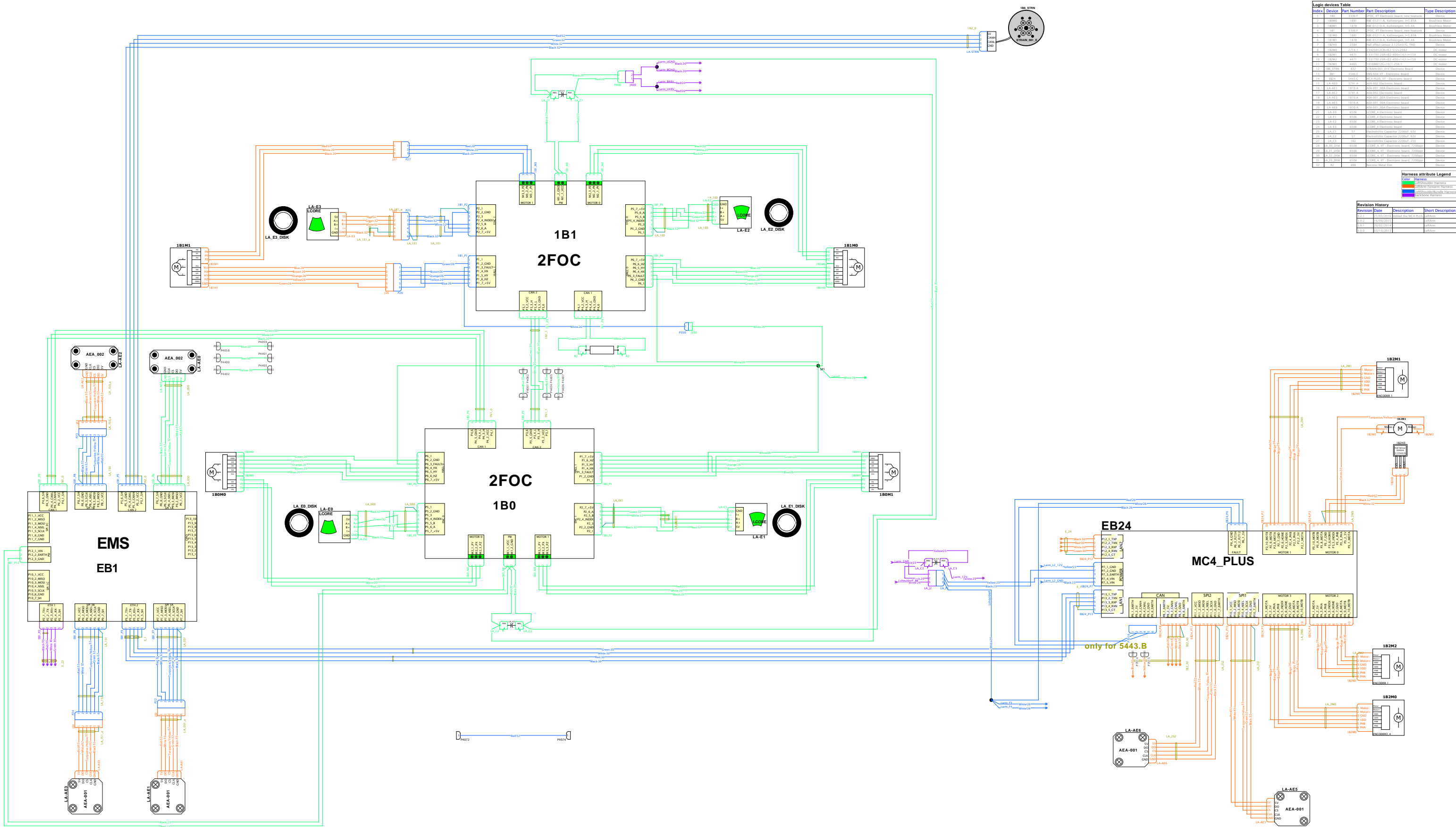


Logic devices Table				
Index	Device	Part Number	Part Description	Type Description
1	2B1	11330-F	20C 07 Electronic board mini hardware	Device
2	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
3	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
4	2B1	11330-F	20C 07 11 A. Kollmann, 10 A. K.	Device
5	2B1	11330-F	20C 07 11 A. Kollmann, 10 A. K.	Device
6	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
7	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
8	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
9	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
10	2B1	11330-F	20C 07 11 A. Kollmann, 10 A. K.	Device
11	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
12	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
13	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
14	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
15	2B1	11330-F	20C 07 11 A. Kollmann, 10 A. K.	Device
16	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
17	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
18	2B1	11330-F	20C 07 11 A. Kollmann, 10 A. K.	Device
19	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
20	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
21	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
22	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
23	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
24	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
25	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
26	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
27	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
28	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
29	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
30	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
31	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
32	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
33	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
34	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
35	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
36	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
37	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
38	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
39	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
40	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
41	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
42	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
43	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
44	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
45	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
46	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
47	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
48	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
49	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
50	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
51	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
52	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
53	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
54	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
55	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
56	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
57	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
58	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
59	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
60	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
61	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
62	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
63	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
64	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
65	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
66	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
67	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
68	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
69	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
70	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
71	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
72	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
73	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
74	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
75	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
76	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
77	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
78	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
79	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
80	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
81	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
82	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
83	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
84	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
85	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
86	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
87	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
88	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
89	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
90	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
91	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
92	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
93	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
94	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
95	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
96	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
97	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
98	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
99	2B1M1	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor
100	2B1M0	1830	20C 07 11 A. Kollmann, 10 A. K.	Brushless Motor

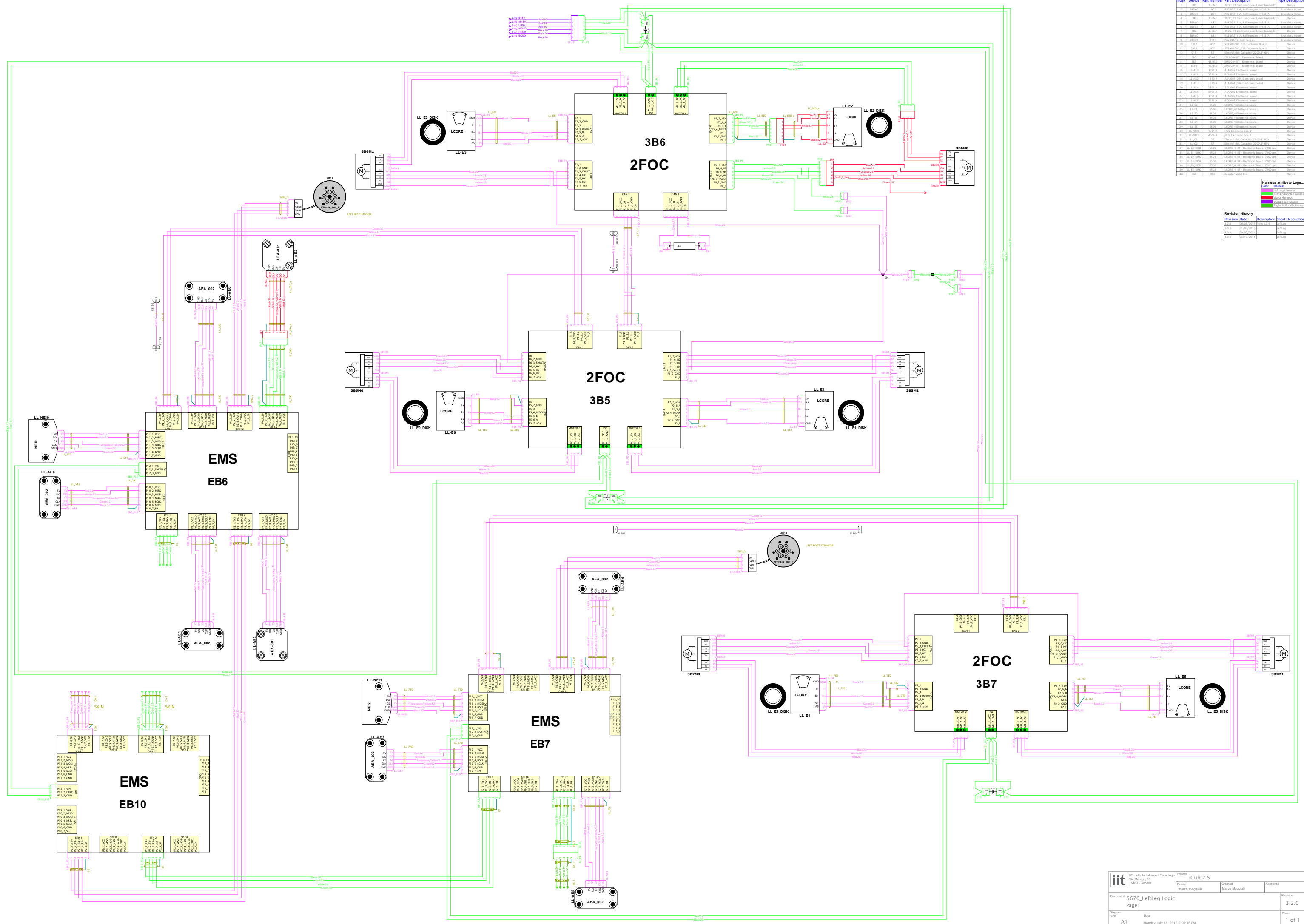
Harness attribute Legend	
Color	Harness
Red	Power
Green	Signal
Blue	Ground
Yellow	Temperature
Purple	Strain Gauge

Revision History			
Revision	Date	Description	Short Description
1.0	2017-01-01	Initial version	Initial
1.1	2017-01-01	First revision	First
1.2	2017-01-01	Second revision	Second
1.3	2017-01-01	Third revision	Third
1.4	2017-01-01	Fourth revision	Fourth
1.5	2017-01-01	Fifth revision	Fifth
1.6	2017-01-01	Sixth revision	Sixth
1.7	2017-01-01	Seventh revision	Seventh
1.8	2017-01-01	Eighth revision	Eighth
1.9	2017-01-01	Ninth revision	Ninth
2.0	2017-01-01	Tenth revision	Tenth

