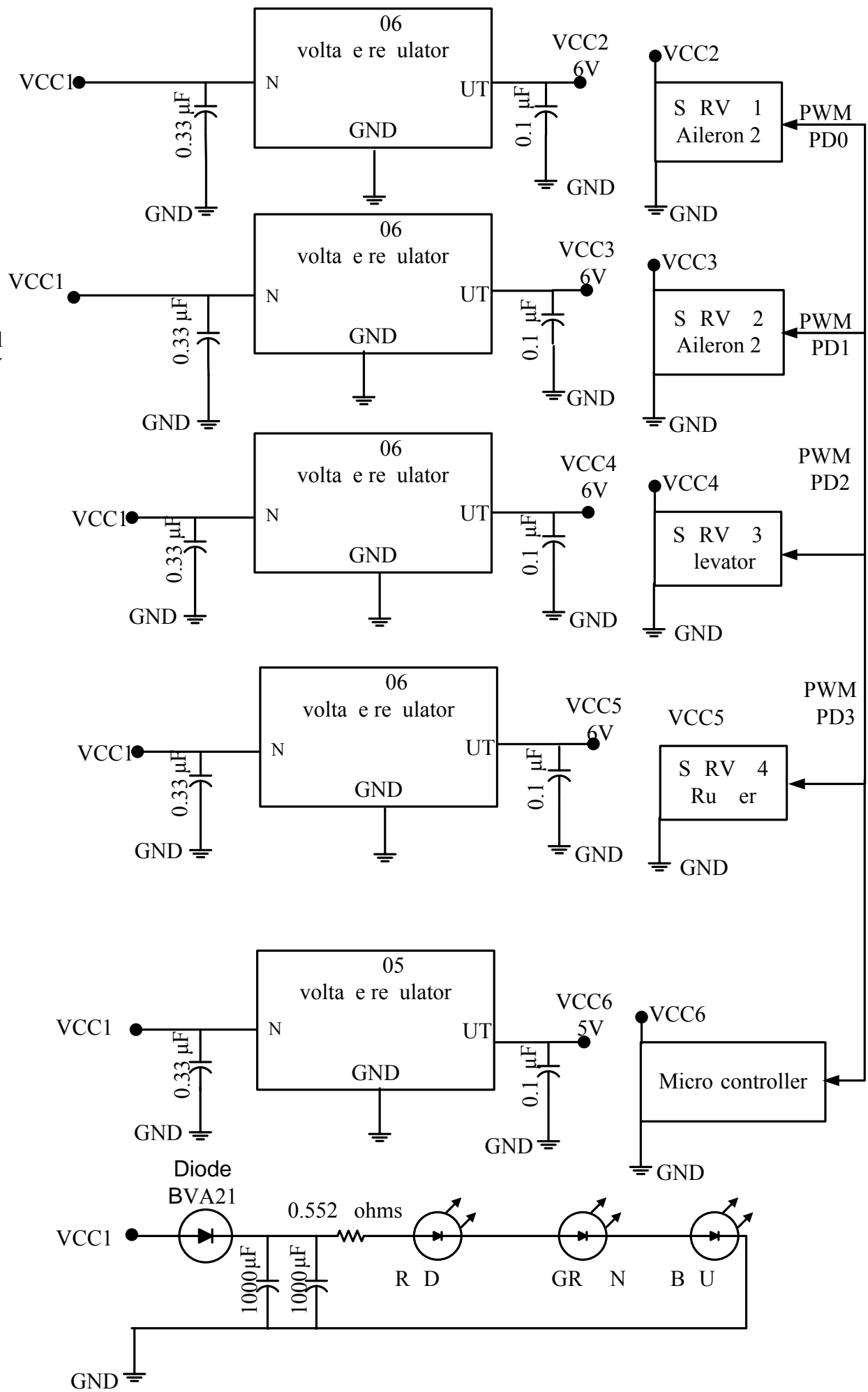
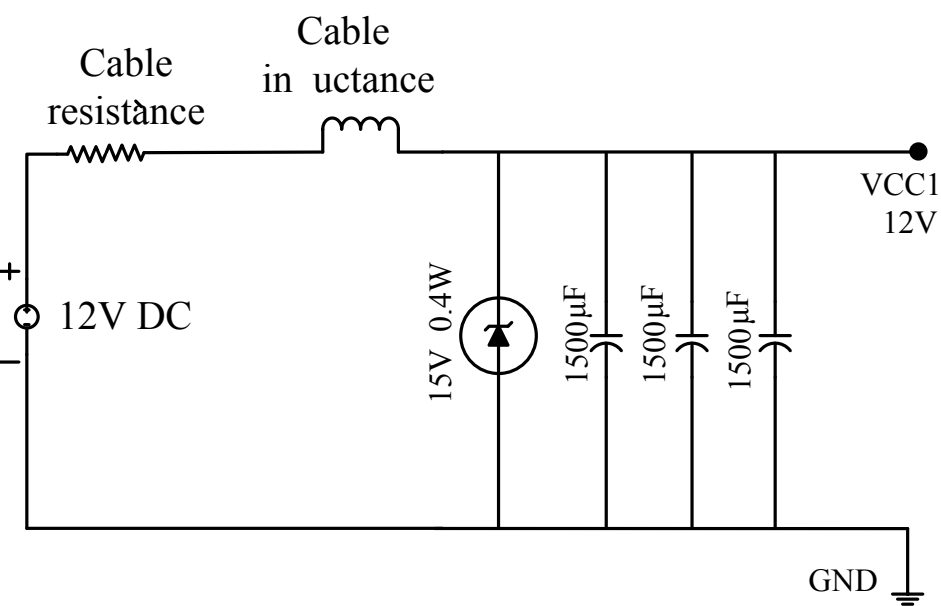
