DRAFT

USB PANEL CONNECTOR

CN2 — 100mm 0:2.0mm — SP_CN2 — 200mm 0:2mm — USB_CN12 — USB Type micro B

STCODE:									
Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
L	-	-	-	-	-	-	-	-
R	-	-	-	-	-	-	-	-
X	WIRE195	14	-	-	-	14132	R	
S	WIRE200	26	-	-	-	99	C	
S	WIRE201	26	-	-	-	98	O	
S	WIRE202	26	-	-	-	72	R	
S	WIRE203	26	-	-	-	69	R	

STCODE: dummy_con_USB_B
Dummy USB connector

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE198	14	ac/Term			14722	R	

STCODE: dummy_con_USB2.0-WM100
Dummy connector USB panel 2USB2.0-WM100

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE202	26	ac/Term			72	R	
2	WIRE203	26	ac/Term			69	R	
3	WIRE201	26	ac/Term			98	O	
4	WIRE200	26	ac/Term			99	B	
D	-	-	-	-	-	-	-	-

CN3 — 100mm 0:2.0mm — SP_CN3 — 200mm 0:2mm — USB_CN13 — USB Type micro B

STCODE:									
Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
L	-	-	-	-	-	-	-	-
R	-	-	-	-	-	-	-	-
X	WIRE9	26	-	-	-	72	R	
S	WIRE10	26	-	-	-	98	O	
S	WIRE7	26	-	-	-	99	C	
S	WIRE8	26	-	-	-	98	B	
S	WIRE12	26	-	-	-	14722	R	

STCODE: dummy_con_USB_B
Dummy USB connector

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE197	14	ac/Term			14722	R	

STCODE: dummy_con_USB2.0-WM100
Dummy connector USB panel 2USB2.0-WM100

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE10	26	ac/Term			72	R	
2	WIRE12	26	ac/Term			98	O	
3	WIRE7	26	ac/Term			99	C	
4	WIRE8	26	ac/Term			98	B	
D	-	-	-	-	-	-	-	-

BATTERY

BAT1_POS — 100mm 0:2.0mm — 200mm 0:2.0mm — CTRS1_J21

1.0mm 0:1.0mm

BAT1_NEG

STCODE: 4287
Pumps, 5 contact, 1 rows, female, Straight, brass, 6.3x0.8m...

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE31	14	ac/Term			31664	R	

STCODE: 4201
Pin header, 2 contact, 1 rows, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE32	14	ac/Term			31696	R	

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE31	14	ac/Term			31664	R	
2	WIRE32	14	ac/Term			31696	R	

POWER

CN1 — 200mm 0:7.4mm — CTRS1_J05

STCODE: KF20-PM-05
KF20-PM-05

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE119	14	-			31668	R	
2	WIRE148	14	-			31668	R	
3	WIRE146	14	ac/Term			31668	R	
4	WIRE125	14	-			31695	R	
5	WIRE145	14	-			31695	R	
6	WIRE15	14	ac/Term			31695	R	
L	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE121	14	ac/Term			31668	R	
2	WIRE125	26	ac/Term			73	O	

SW1 — 200mm 0:7.4mm — CTRS1_J03

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE121	14	ac/Term			31668	R	
2	WIRE125	26	ac/Term			73	O	

STCODE: dummy_con_4pin
Dummy connector 4 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE121	14	ac/Term			31668	R	
2	WIRE125	26	ac/Term			73	O	
3	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-

FS1 — 200mm 0:7.4mm — CTRS1_J23

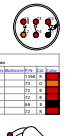
STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE124	14	ac/Term			31668	R	
2	WIRE154	26	ac/Term			73	O	

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE124	14	ac/Term			31668	R	
2	WIRE154	26	ac/Term			73	O	

FAULT



FAULT — 200mm 0:6.4mm — 200mm 0:6.4mm — CTRS1_J24

2.0mm 0:1.0mm

CTRS1_J20

R_FAULT

STCODE: dummy_con_11050
Dummy connector fault push button

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
11	WIRE198	14	ac/Term			31668	R	
12	WIRE135	26	ac/Term			73	O	
23	WIRE207	26	ac/Term			72	R	
24	WIRE158	26	ac/Term			72	R	
91	WIRE160	26	ac/Term			98	B	
92	WIRE159	26	ac/Term			72	R	