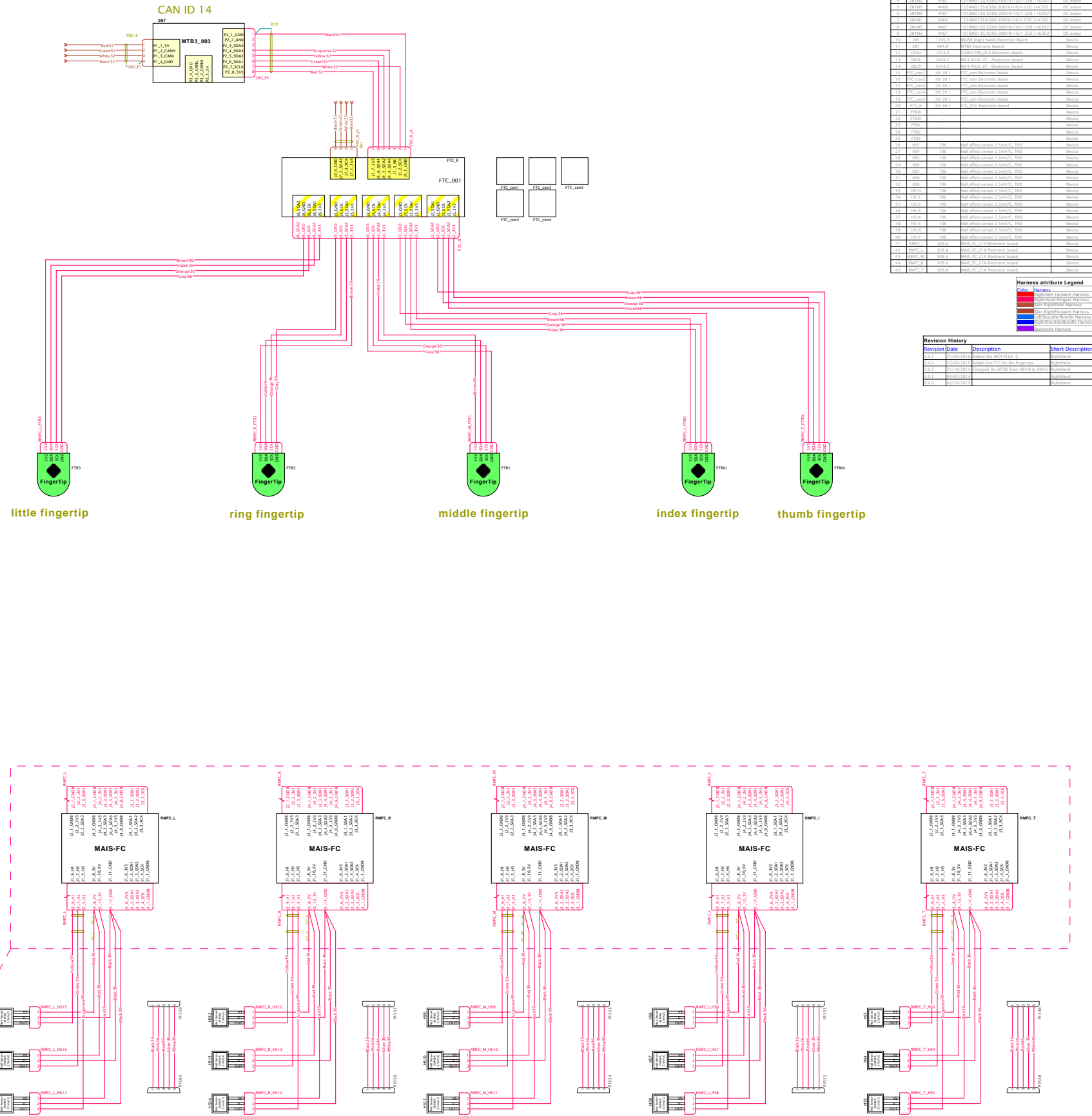
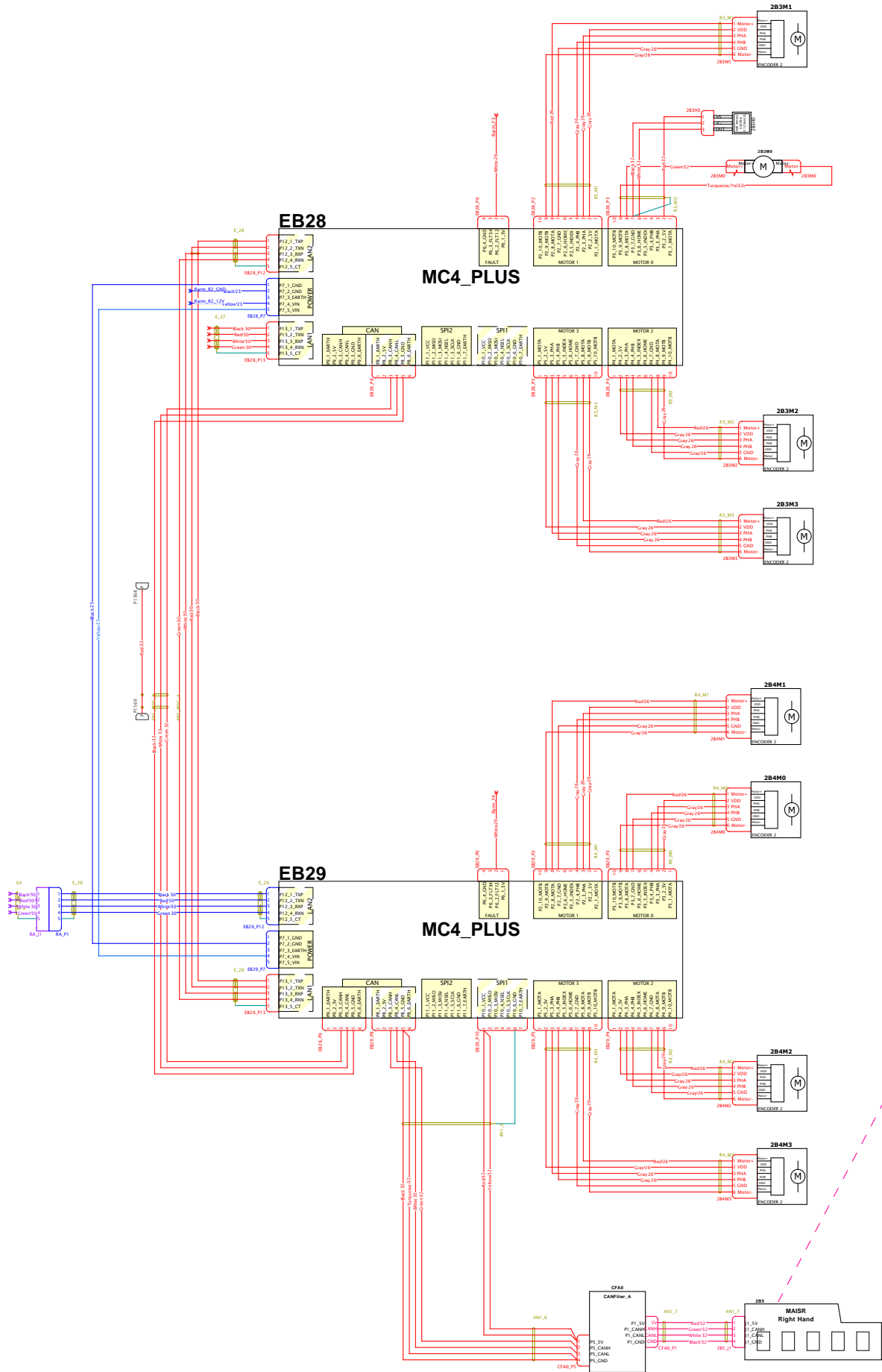


