Joint V1.1
Serial	5
Number	
Tester	Flynn Stilwell



Test Points	Test Parameters /	Criterion,	Value	Comments
	Conditions	Units		
Multimeter				
Probes				
1-2			OL	
1-3			9.84k	Value from pullup resistor
				R8, related to GND'd switch
1-4			OL	
1-10	No power connected	Resistance, Ω	0.2	
1-6			0.2	Check button, all pins
				connected to GND. Button
				pin 4 connected to GND
1-7			47.48k	
1-8			9.84k	
1-9			152.0k	
1-2				
1-3	USB Power Only	Voltage, V		
1-4				
1-2				
1-3	Battery Power Only	Voltage, V		
1-4				

- LD2, charger indicator orientation is wrong
- BLE Blinky program upload: Indicates advertisement but cannot be found with nRF Connect Android
- C1 possibly disconnected
- Button is not functioning due to schematic error, should be removed

PCB Name	Armature Joint V1.1
Serial	6
Number	
Tester	Flynn Stilwell

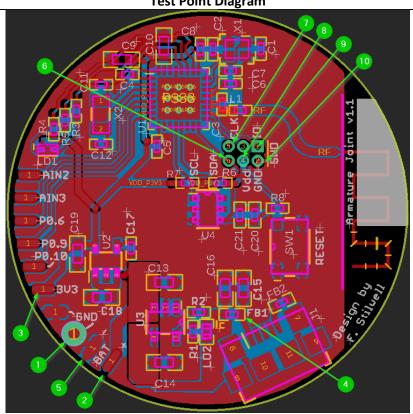


Test Points	Test Parameters /	Criterion,	Value	Comments
	Conditions	Units		
Multimeter			0.2	
Probes				
1-2			OL	
1-3			9.80k	Value from pullup resistor
				R8, related to GND'd switch
1-4			OL	
1-10	No power connected	Resistance, Ω	0.1	
1-6			0.2	Check button, all pins
				connected to GND. Button
				pin 4 connected to GND
1-7			47.92k	
1-8			9.80k	
1-9			156.0k	Lower than S/N 3 and 4
1-2			4.060	
1-3	LICE Davier Only	Voltage, V	3.328	
1-4	USB Power Only		5.072	
USB Tester		Current, A	0.000	No current draw, no shorts
1-2				
1-3	Battery Power Only	Voltage, V		
1-4		_		

Notes:	

- Removed Button
- R4 and R5 needed more solder on their uC pin pads

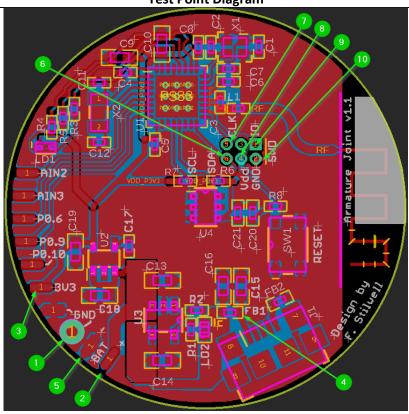
PCB Name	Armature Joint V1.1
Serial	1
Number	
Tester	Flynn Stilwell



Test Points	Test Parameters / Conditions	Criterion, Units	Value	Comments
Multimeter Probes				
1-2			OL	
1-3			9.82k	Value from pullup resistor R8, related to GND'd switch
1-4			OL	
1-10	No power connected	Resistance, Ω	0.2	
1-6			0.2	Check button, all pins connected to GND. Button pin 4 connected to GND
1-7			45.53k	
1-8			9.82k	
1-9			148.7k	
1-2			4.062	
1-3	USB Power Only	Voltage, V	3.327	
1-4	·		5.048	
1-2			3.860	
1-3	Battery Power Only	Voltage, V	3.328	
1-4	,		0.515	

- RGB LED orientation is wrong
- Button is not functioning due to schematic error, should be removed

PCB Name	Armature Joint V1.1
Serial	2
Number	
Tester	Flynn Stilwell



Test Points	Test Parameters / Conditions	Criterion, Units	Value	Comments
Multimeter Probes				
1-2			OL	
1-3			9.80k	Value from pullup resistor
				R8, related to GND'd switch
1-4	No power connected	Resistance, Ω	OL	
1-10			0.2	
1-6			0.2	Check button, all pins
				connected to GND. Button
				pin 4 connected to GND
1-7			47.64k	
1-8			9.80k	
1-9			0.955M	Lower than S/N 3 and 4,
				higher than 6
1-2	USB Power Only	Voltage, V	-0.155	Issue with charger IC.
				Pin 1, Stat = ~0V
				Pin 2, GND = 0.0V
				Pin 3, VBAT = -120mV
				Pin 4, VDD = 5.109V
				Pin 5, Prog = ~0V

1-3			0.0	
1-4			5.109	
1-2				
1-3	Battery Power Only	Voltage, V		
1-4				

- LD2, charger indicator orientation is wrong
- Charger IC is not working
 Button is not functioning due to schematic error, should be removed