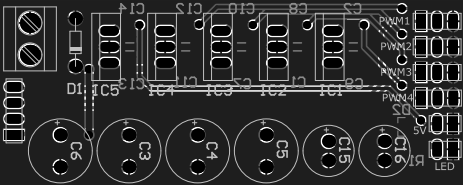
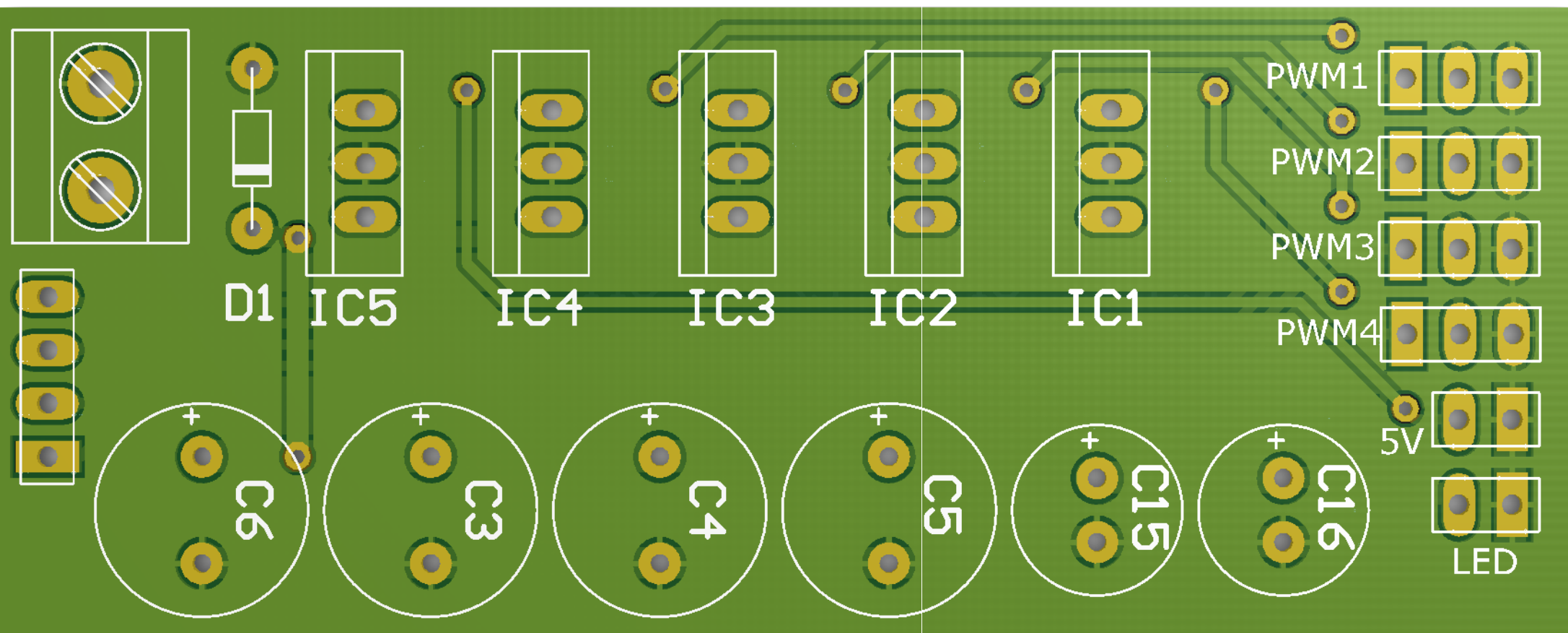