Logic devices Table				
Index	Device	Part Number	Part Description	Type Description
1	1B1	1B10.F	1B10.F 10k BTM	Device
2	1B10	1B10.F	1B10.F 10k BTM	Device
3	1B10	1B10.F	1B10.F 10k BTM	Device
4	1B10	1B10.F	1B10.F 10k BTM	Device
5	1B10	1B10.F	1B10.F 10k BTM	Device
6	1B10	1B10.F	1B10.F 10k BTM	Device
7	1B10	1B10.F	1B10.F 10k BTM	Device
8	1B10	1B10.F	1B10.F 10k BTM	Device
9	1B10	1B10.F	1B10.F 10k BTM	Device
10	1B10	1B10.F	1B10.F 10k BTM	Device
11	1B10	1B10.F	1B10.F 10k BTM	Device
12	1B10	1B10.F	1B10.F 10k BTM	Device
13	1B10	1B10.F	1B10.F 10k BTM	Device
14	1B10	1B10.F	1B10.F 10k BTM	Device
15	1B10	1B10.F	1B10.F 10k BTM	Device
16	1B10	1B10.F	1B10.F 10k BTM	Device
17	1B10	1B10.F	1B10.F 10k BTM	Device
18	1B10	1B10.F	1B10.F 10k BTM	Device
19	1B10	1B10.F	1B10.F 10k BTM	Device
20	1B10	1B10.F	1B10.F 10k BTM	Device
21	1B10	1B10.F	1B10.F 10k BTM	Device
22	1B10	1B10.F	1B10.F 10k BTM	Device
23	1B10	1B10.F	1B10.F 10k BTM	Device
24	1B10	1B10.F	1B10.F 10k BTM	Device
25	1B10	1B10.F	1B10.F 10k BTM	Device
26	1B10	1B10.F	1B10.F 10k BTM	Device
27	1B10	1B10.F	1B10.F 10k BTM	Device
28	1B10	1B10.F	1B10.F 10k BTM	Device
29	1B10	1B10.F	1B10.F 10k BTM	Device
30	1B10	1B10.F	1B10.F 10k BTM	Device
31	1B10	1B10.F	1B10.F 10k BTM	Device
32	1B10	1B10.F	1B10.F 10k BTM	Device
33	1B10	1B10.F	1B10.F 10k BTM	Device
34	1B10	1B10.F	1B10.F 10k BTM	Device
35	1B10	1B10.F	1B10.F 10k BTM	Device
36	1B10	1B10.F	1B10.F 10k BTM	Device
37	1B10	1B10.F	1B10.F 10k BTM	Device
38	1B10	1B10.F	1B10.F 10k BTM	Device
39	1B10	1B10.F	1B10.F 10k BTM	Device
40	1B10	1B10.F	1B10.F 10k BTM	Device
41	1B10	1B10.F	1B10.F 10k BTM	Device
42	1B10	1B10.F	1B10.F 10k BTM	Device
43	1B10	1B10.F	1B10.F 10k BTM	Device
44	1B10	1B10.F	1B10.F 10k BTM	Device
45	1B10	1B10.F	1B10.F 10k BTM	Device
46	1B10	1B10.F	1B10.F 10k BTM	Device
47	1B10	1B10.F	1B10.F 10k BTM	Device
48	1B10	1B10.F	1B10.F 10k BTM	Device
49	1B10	1B10.F	1B10.F 10k BTM	Device
50	1B10	1B10.F	1B10.F 10k BTM	Device
51	1B10	1B10.F	1B10.F 10k BTM	Device
52	1B10	1B10.F	1B10.F 10k BTM	Device
53	1B10	1B10.F	1B10.F 10k BTM	Device
54	1B10	1B10.F	1B10.F 10k BTM	Device
55	1B10	1B10.F	1B10.F 10k BTM	Device
56	1B10	1B10.F	1B10.F 10k BTM	Device
57	1B10	1B10.F	1B10.F 10k BTM	Device
58	1B10	1B10.F	1B10.F 10k BTM	Device
59	1B10	1B10.F	1B10.F 10k BTM	Device
60	1B10	1B10.F	1B10.F 10k BTM	Device
61	1B10	1B10.F	1B10.F 10k BTM	Device
62	1B10	1B10.F	1B10.F 10k BTM	Device
63	1B10	1B10.F	1B10.F 10k BTM	Device
64	1B10	1B10.F	1B10.F 10k BTM	Device
65	1B10	1B10.F	1B10.F 10k BTM	Device
66	1B10	1B10.F	1B10.F 10k BTM	Device
67	1B10	1B10.F	1B10.F 10k BTM	Device
68	1B10	1B10.F	1B10.F 10k BTM	Device
69	1B10	1B10.F	1B10.F 10k BTM	Device
70	1B10	1B10.F	1B10.F 10k BTM	Device
71	1B10	1B10.F	1B10.F 10k BTM	Device
72	1B10	1B10.F	1B10.F 10k BTM	Device
73	1B10	1B10.F	1B10.F 10k BTM	Device
74	1B10	1B10.F	1B10.F 10k BTM	Device
75	1B10	1B10.F	1B10.F 10k BTM	Device
76	1B10	1B10.F	1B10.F 10k BTM	Device
77	1B10	1B10.F	1B10.F 10k BTM	Device
78	1B10	1B10.F	1B10.F 10k BTM	Device
79	1B10	1B10.F	1B10.F 10k BTM	Device
80	1B10	1B10.F	1B10.F 10k BTM	Device
81	1B10	1B10.F	1B10.F 10k BTM	Device
82	1B10	1B10.F	1B10.F 10k BTM	Device
83	1B10	1B10.F	1B10.F 10k BTM	Device
84	1B10	1B10.F	1B10.F 10k BTM	Device
85	1B10	1B10.F	1B10.F 10k BTM	Device
86	1B10	1B10.F	1B10.F 10k BTM	Device
87	1B10	1B10.F	1B10.F 10k BTM	Device
88	1B10	1B10.F	1B10.F 10k BTM	Device
89	1B10	1B10.F	1B10.F 10k BTM	Device
90	1B10	1B10.F	1B10.F 10k BTM	Device
91	1B10	1B10.F	1B10.F 10k BTM	Device
92	1B10	1B10.F	1B10.F 10k BTM	Device
93	1B10	1B10.F	1B10.F 10k BTM	Device
94	1B10	1B10.F	1B10.F 10k BTM	Device
95	1B10	1B10.F	1B10.F 10k BTM	Device
96	1B10	1B10.F	1B10.F 10k BTM	Device
97	1B10	1B10.F	1B10.F 10k BTM	Device
98	1B10	1B10.F	1B10.F 10k BTM	Device
99	1B10	1B10.F	1B10.F 10k BTM	Device
100	1B10	1B10.F	1B10.F 10k BTM	Device

Revision History		
Revision	Date	Description
1.0	2017-01-01	Initial Rev 1.0
1.1	2017-01-01	Initial Rev 1.1
1.2	2017-01-01	Initial Rev 1.2
1.3	2017-01-01	Initial Rev 1.3
1.4	2017-01-01	Initial Rev 1.4
1.5	2017-01-01	Initial Rev 1.5
1.6	2017-01-01	Initial Rev 1.6
1.7	2017-01-01	Initial Rev 1.7
1.8	2017-01-01	Initial Rev 1.8
1.9	2017-01-01	Initial Rev 1.9
2.0	2017-01-01	Initial Rev 2.0

[illegible]

Harness attribute Legend	
Color	Harness
Blue	LeftLeg Harness
Green	LeftHipBundle Harness
Red	Waist Harness
Purple	Backbone Harness
Orange	RightHipBundle Harness

