



1	1	Printed Circuit Board		33946-2015.02	00	FR-4 and Copper
2	1	PCB Mount	ISO 21305-1:2019	33946-2015.02	00	General Purpose Polycarbonate
3	1	Battery Cradle	ISO 2580-1 ABS	33946-2015.02	00	Heat resistant ABS
4	1	Panel Frame	ISO: Al-Mg2,5	33946-2015.02	00	5052 Aluminium
5	1	Load Cell Compartment	ISO 7214 1998	33946-2015.02	00	Medium Density EVA Foam
6	1	Aluminium Box Foam	ISO 7214 1998	33946-2015.02	00	Medium Density EVA Foam
7	1	Electronics Basin	ISO: Al-Mg2,5	33946-2015.02	00	5052 Aluminium
8	1	Aluminium Frame	ISO: Al-Mg2,5	33946-2015.02	00	5052 Aluminium
9	1	Panel	ISO: Al-Mg2,5	33946-2015.02	00	5052 Aluminium
10	1	Cable Tray	ISO: Al-Mg2,5	33946-2015.02	00	5052 Aluminium
11	1	Top Foam	ISO 7214 1998	33946-2015.02	00	Medium Density EVA Foam
12	1	Pelican Case	-	33946-2015.02	00	Polypropylene
13	1	M12 Load Cell Cable	-	33946-2015.02	00	-
14	1	TouchScreen/SPI Touch Control	-	33946-2015.02	00	-
15	2	Push Buttons	-	33946-2015.02	00	-
16	1	M12 5-pin	-	33946-2015.02	00	-
17	1	USB A	-	33946-2015.02	00	-
18	1	USB C	-	33946-2015.02	00	-
19	1	Bi-colour LED Light Pipe	-	33946-2015.02	00	-
20	1	Battery	-	33946-2015.02	00	-
21	1	150 gf Load Cell	-	33946-2015.02	00	-
22	1	2 kgf Load Cell	-	33946-2015.02	00	-
23	1	20 kgf Load Cell	-	33946-2015.02	00	-
24	1	45 kgf Load Cell	-	33946-2015.02	00	-
25	1	250 kgf Load Cell	-	33946-2015.02	00	-
26	1	3000 kgf Load Cell	-	33946-2015.02	00	-
27	12	M4 x 0.7 x 12 Button Head Screws	ISO 7380	33946-2015.02	00	stainless steel A2
28	4	M3 x 0.5 x 10 Button Head Screws	ISO 7380	33946-2015.02	00	stainless steel A2
29	12	M3 x 0.5 x 8 Button Head Screws	ISO 7380	33946-2015.02	00	stainless steel A2
30	2	M3 x 0.5 x 6 Button Head Screws	ISO 7380	33946-2015.02	00	stainless steel A2
31	4	M2 x 0.4 x 16 Slotted Pan Head Screws	ISO 1580	33946-2015.02	00	stainless steel A2
32	4	ST2.9 x 9.5 Tapping Screws	ISO 14585	33946-2015.02	00	stainless steel A2
33	12	M4 x 0.7 x 9.2 Rivet Nuts	DIN 7337	33946-2015.02	00	stainless steel A2
34	16	M3 x 0.5 Hex Nuts	ISO 4032	33946-2015.02	00	stainless steel A2
35	4	M2 x 0.4 Hex Nuts	ISO 4035	33946-2015.02	00	stainless steel A2
36	12	M4 Washers	ISO 7092	33946-2015.02	00	stainless steel A2
37	18	M3 Washers	ISO 7092	33946-2015.02	00	stainless steel A2
38	1	O-ring	ISO 3601	33946-2015.02	00	Silicone Rubber
39	1	Seal for Screen Bezel	ISO 29864	33946-2015.02	00	PVC Foam Tape
40	1	Aluminium Frame Gasket	ISO 29864	33946-2015.02	00	PVC Foam Tape
41	1	USB C Gasket	ISO 29864	33946-2015.02	00	Built into bought product
42	1	M12 Gasket	ISO 29864	33946-2015.02	00	PVC Foam Tape
43	1	Velcro Roll	-	33946-2015.02	00	Velcro
item	qty.	description	specification	drawing no.	rev.	material

faculty or department Technology & Bionics		technical reference		drawn by (last saved by) BeanieBabyJ		drawing date 2/28/2020		released by			
 <p>HOCHSCHULE RHEIN-WAAL Rhine-Waal University of Applied Sciences</p>				title, additional title VERIFICATIONATOR Mechanical BOM				projection method 		scale	
				drawing no. prefix 33946-ME.5.2015.02				type of document bill of material			
This drawing is the exclusive property of Rhine-Waal University. It is not to be transferred, communicated, disclosed or copied, unless specifically authorized by Rhine-Waal University.				drawing no. 250930-01		rev. 00		date of issue 1/11/2026		sheet 1 / 1	