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE198	14	ac/Term			31668	R	
2	WIRE135	26	ac/Term			73	O	

STCODE: dummy_con_2pin
Dummy connector 2 pin

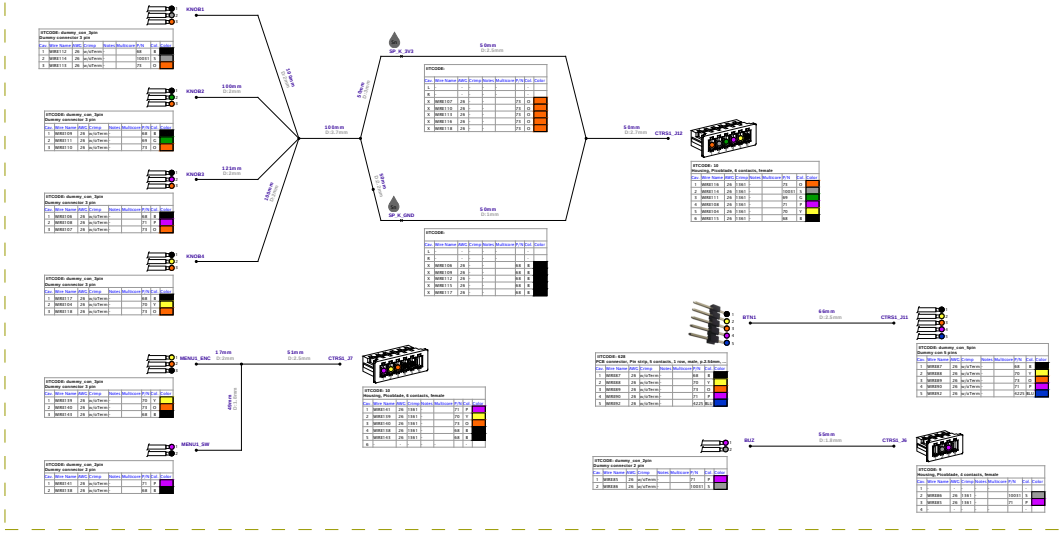
Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE207	26	ac/Term			72	R	
2	WIRE160	26	ac/Term			98	B	
3	-	-	-	-	-	-	-	-

STCODE: dummy_con_resistor
Dummy connector resistor

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE158	26	ac/Term			72	R	
2	WIRE159	26	ac/Term			72	R	

Ventilator Harness
Diagram1 Rev. 0.0.0

KNOBS, KEYPAD, BUZZER



KNOB1 — 100mm 0:2.0mm — 15.9mm 0:1.0mm

STCODE: dummy_con_3pin
Dummy connector 3 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE112	26	ac/Term			98	B	
2	WIRE116	26	ac/Term			31031	S	
3	WIRE115	26	ac/Term			73	O	

KNOB2 — 100mm 0:2mm — 5.9mm 0:1.0mm

STCODE: dummy_con_3pin
Dummy connector 3 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE108	26	ac/Term			69	O	
2	WIRE111	26	ac/Term			69	O	
3	WIRE110	26	ac/Term			73	O	

KNOB3 — 121mm 0:2mm — 15.9mm 0:1.0mm

STCODE: dummy_con_3pin
Dummy connector 3 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE106	26	ac/Term			98	B	
2	WIRE104	26	ac/Term			71	Y	
3	WIRE105	26	ac/Term			73	O	

KNOB4 — 15.9mm 0:1.0mm

STCODE: dummy_con_3pin
Dummy connector 3 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE117	26	ac/Term			70	V	
2	WIRE104	26	ac/Term			70	V	
3	WIRE118	26	ac/Term			73	O	

SP_K_3V3 — 5.0mm 0:2.0mm — 5.0mm 0:2.0mm — 5.0mm 0:2.0mm — 15.9mm 0:1.0mm — 15.9mm 0:1.0mm — SP_K_GND — 5.0mm 0:1.0mm

STCODE:

