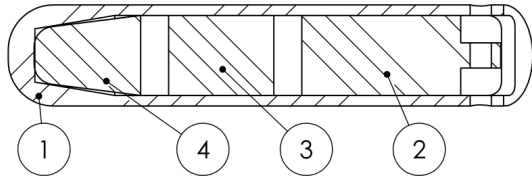
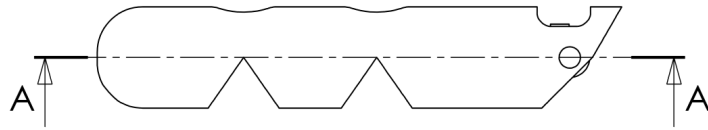


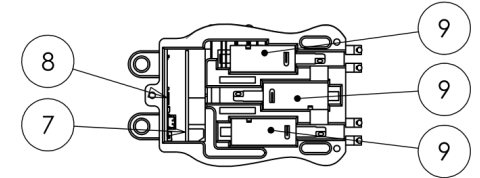
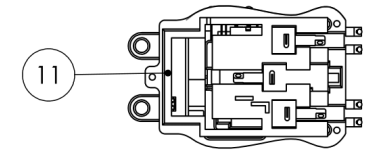
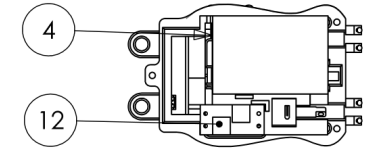
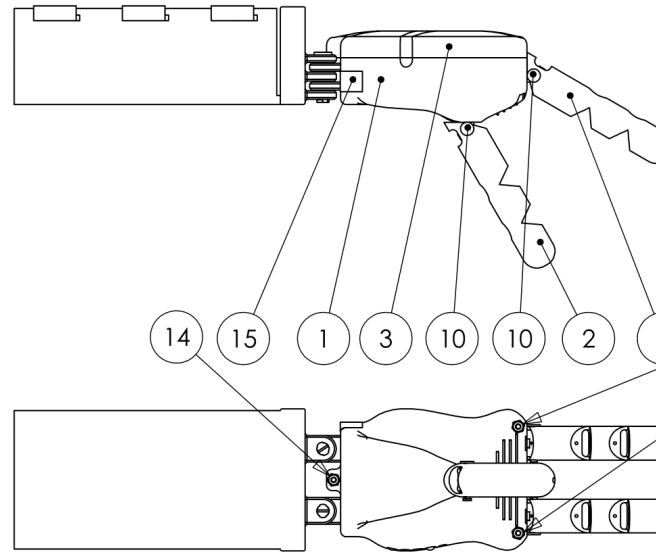
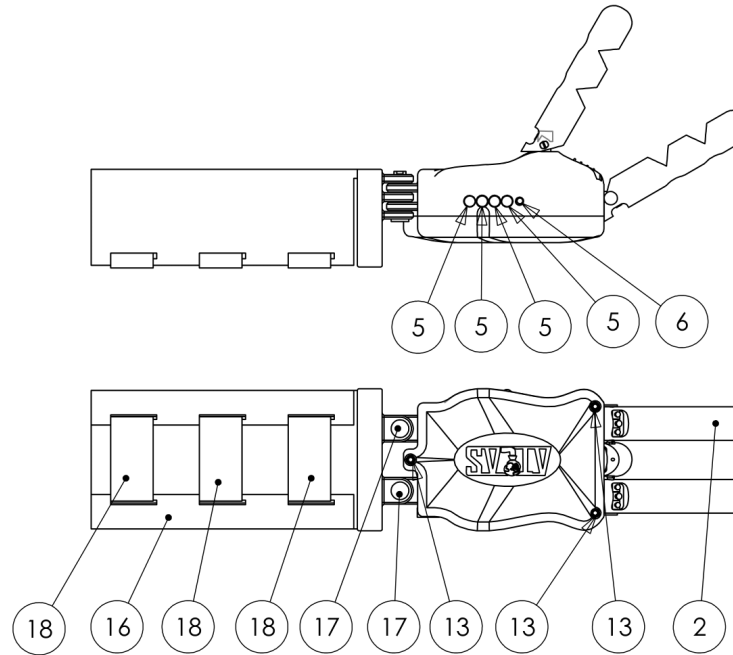
FINGER ASSEMBLY SCALE 1:1



SECTION A-A SCALE 1:1

ITEM NO.	PART NUMBER	QTY.
1	OUTER FINGER	1
2	PHALANGE 1	1
3	PHALANGE 2	1
4	PHALANGE 3	1

ITEM NO.	PART	QTY.
1	MAIN HAND	1
2	FINGER ASSEMBLY	3
3	HAND COVER	1
4	RS PRO 3.7V, LITHIUM POLYMER BATTERY 2AH	1
5	LED	4
6	BUTTON SWITCH	1
7	FEATHERWING LATCHING MINI RELAY BOARD	1
8	ADAFRUIT FEATHER CORTEX-M0 PROTO BOARD	1
9	PQ12 MOTOR	3
10	KNUCKLE PIN	3
11	MID PLATE	1
12	DC/DC BOOST CONVERTER	1
13	M3 X 16MM SOCKETHEAD BOLT	3
14	M3 NUT	3
15	CHARGING PORT COVER	1
16	SOCKET SECTION	1
17	WRIST PIN	2
18	FABRIC SECURING STRAPS	3



HAND WITHOUT LID TO SHOW
THE LOCATION OF
ELECTRONICS

TOLERANCES		THIRD ANGLE PROJECTION	
X	± 0.5	ANGULAR	± 1°
X.X	± 0.1	SURFACE FINISH	
X.XX	± 0.02	MACHINED FACES	Ra 6.3
NAME		DATE	
DRAWN		10/03/20	
CHECKED		11/03/20	
APPROVED		12/03/20	

MATERIAL:	
ALL DIMENSIONS ARE IN MILLIMETRES	
DO NOT SCALE DRAWING	
A3	SCALE 1:3

TITLE:	
ATLAS ARM	
DWG No. GRP19 - ATLAS ARM - 01	

Imperial College London Department of Mechanical Engineering	
SHEET 1 OF 1	REVISION 1