IPSA V1.0

PIN	IMU break out	Microcontroller board connection	Colors
1	VCC	VCC + 5VR	Orange yellow
2	VCC	VCC + 5VR	Orange yellow
3	SCLK	PA2	blue
4	DOUT	PA4	green
5	DIN	PA5	grey
6	CS	PA3	purple
7	DIO1	PA6	black
8	RST	PA7	white
9	NC	NC	
10	NC	NC	
11	NC	NC	
12	NC	NC	
13	GND	GND	Green blue
14	GND	GND	Green blue





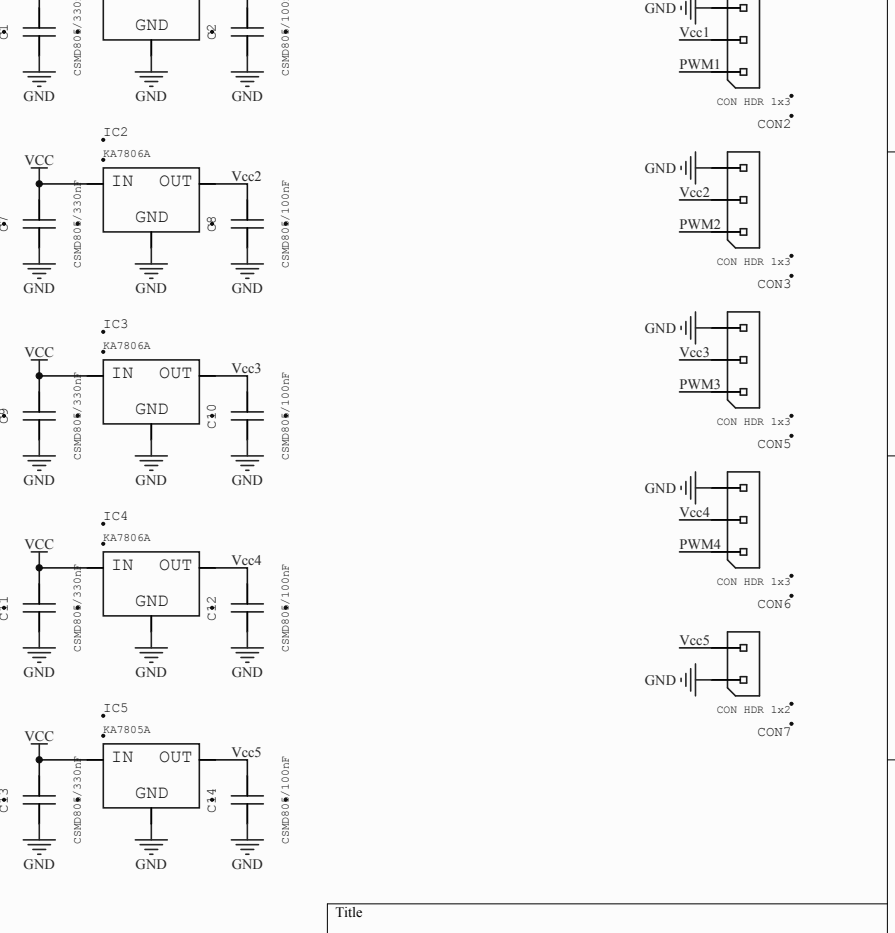
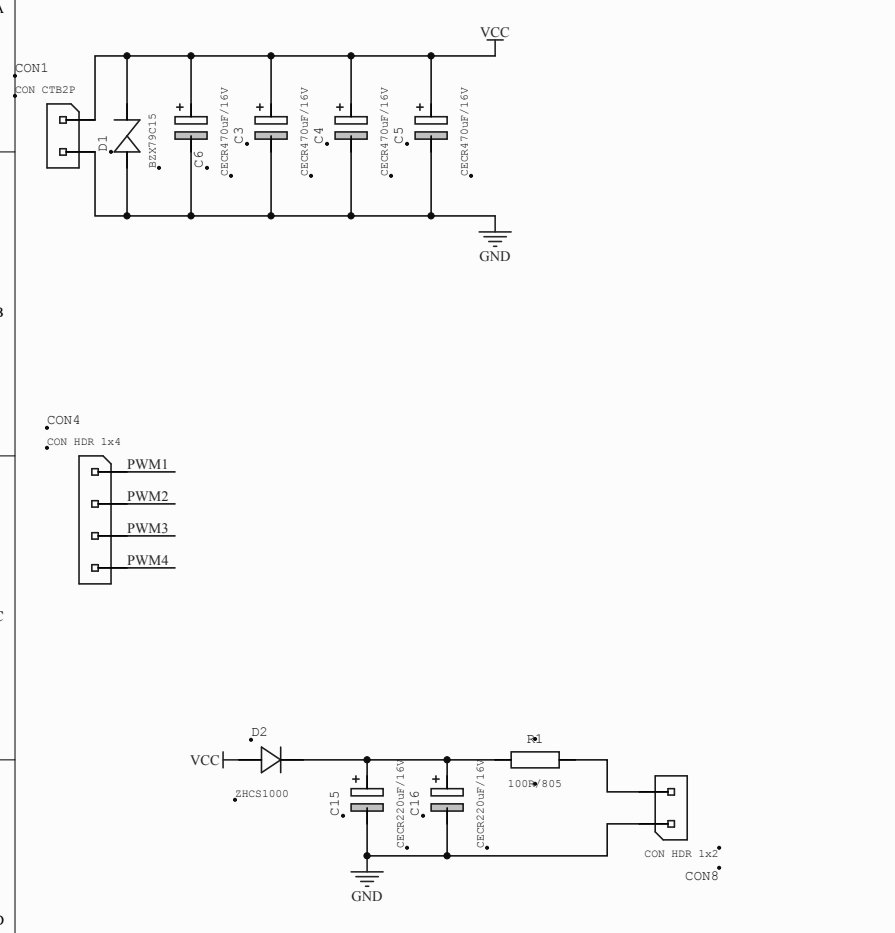