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
L	-	-	-	-	-	-	-	-
R	-	-	-	-	-	-	-	-
X	WIRE107	26	-	-	-	73	O	
S	WIRE110	26	-	-	-	73	O	
S	WIRE111	26	-	-	-	73	O	
S	WIRE116	26	-	-	-	73	O	
S	WIRE118	26	-	-	-	73	O	

5.0mm 0:2.0mm — CTRS1_J12

STCODE: 10
Housing, Pitch2mm, 6 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE114	26	3361			74	O	
2	WIRE113	26	3361			31031	S	
3	WIRE171	26	3361			99	C	
4	WIRE108	26	3361			71	Y	
5	WIRE106	26	3361			70	V	
6	WIRE117	26	3361			98	B	

BTN1 — 66mm 0:2.5mm — CTRS1_J11

STCODE: 428
PCB connector, Pin strip, 5 contacts, 1 row, male, p.2.54mm, ...

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE97	26	ac/Term			98	B	
2	WIRE98	26	ac/Term			70	V	
3	WIRE99	26	ac/Term			73	O	
4	WIRE100	26	ac/Term			71	Y	
5	WIRE102	26	ac/Term			3123	Bu	

STCODE: dummy_con_5pin
Dummy con 5 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE97	26	ac/Term			98	B	
2	WIRE98	26	ac/Term			70	V	
3	WIRE99	26	ac/Term			73	O	
4	WIRE100	26	ac/Term			71	Y	
5	WIRE102	26	ac/Term			3123	Bu	

BUZ — 50mm 0:1.0mm — CTRS1_J6

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE81	26	ac/Term			71	Y	
2	WIRE86	26	ac/Term			31031	S	

STCODE: 9
Housing, Pitch2mm, 6 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	-	-	-	-	-	-	-	-
2	WIRE86	26	3361			31031	S	
3	WIRE81	26	3361			71	Y	
4	-	-	-	-	-	-	-	-

MENU1_ENC — 17mm 0:2mm — 51mm 0:2.5mm — CTRS1_J7

STCODE: dummy_con_5pin
Dummy connector 5 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE122	26	ac/Term			70	V	
2	WIRE145	26	ac/Term			73	O	
3	WIRE143	26	ac/Term			98	B	

STCODE: 10
Housing, Pitch2mm, 6 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE141	26	3361			71	Y	
2	WIRE140	26	3361			73	O	
3	WIRE142	26	3361			98	B	
4	WIRE143	26	3361			98	B	
5	WIRE145	26	3361			73	O	
6	-	-	-	-	-	-	-	-

MENU1_SW

STCODE: dummy_con_5pin
Dummy connector 5 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE141	26	ac/Term			71	Y	
2	WIRE139	26	ac/Term			98	B	

MISCELLANEOUS

CTRS1_J27 — 200mm 0:2.0mm — CTRP_J1

STCODE: 11
Housing, Pitch2mm, 8 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE177	32	X		MC_CTR1	MC:5436	R	
2	WIRE188	23	X		MC_CTR1	MC:5436	O	
3	WIRE189	32	X		MC_CTR1	MC:5436	Ye	
4	WIRE187	32	X		MC_CTR1	MC:5436	Gr	
5	WIRE183	32	X		MC_CTR1	MC:5436	Bl	
6	WIRE186	32	X		MC_CTR1	MC:5436	Vi	
7	WIRE179	32	X		MC_CTR1	MC:5436	G	
8	WIRE190	32	X		MC_CTR1	MC:5436	W	

STCODE: 11
Housing, Pitch2mm, 8 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE177	32	X		MC_CTR2	MC:5436	R	
2	WIRE188	23	X		MC_CTR2	MC:5436	O	
3	WIRE189	32	X		MC_CTR2	MC:5436	Ye	
4	WIRE187	32	X		MC_CTR2	MC:5436	Gr	
5	WIRE183	32	X		MC_CTR2	MC:5436	Bl	
6	WIRE186	32	X		MC_CTR2	MC:5436	Vi	
7	WIRE179	32	X		MC_CTR2	MC:5436	G	
8	WIRE190	32	X		MC_CTR2	MC:5436	W	