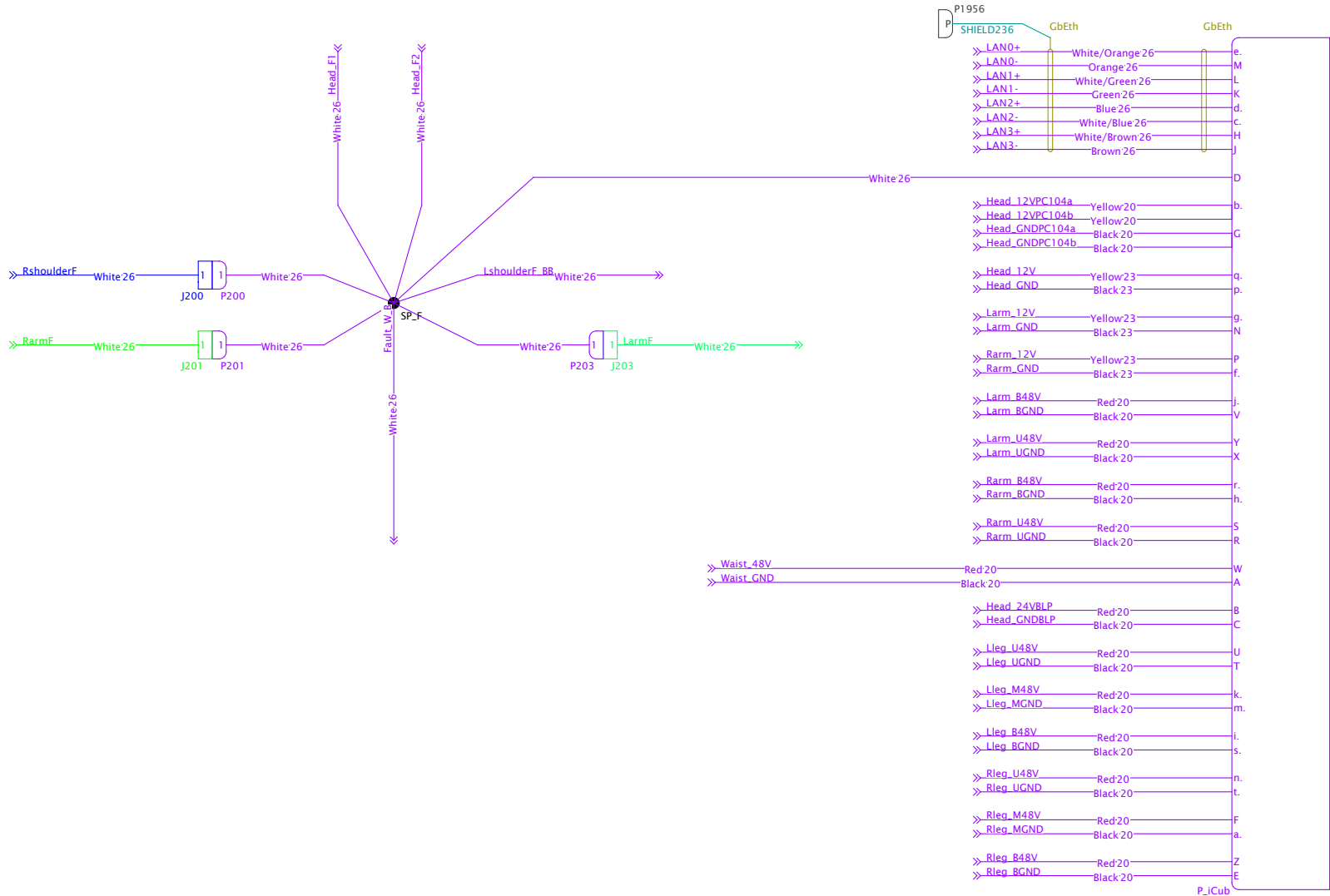


Logic devices Table				
Index	Device	Part Number	Part Description	Type Description
1	283M1	283M1	Motor effect sensor 1 120VDC 1700	Device
2	283M2	283M2	Motor effect sensor 2 120VDC 1700	Device
3	283M3	283M3	Motor effect sensor 3 120VDC 1700	Device
4	283M4	283M4	Motor effect sensor 4 120VDC 1700	Device
5	283M5	283M5	Motor effect sensor 5 120VDC 1700	Device
6	283M6	283M6	Motor effect sensor 6 120VDC 1700	Device
7	283M7	283M7	Motor effect sensor 7 120VDC 1700	Device
8	283M8	283M8	Motor effect sensor 8 120VDC 1700	Device
9	283M9	283M9	Motor effect sensor 9 120VDC 1700	Device
10	283M10	283M10	Motor effect sensor 10 120VDC 1700	Device
11	283M11	283M11	Motor effect sensor 11 120VDC 1700	Device
12	283M12	283M12	Motor effect sensor 12 120VDC 1700	Device
13	283M13	283M13	Motor effect sensor 13 120VDC 1700	Device
14	283M14	283M14	Motor effect sensor 14 120VDC 1700	Device
15	283M15	283M15	Motor effect sensor 15 120VDC 1700	Device
16	283M16	283M16	Motor effect sensor 16 120VDC 1700	Device
17	283M17	283M17	Motor effect sensor 17 120VDC 1700	Device
18	283M18	283M18	Motor effect sensor 18 120VDC 1700	Device
19	283M19	283M19	Motor effect sensor 19 120VDC 1700	Device
20	283M20	283M20	Motor effect sensor 20 120VDC 1700	Device
21	283M21	283M21	Motor effect sensor 21 120VDC 1700	Device
22	283M22	283M22	Motor effect sensor 22 120VDC 1700	Device
23	283M23	283M23	Motor effect sensor 23 120VDC 1700	Device
24	283M24	283M24	Motor effect sensor 24 120VDC 1700	Device
25	283M25	283M25	Motor effect sensor 25 120VDC 1700	Device
26	283M26	283M26	Motor effect sensor 26 120VDC 1700	Device
27	283M27	283M27	Motor effect sensor 27 120VDC 1700	Device
28	283M28	283M28	Motor effect sensor 28 120VDC 1700	Device
29	283M29	283M29	Motor effect sensor 29 120VDC 1700	Device
30	283M30	283M30	Motor effect sensor 30 120VDC 1700	Device
31	283M31	283M31	Motor effect sensor 31 120VDC 1700	Device
32	283M32	283M32	Motor effect sensor 32 120VDC 1700	Device
33	283M33	283M33	Motor effect sensor 33 120VDC 1700	Device
34	283M34	283M34	Motor effect sensor 34 120VDC 1700	Device
35	283M35	283M35	Motor effect sensor 35 120VDC 1700	Device
36	283M36	283M36	Motor effect sensor 36 120VDC 1700	Device
37	283M37	283M37	Motor effect sensor 37 120VDC 1700	Device
38	283M38	283M38	Motor effect sensor 38 120VDC 1700	Device
39	283M39	283M39	Motor effect sensor 39 120VDC 1700	Device
40	283M40	283M40	Motor effect sensor 40 120VDC 1700	Device
41	283M41	283M41	Motor effect sensor 41 120VDC 1700	Device
42	283M42	283M42	Motor effect sensor 42 120VDC 1700	Device
43	283M43	283M43	Motor effect sensor 43 120VDC 1700	Device
44	283M44	283M44	Motor effect sensor 44 120VDC 1700	Device
45	283M45	283M45	Motor effect sensor 45 120VDC 1700	Device
46	283M46	283M46	Motor effect sensor 46 120VDC 1700	Device
47	283M47	283M47	Motor effect sensor 47 120VDC 1700	Device
48	283M48	283M48	Motor effect sensor 48 120VDC 1700	Device
49	283M49	283M49	Motor effect sensor 49 120VDC 1700	Device
50	283M50	283M50	Motor effect sensor 50 120VDC 1700	Device
51	283M51	283M51	Motor effect sensor 51 120VDC 1700	Device
52	283M52	283M52	Motor effect sensor 52 120VDC 1700	Device
53	283M53	283M53	Motor effect sensor 53 120VDC 1700	Device
54	283M54	283M54	Motor effect sensor 54 120VDC 1700	Device
55	283M55	283M55	Motor effect sensor 55 120VDC 1700	Device
56	283M56	283M56	Motor effect sensor 56 120VDC 1700	Device
57	283M57	283M57	Motor effect sensor 57 120VDC 1700	Device
58	283M58	283M58	Motor effect sensor 58 120VDC 1700	Device
59	283M59	283M59	Motor effect sensor 59 120VDC 1700	Device
60	283M60	283M60	Motor effect sensor 60 120VDC 1700	Device
61	283M61	283M61	Motor effect sensor 61 120VDC 1700	Device
62	283M62	283M62	Motor effect sensor 62 120VDC 1700	Device
63	283M63	283M63	Motor effect sensor 63 120VDC 1700	Device
64	283M64	283M64	Motor effect sensor 64 120VDC 1700	Device
65	283M65	283M65	Motor effect sensor 65 120VDC 1700	Device
66	283M66	283M66	Motor effect sensor 66 120VDC 1700	Device
67	283M67	283M67	Motor effect sensor 67 120VDC 1700	Device
68	283M68	283M68	Motor effect sensor 68 120VDC 1700	Device
69	283M69	283M69	Motor effect sensor 69 120VDC 1700	Device
70	283M70	283M70	Motor effect sensor 70 120VDC 1700	Device
71	283M71	283M71	Motor effect sensor 71 120VDC 1700	Device
72	283M72	283M72	Motor effect sensor 72 120VDC 1700	Device
73	283M73	283M73	Motor effect sensor 73 120VDC 1700	Device
74	283M74	283M74	Motor effect sensor 74 120VDC 1700	Device
75	283M75	283M75	Motor effect sensor 75 120VDC 1700	Device
76	283M76	283M76	Motor effect sensor 76 120VDC 1700	Device
77	283M77	283M77	Motor effect sensor 77 120VDC 1700	Device
78	283M78	283M78	Motor effect sensor 78 120VDC 1700	Device
79	283M79	283M79	Motor effect sensor 79 120VDC 1700	Device
80	283M80	283M80	Motor effect sensor 80 120VDC 1700	Device
81	283M81	283M81	Motor effect sensor 81 120VDC 1700	Device
82	283M82	283M82	Motor effect sensor 82 120VDC 1700	Device
83	283M83	283M83	Motor effect sensor 83 120VDC 1700	Device
84	283M84	283M84	Motor effect sensor 84 120VDC 1700	Device
85	283M85	283M85	Motor effect sensor 85 120VDC 1700	Device
86	283M86	283M86	Motor effect sensor 86 120VDC 1700	Device
87	283M87	283M87	Motor effect sensor 87 120VDC 1700	Device
88	283M88	283M88	Motor effect sensor 88 120VDC 1700	Device
89	283M89	283M89	Motor effect sensor 89 120VDC 1700	Device
90	283M90	283M90	Motor effect sensor 90 120VDC 1700	Device
91	283M91	283M91	Motor effect sensor 91 120VDC 1700	Device
92	283M92	283M92	Motor effect sensor 92 120VDC 1700	Device
93	283M93	283M93	Motor effect sensor 93 120VDC 1700	Device
94	283M94	283M94	Motor effect sensor 94 120VDC 1700	Device
95	283M95	283M95	Motor effect sensor 95 120VDC 1700	Device
96	283M96	283M96	Motor effect sensor 96 120VDC 1700	Device
97	283M97	283M97	Motor effect sensor 97 120VDC 1700	Device
98	283M98	283M98	Motor effect sensor 98 120VDC 1700	Device
99	283M99	283M99	Motor effect sensor 99 120VDC 1700	Device
100	283M100	283M100	Motor effect sensor 100 120VDC 1700	Device

Revision History		
Revision	Date	Description
1.0	2016-11-22	Initial release
1.1	2016-11-22	Added the MTR3_003
1.2	2016-11-22	Added the MTR3_003
1.3	2016-11-22	Added the MTR3_003
1.4	2016-11-22	Added the MTR3_003
1.5	2016-11-22	Added the MTR3_003
1.6	2016-11-22	Added the MTR3_003
1.7	2016-11-22	Added the MTR3_003
1.8	2016-11-22	Added the MTR3_003
1.9	2016-11-22	Added the MTR3_003
1.10	2016-11-22	Added the MTR3_003

Harness attribute Legend	
Color	Harness
 	Backbone Harness
 	RightShoulder Harness
 	LeftShoulder Harness
 	RightShoulderBundle Harness

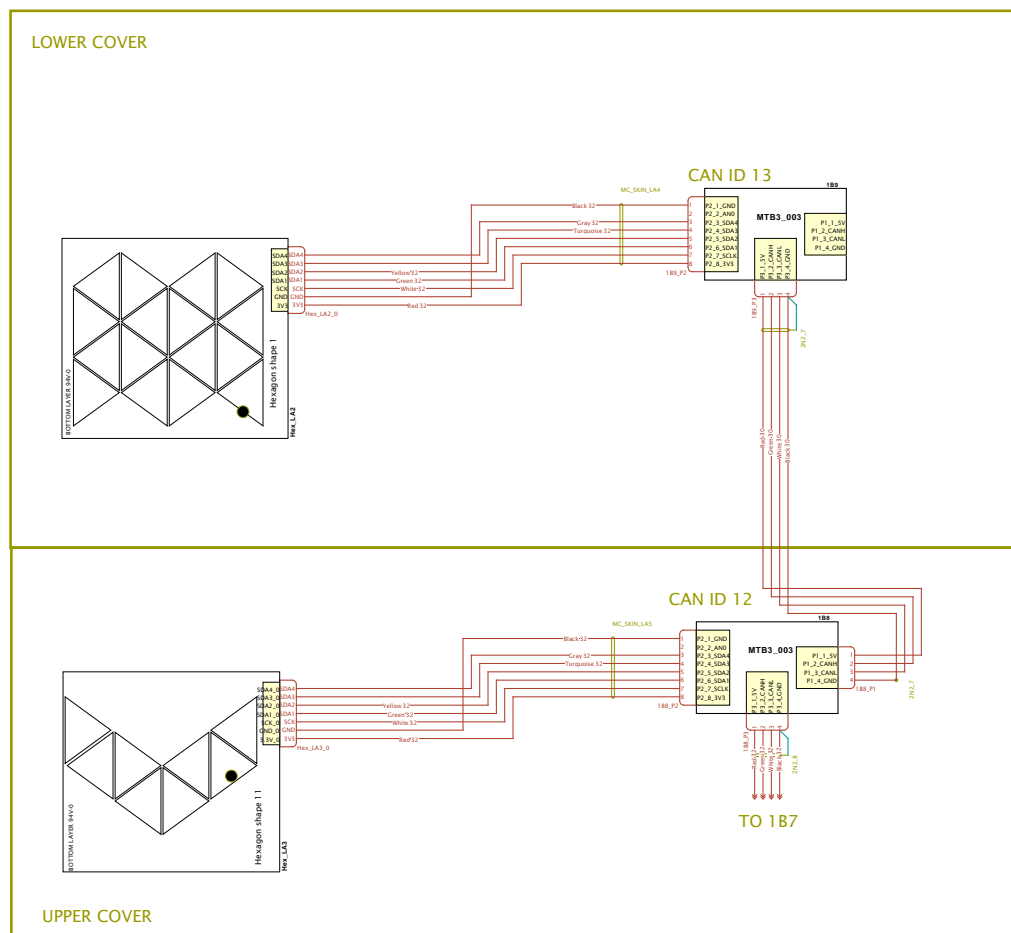
Revision History			
Revision	Date	Description	Short Description
3.2.1	21/10/2016	-	Backbone w/o battery pack
3.0.1	13/03/2014	-	Backbone
3.0.0	03/10/2013	-	Backbone