A

B

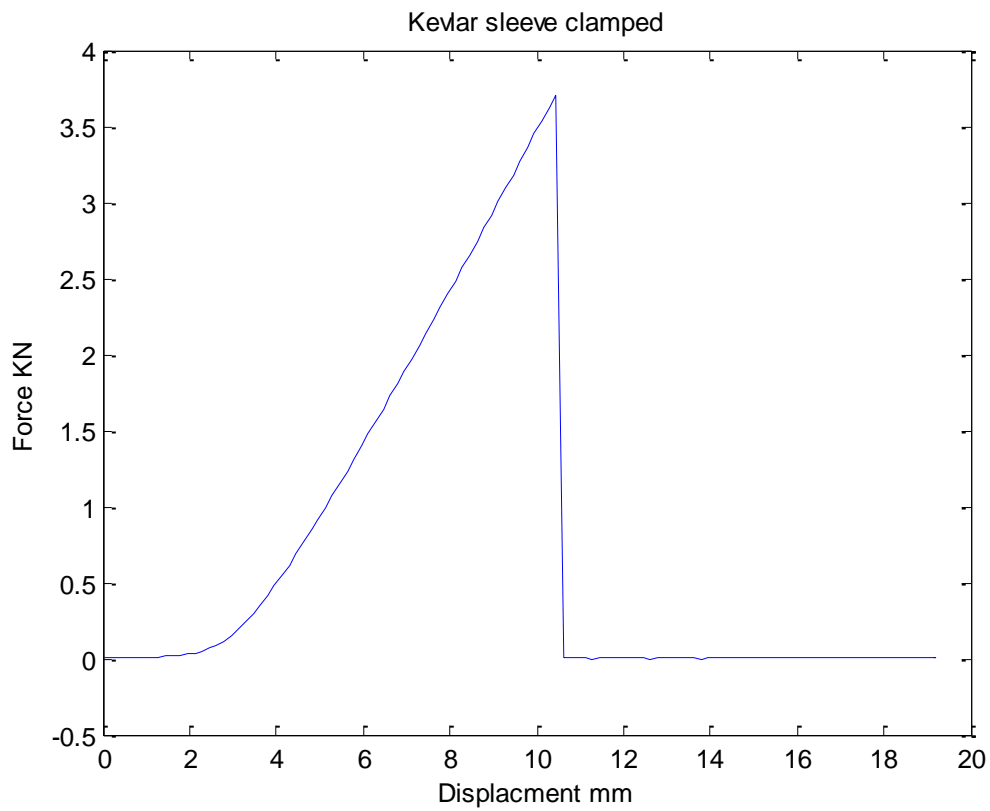
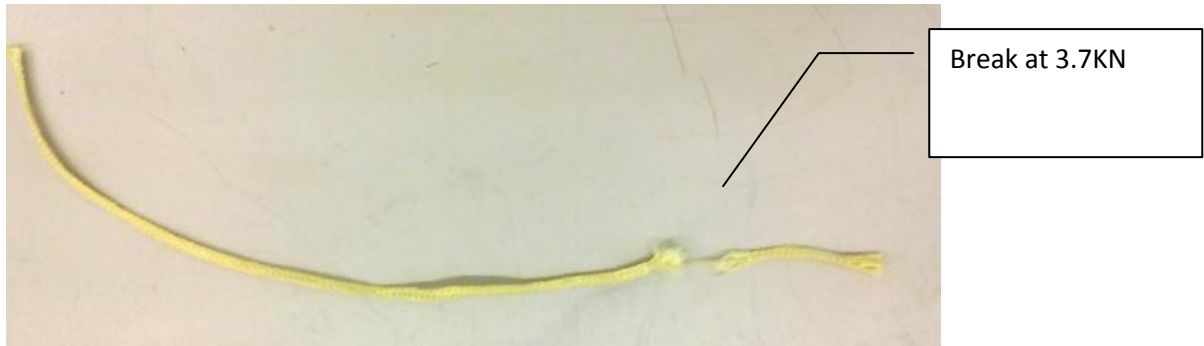
C