STCODE:6000

Ventilator Harness
Diagram1 Rev. 0.0.0

SENSORS

S7 — 62mm 0:2mm — CTRS1_J16

STCODE: dummy_con_3pin
Dummy connector 3 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE137	26	ac/Term			31213	Bu	
2	WIRE185	26	ac/Term			97	N	
3	WIRE145	26	ac/Term			98	B	

STCODE: 8
Housing, Pitch2mm, 4 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE137	26	3361			31213	Bu	
2	WIRE185	26	3361			97	N	
3	WIRE145	26	3361			98	B	
4	-	-	-	-	-	-	-	-

S2 — 200mm 0:2.0mm — CTRSP_J2

STCODE: 10
Housing, Pitch2mm, 6 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE174	26	3361		MC_X	MC:1561	R	
2	WIRE191	26	3361		MC_X	MC:1561	Y	
3	WIRE176	26	3361		MC_X	MC:1561	O	
4	WIRE175	26	3361		MC_X	MC:1561	Bl	
5	WIRE192	26	3361		MC_X	MC:1561	G	
6	WIRE193	26	3361		MC_X	MC:1561	W	

S5 — 200mm 0:2.0mm — CTRSP_J3

STCODE: 10
Housing, Pitch2mm, 6 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE180	26	3361		MC_X	MC:1561	R	
2	WIRE182	26	3361		MC_X	MC:1561	Y	
3	WIRE181	26	3361		MC_X	MC:1561	O	
4	WIRE178	26	3361		MC_X	MC:1561	Bl	
5	WIRE197	26	3361		MC_X	MC:1561	G	
6	WIRE196	26	3361		MC_X	MC:1561	W	

LEDs

LED1 — 200mm 0:1.8mm — CTRS1_J9

STCODE: dummy_con_LED
Dummy connector LED

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
A	WIRE176	26	ac/Term			73	O	
K	WIRE168	26	ac/Term			98	B	

STCODE: 10
Housing, Pitch2mm, 6 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	WIRE176	26	3361			73	O	
4	WIRE168	26	3361			98	B	
5	WIRE172	26	3361			73	O	
6	WIRE173	26	3361			98	B	

LED2 — 200mm 0:2.0mm

STCODE: dummy_con_LED
Dummy connector LED

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
A	WIRE175	26	ac/Term			73	O	
K	WIRE155	26	ac/Term			98	B	

LED3 — 50mm 0:1mm — R3

STCODE: dummy_con_LED
Dummy connector LED

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
A	WIRE178	26	ac/Term			73	O	
K	WIRE177	26	ac/Term			97	N	

STCODE: dummy_con_resistor
Dummy connector resistor

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE128	26	ac/Term			73	O	
2	WIRE78	26	ac/Term			73	O	

LED4 — 50mm 0:1mm — R4

STCODE: dummy_con_LED
Dummy connector LED

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
A	WIRE80	26	ac/Term			73	O	
K	WIRE79	26	ac/Term			97	N	

STCODE: dummy_con_resistor
Dummy connector resistor

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE127	26	ac/Term			73	O	
2	WIRE80	26	ac/Term			73	O	

LED5 — 50mm 0:1mm — R5

STCODE: dummy_con_LED
Dummy connector LED

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
A	WIRE82	26	ac/Term			73	O	
K	WIRE81	26	ac/Term			97	N	

STCODE: dummy_con_resistor
Dummy connector resistor

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE151	26	ac/Term			73	O	
2	WIRE82	26	ac/Term			73	O	

LED6 — 50mm 0:1mm — R6

STCODE: dummy_con_LED
Dummy connector LED

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
A	WIRE84	26	ac/Term			73	O	
K	WIRE83	26	ac/Term			97	N	

STCODE: dummy_con_resistor
Dummy connector resistor

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE151	26	ac/Term			73	O	
2	WIRE84	26	ac/Term			73	O	

VALVES

CAM_S130_IN — 200mm 0:2mm — CTRS1_J22

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE208	26	ac/Term			72	R	
2	WIRE215	26	ac/Term			98	B	

STCODE: 12
Housing, Pitch2mm, 8 contacts, female

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	WIRE208	26	3361			72	R	
4	WIRE215	26	3361			73	O	
5	-	-	-	-	-	-	-	-
6	WIRE210	26	3361			98	B	
7	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-