Index	Device	Part Number	Part Description	Type Description
1	188	984.C	MT83 El. Board for tactile sensor ACC	Device
2	189	984.C	MT83 El. Board for tactile sensor ACC	Device
3	Hex. LA2	4614.A	Hexagon Shape 11 iCubSkin	Device
4	Hex. LA3	5085.A	Hexagon Shape 11 iCubSkin	Device

Harness attribute Legend	
Color	Harness
	Skin LeftForearm Harness

Revision History			
Revision	Date	Description	Short Description
1.0.0	05/05/2014		Left Forearm

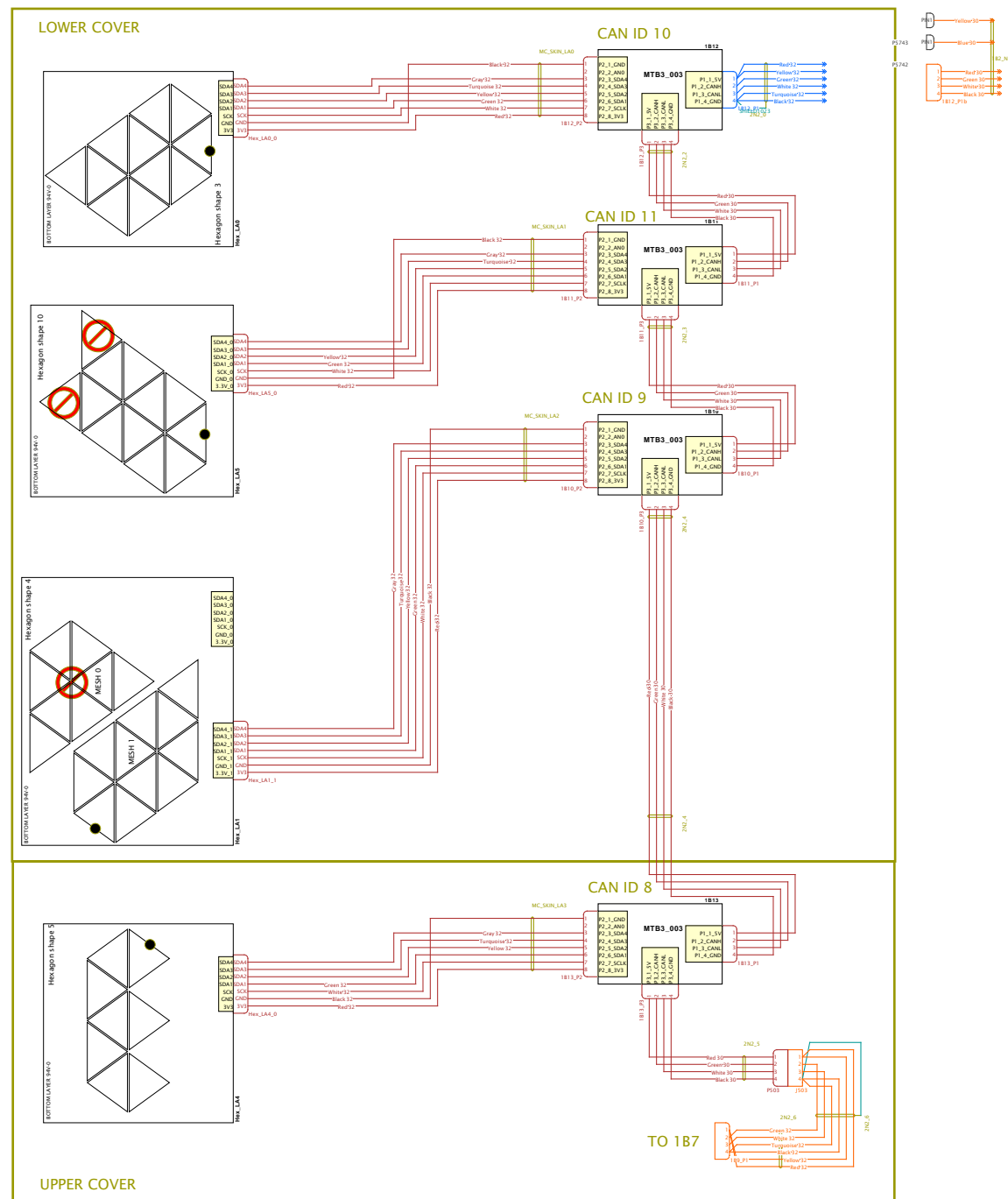


⚠ The black dot is the place where to solder the wires in the mesh

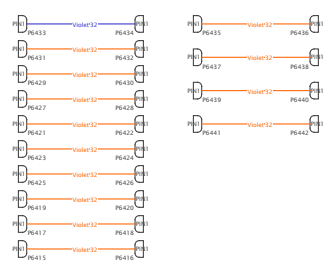
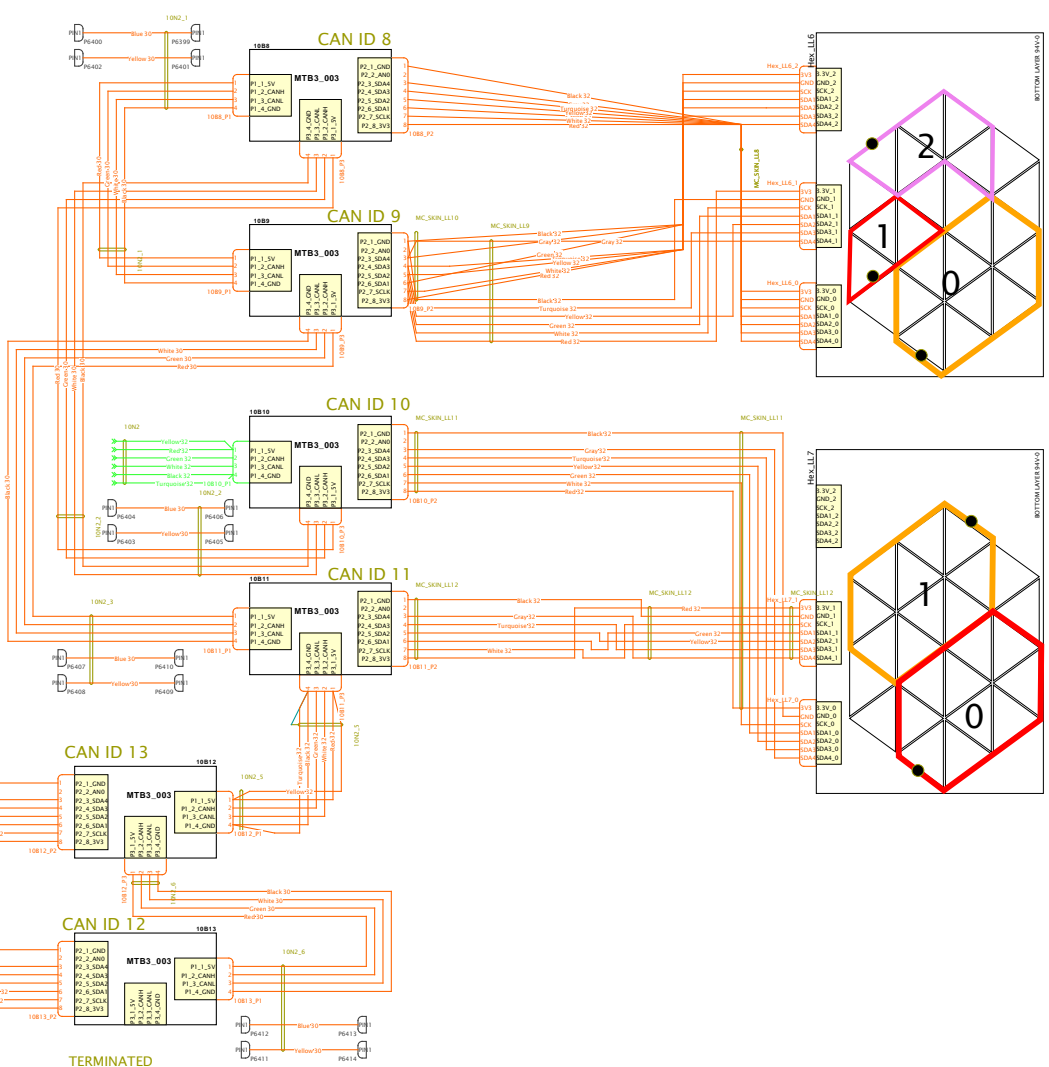
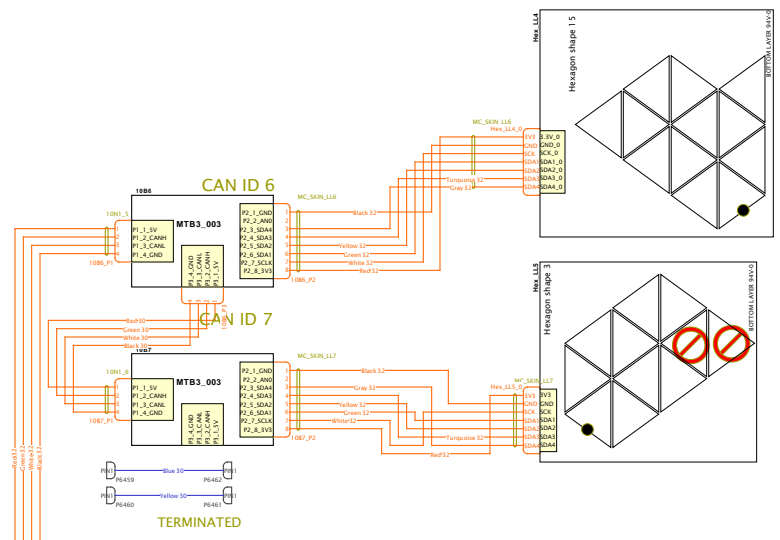
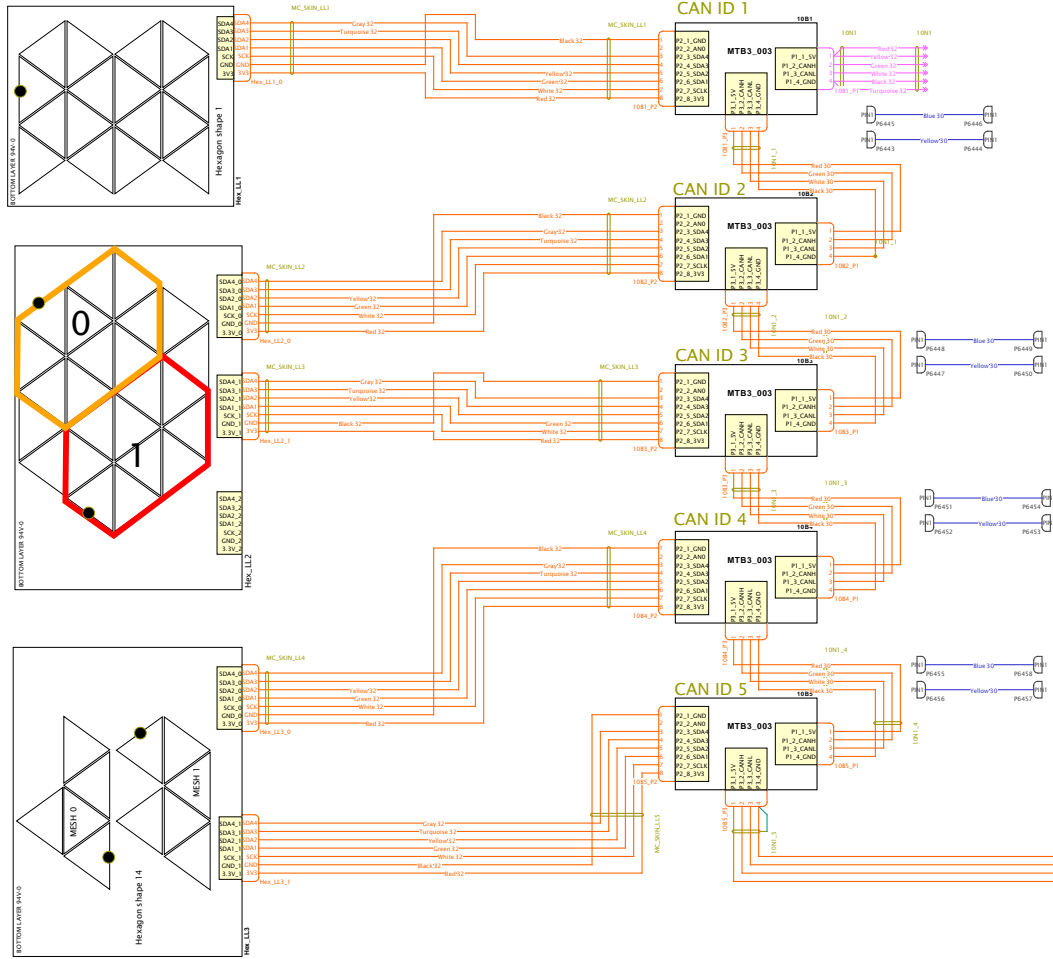
Index	Device	Part Number	Part Description	Type Description
1	1801	584.C	MT801 EL Board for tactile sensor A.C.	Device
2	1802	584.C	MT802 EL Board for tactile sensor A.C.	Device
3	1803	584.C	MT803 EL Board for tactile sensor A.C.	Device
4	1804	584.C	MT804 EL Board for tactile sensor A.C.	Device
5	Hex-LAO	461.B.A	Hexagon Shape 3 - Cylindric	Device
6	Hex-LAO	461.7.A	Hexagon Shape 4 - Cylindric	Device