D

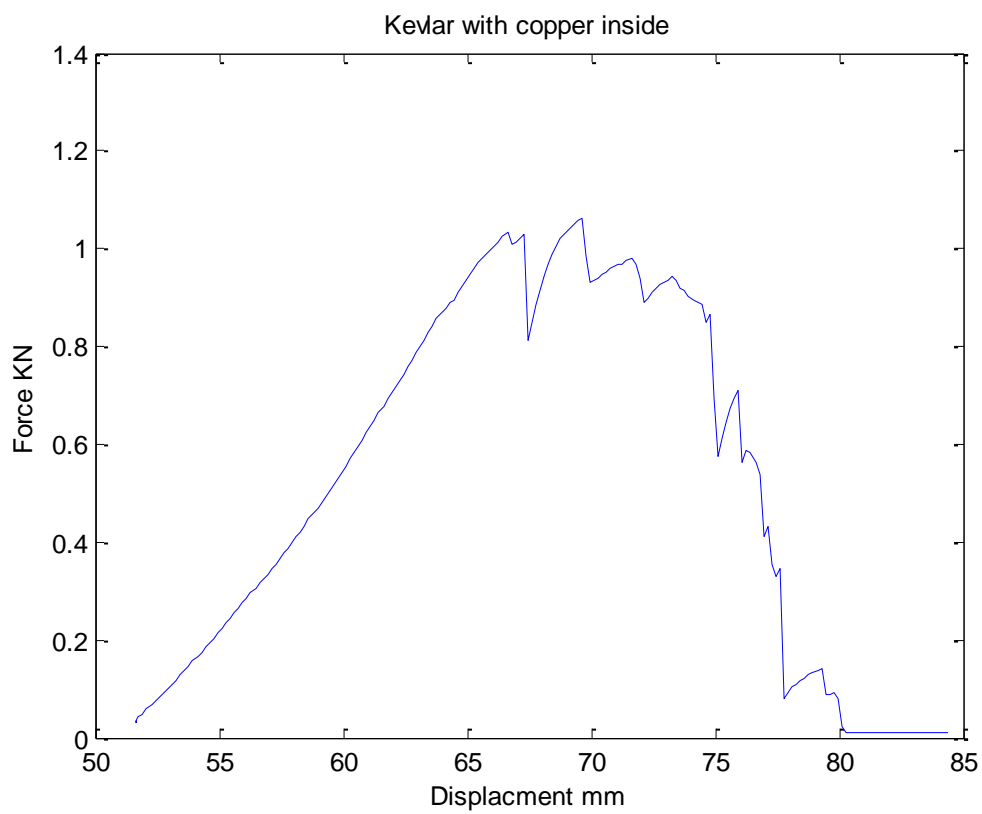
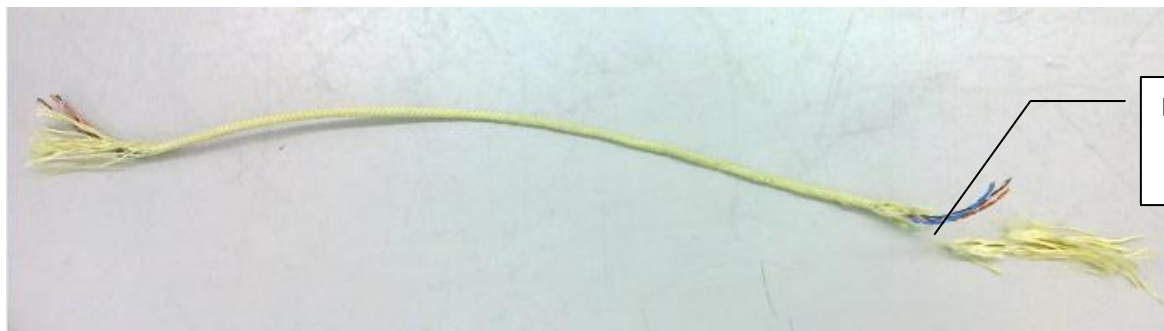