7	Hex-LAO	461.B.A	Hexagon Shape 5 - Cylindric	Device
8	Hex-LAO	471.7.A	Hexagon Shape 10 - Cylindric	Device

Harness attribute Legend	
Color	Harness
Red	Skin LeftUpperarm Harness
Blue	LeftShoulderBundle Harness
Orange	LeftArm Forearm Harness

Revision	Date	Description	Short Description
1.0.0	17/08/2015	-	LeftUpperArm



△ The black dot is the place where to solder the wires in the mesh



△ The black dot is the place where to solder the wires in the mesh

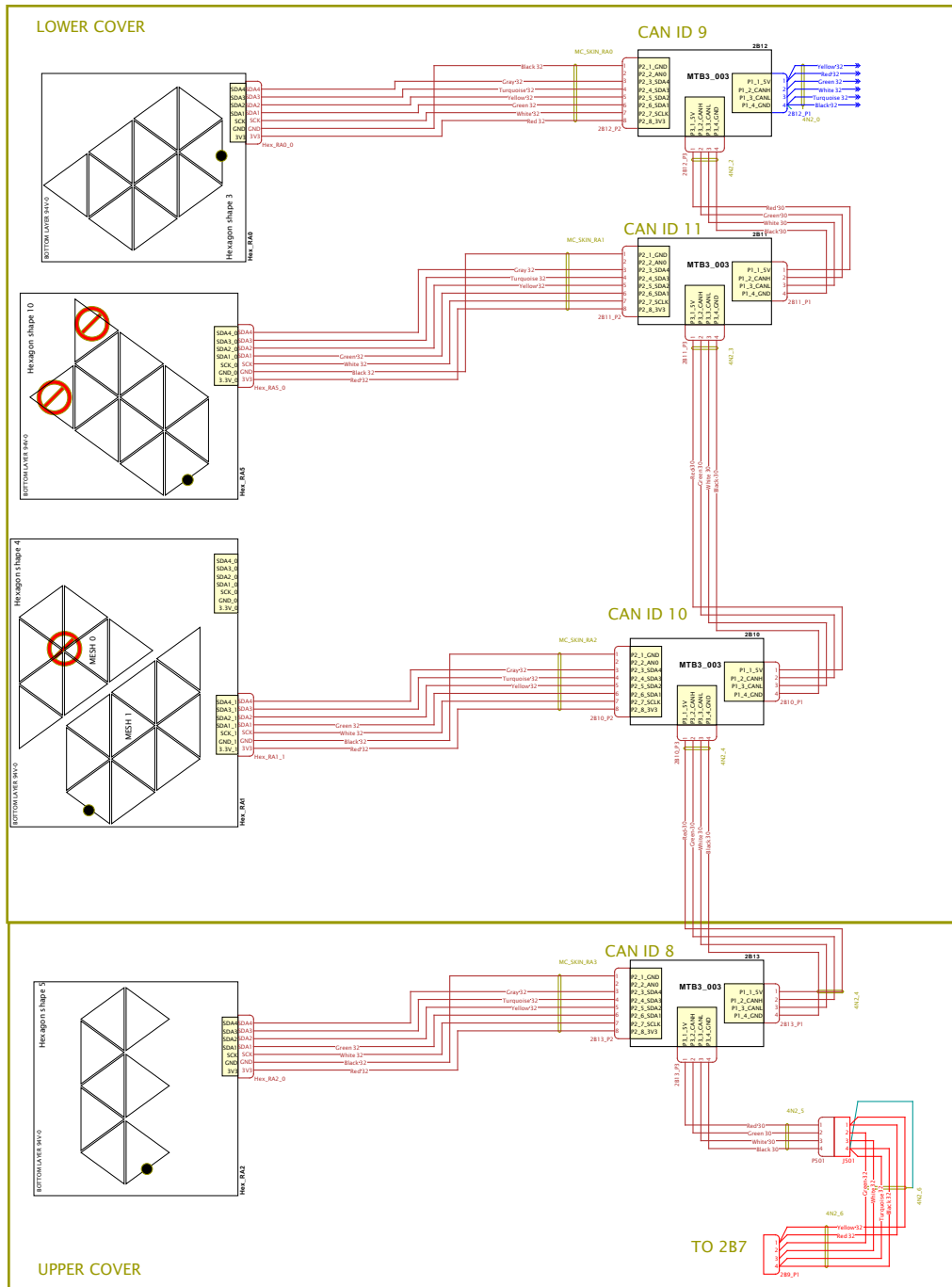
Logic Devices Table			
Index	Device	Part Number	Part Description
1	MTB3_003	MTB3_003	MTB3_003
2	MTB3_003	MTB3_003	MTB3_003
3	MTB3_003	MTB3_003	MTB3_003
4	MTB3_003	MTB3_003	MTB3_003
5	MTB3_003	MTB3_003	MTB3_003
6	MTB3_003	MTB3_003	MTB3_003
7	MTB3_003	MTB3_003	MTB3_003
8	MTB3_003	MTB3_003	MTB3_003
9	MTB3_003	MTB3_003	MTB3_003
10	MTB3_003	MTB3_003	MTB3_003
11	MTB3_003	MTB3_003	MTB3_003
12	MTB3_003	MTB3_003	MTB3_003
13	MTB3_003	MTB3_003	MTB3_003
14	MTB3_003	MTB3_003	MTB3_003
15	MTB3_003	MTB3_003	MTB3_003
16	MTB3_003	MTB3_003	MTB3_003
17	MTB3_003	MTB3_003	MTB3_003
18	MTB3_003	MTB3_003	MTB3_003
19	MTB3_003	MTB3_003	MTB3_003
20	MTB3_003	MTB3_003	MTB3_003

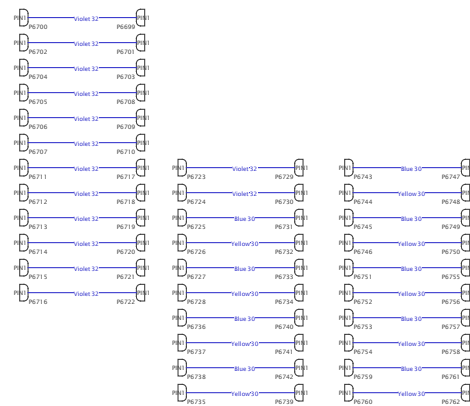
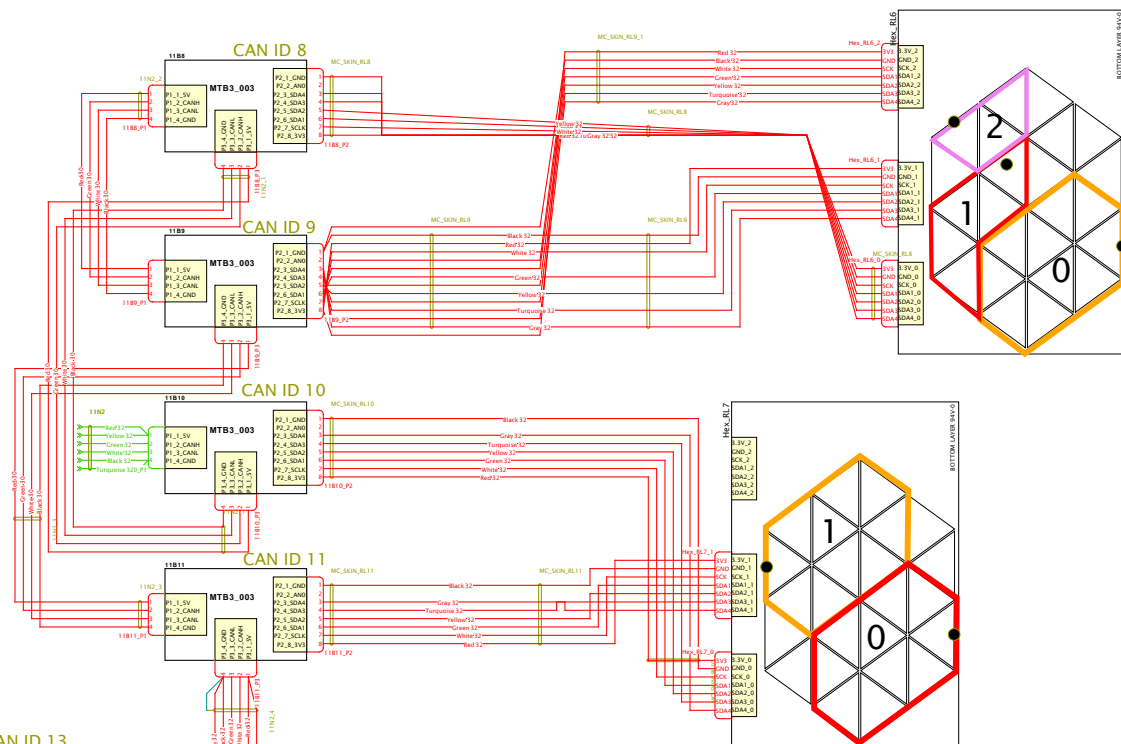
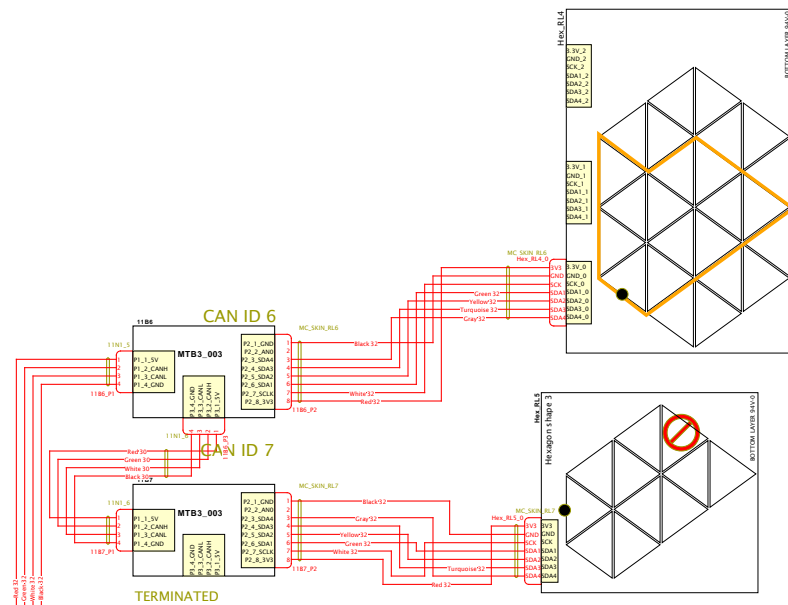
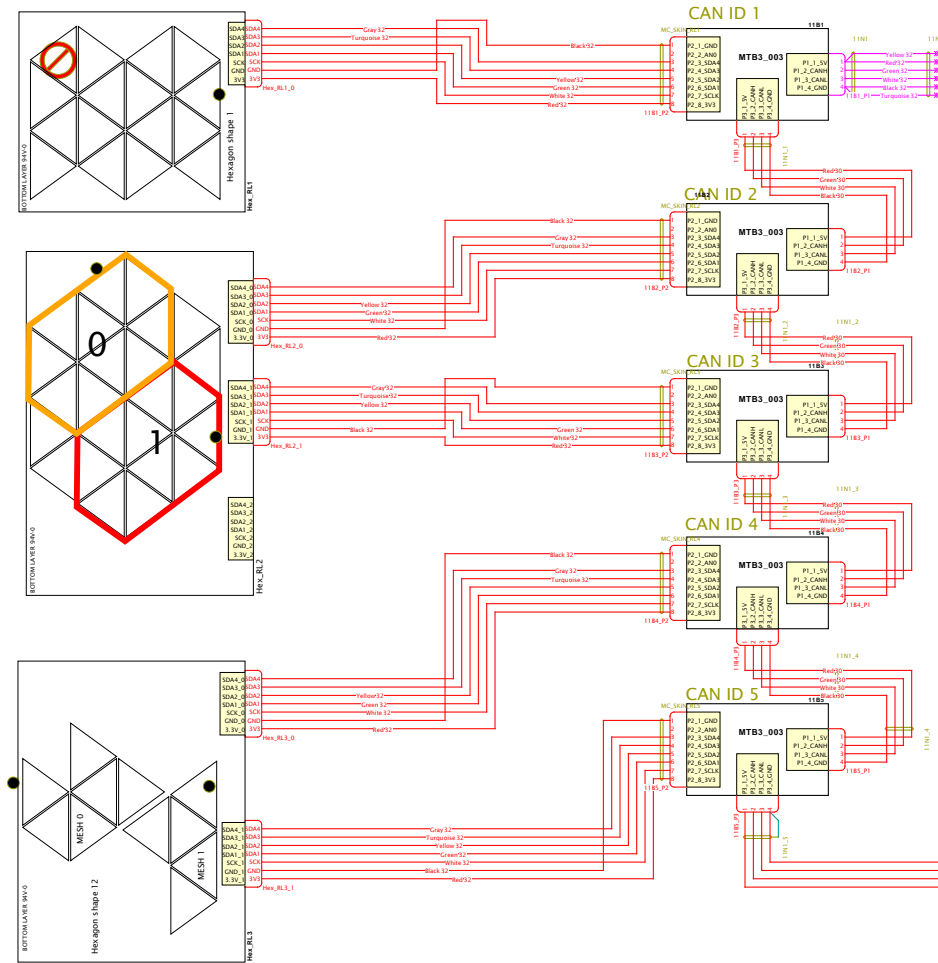
Revision History			
Revision	Date	Description	Short Description
1.0	2016-10-15	Initial release	Initial release
2.0	2016-10-15	Initial release	Initial release

Index	Device	Part Number	Part Description	Type Description
2	2B18	88A.C	MT88 ES Board for tacite sensor AGL	Device
2	2B11	88A.C	MT88 ES Board for tacite sensor AGL	Device
3	2B12	88A.C	MT88 ES Board for tacite sensor AGL	Device
4	2B13	88A.C	MT88 ES Board for tacite sensor AGL	Device
5	Hex-RAS	661 B.A	Navigation Shape 5 - iCubillon	Device
6	Hex-RA1	601 Z.A	Navigation Shape 4 - iCubillon	Device
7	Hex-RA2	601 B.A	Navigation Shape 3 - iCubillon	Device
8	Hex-RA5	671 Z.A	Navigation Shape 1B - iCubillon	Device

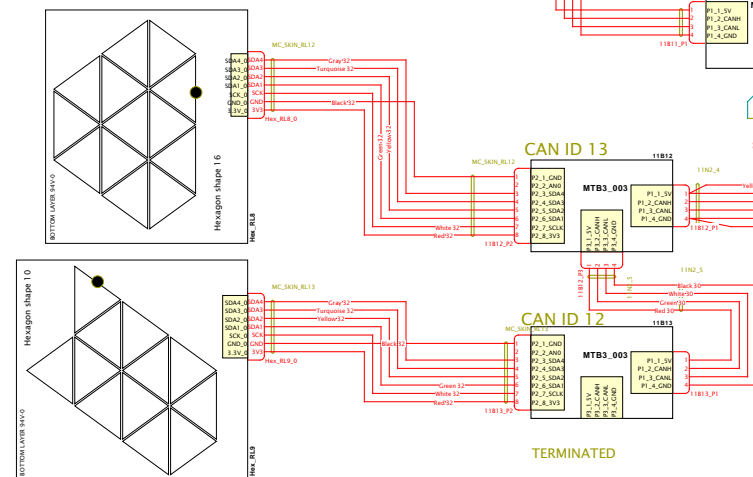
Harness attribute Legend	
Color	Harness
	RightArm Forearm Harness
	Gain RightUpperarm Harness
	RightShoulderBundle Harness