Title		
Size	Number	Revision
A4		
Date:	6/6/2012	Sheet of
File:	C:\Users\...\PowerSupply.SchDoc	Drawn By:

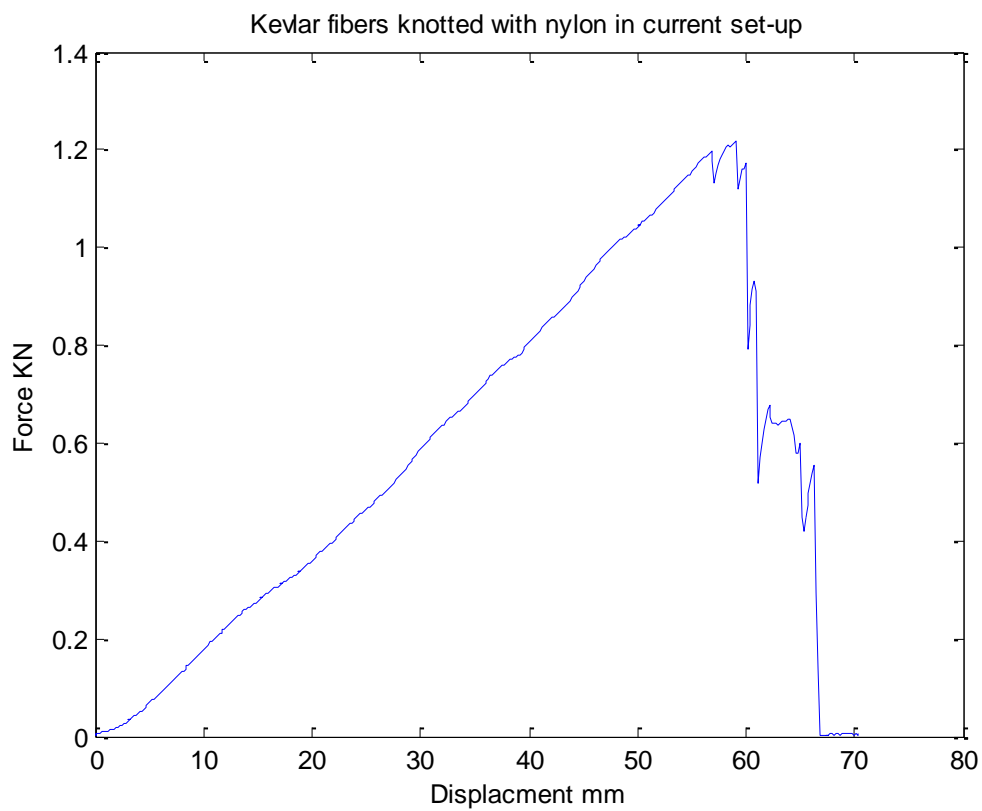
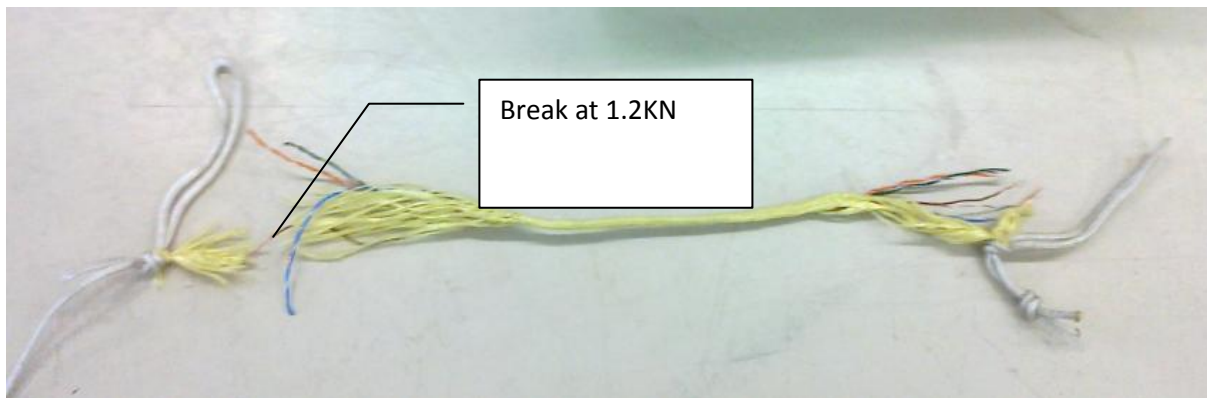
1.1 Kevlar Sleeve directly clamped to the gripper



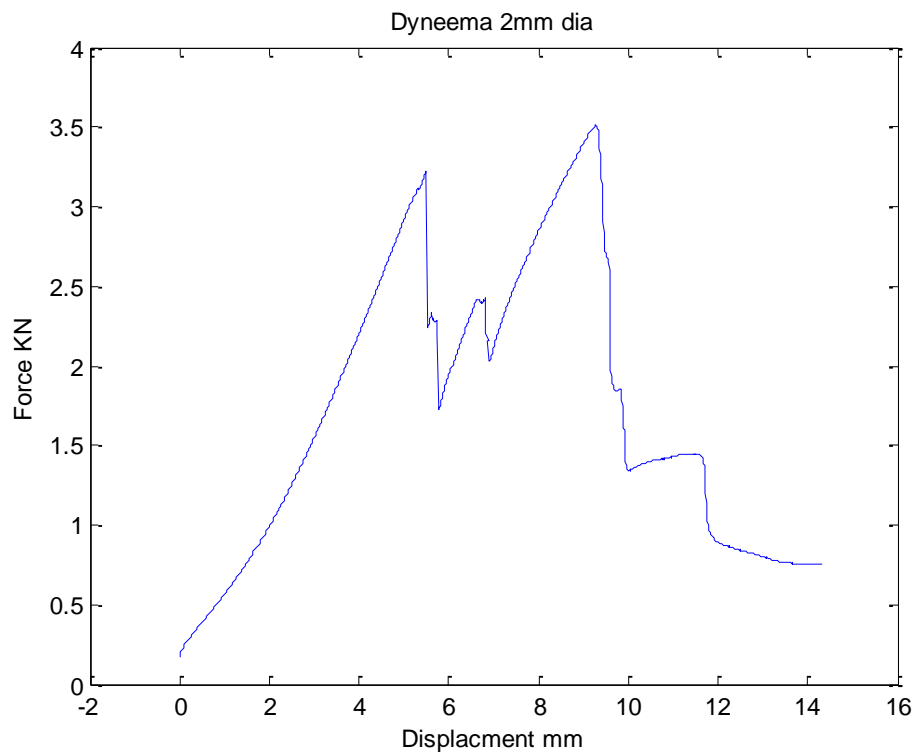
1.2 Kevlar Sleeve strands directly clamped to the gripper with copper inside



1.3 Kevlar Sleeve with larks head knot to nylon line directly attached to the aircraft (**Current working set-up**)



2.1 Dyneema LIROS D-Pro with 2mm diameter (**Current tether made from LIROS GmbH**)



2.2 Dyneema with 3mm diameter