Revision History			
Revision	Date	Description	Short Description
1.0.4	08/09/2015		Right Upper Arm



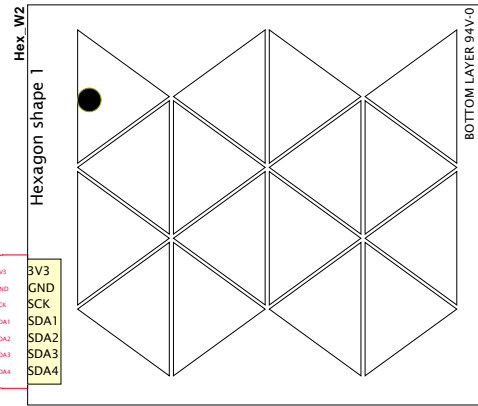
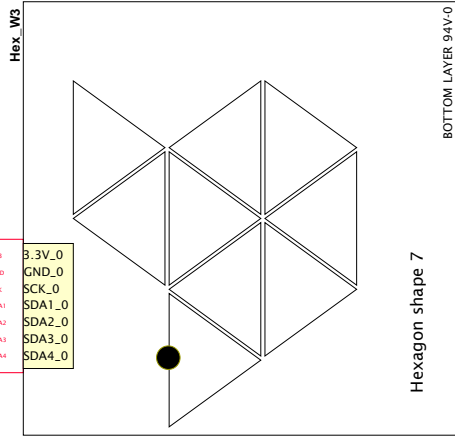
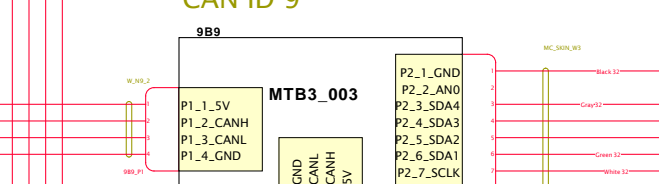
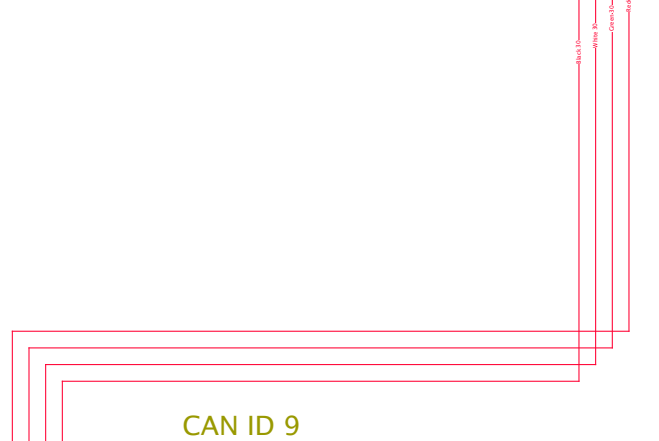
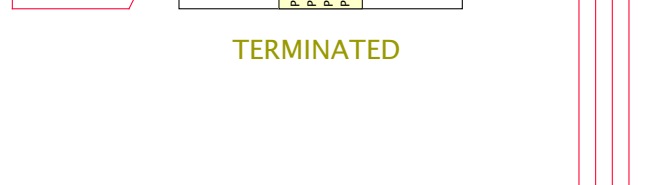
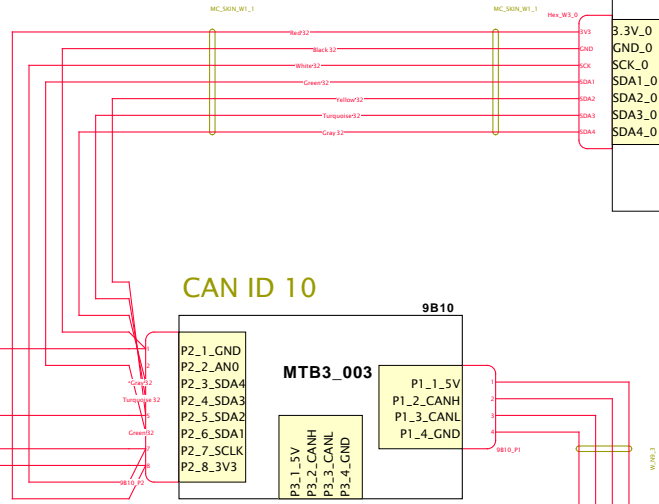
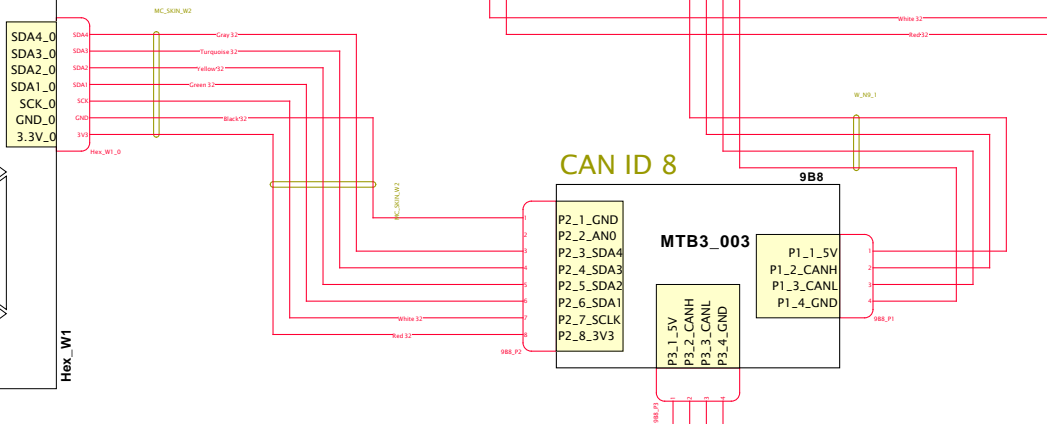
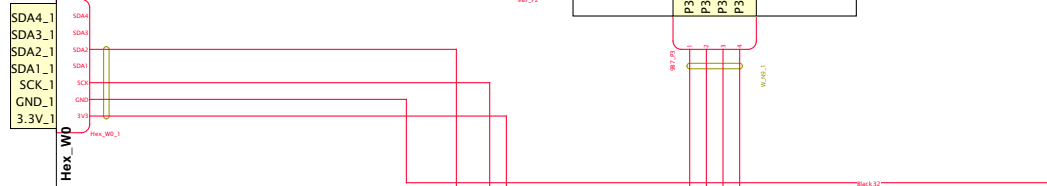
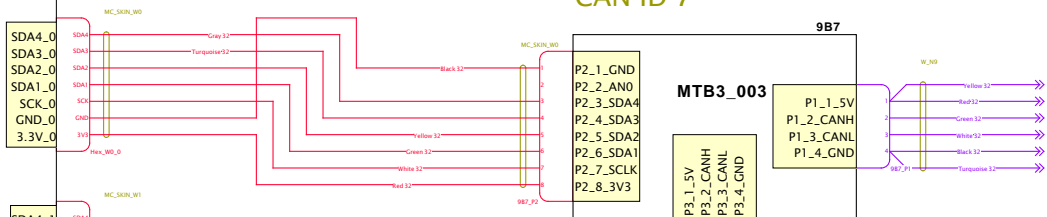
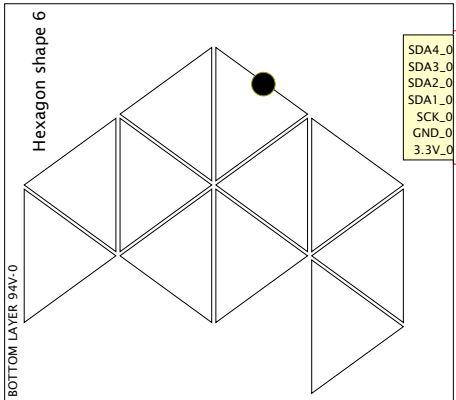
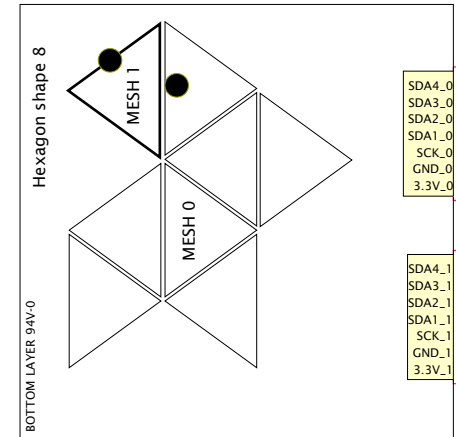


△ The black dot is the place where to solder the wires in the mesh

[illegible]

Harness attribute Legend	
Color	Harness
Red	Skin Rightleg Harness
Green	Rightlegkürde Harness
Blue	Rightleg aus. Membrane

Revision History			
Revision	Date	Description	Short Description
1.0.0	09/09/2015		RightUpperLeg



Logic devices Table				
Index	Device	Part Number	Part Description	Type Description
1	9B7	MTB3_003	MTB3_003 Board for flexible sensor ACS	Device
2	9B8	MTB3_003	MTB3_003 Board for flexible sensor ACS	Device
3	9B9	MTB3_003	MTB3_003 Board for flexible sensor ACS	Device
4	9B10	MTB3_003	MTB3_003 Board for flexible sensor ACS	Device
5	Hex_W0	Hex_W0	Hexagon Shape 0 - Custom	Device
6	Hex_W1	Hex_W1	Hexagon Shape 1 - Custom	Device
7	Hex_W2	Hex_W2	Hexagon Shape 2 - Custom	Device
8	Hex_W3	Hex_W3	Hexagon Shape 3 - Custom	Device

Harness attribute Legend	
Color	Harness
Blue	Skin Torso Harness
Red	Backbone Harness

Revision History			
Revision	Date	Description	Short Description
1.0.1	2016.05.03.14	Start for the Torso	
1.0.0	2016.05.03.17	Start for the Torso	