ON_OFF_VALVE — 200mm 0:2.0mm — CTRS1_J14

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE212	26	ac/Term			70	V	
2	WIRE214	26	ac/Term			73	O	

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE212	26	ac/Term			70	V	
2	WIRE214	26	ac/Term			73	O	

PROP_VALVE — 200mm 0:2.0mm — CAM_S130_OUT

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE211	26	ac/Term			70	V	
2	WIRE216	26	ac/Term			73	O	

STCODE: dummy_con_2pin
Dummy connector 2 pin

Zac.	Wire Name	WAC	Comp	Notes	Multicore	P/N	Ext	Color
1	WIRE211	26	ac/Term			70	V	
2	WIRE216	26	ac/Term			73	O	

Revision History			
Revision	Index	Date	Design Description
0.0.0	1	24/03/2022	

IIT - Istituto Italiano di Tecnologia Via Morego, 30 16163 - Genova	Project: Ventilator Ferrari-IIT		
	Drawn: Andrea Mura	Created: Andrea Mura	Approved:
Document: Ventilator Harness Diagram: Diagram1	Part Number: vent_xxx		Revision: 0.0.0
Size: A1	Date: Wednesday, April 22, 2020 7:41:47 PM		Sheet: 1 of 1

Harness BOM Table

Index	IIT Code	Description	Type Description	Color	Supplier P/N	Supplier Name	Unit	Qty/Length [mm]
1	1	Crimp Pin,Male, Female AWG24-22	Terminal	Not Applicable	1001-8000	MOLEX	Each	27
2	9	Housing, Pitch6mm, 4 contacts, female	connector - Female	White	51021-0400	MOLEX	Each	2
3	10	Housing, Pitch6mm, 6 contacts, female	connector - Female	White	51021-0600	MOLEX	Each	1
4	11	Housing, Pitch6mm, 8 contacts, female	connector - Female	White	51021-0800	MOLEX	Each	3
5	66	Wire insulated, 1 pole, AWG26, white	Single Wire	White	-	-	Per Length	2110
6	67	Wire insulated, 1 pole, AWG26, brown	Single Wire	Brown	-	-	Per Length	60
7	68	Wire insulated, 1 pole, AWG26, black	Single Wire	Black	-	-	Per Length	2610
8	69	Wire insulated, 1 pole, AWG26, green	Single Wire	Green	-	-	Per Length	160
9	70	Wire insulated, 1 pole, AWG26, yellow	Single Wire	Yellow	-	-	Per Length	1580
10	71	Wire insulated, 1 pole, AWG26, violet	Single Wire	Violet	-	-	Per Length	190
11	72	Wire insulated, 1 pole, AWG26, red	Single Wire	Red	-	-	Per Length	8010
12	73	Wire insulated, 1 pole, AWG26, orange	Single Wire	Orange	-	-	Per Length	2080
13	628	PCB connector, Pin strip, 5 contacts, 1 row, male,	connector - Female	Not Applicable	-	-	Each	1
14	1361	Crimp Pin,Male, Female AWG26-24	Terminal	Not Applicable	1001-8000	MOLEX	Each	24
15	1368	PVC insulated, 1 pole AWG14, 600V red	Single Wire	Red	-	-	Per Length	1400
16	1369	PVC insulated, 1 pole AWG14, 600V black	Single Wire	Black	-	-	Per Length	600
17	1590	PVC insulated cable, 4 poles	Multicore Wire	Black	-	-	Per Length	400
18	4197	Faston, 1 contact, 1 rows, female, Straight, brass,	connector - Female	Red	-	-	Each	1
19	4201	Faston, 1 contact, 1 rows, female	connector - Female	Blue	-	-	Each	1
20	4223	Ferrule insulated, 1 pole, AWG24, blue	Single Wire	Blue	-	-	Per Length	125
21	1459	Ferrule insulated cable, 8 poles, AWG22	Multicore Wire	Black	-	-	Per Length	200
22	6000	Glass fuse, 4A, fast, 5x20mm	Fuse	Not Applicable	-	-	Each	1
23	10031	Ferrule insulated, 1 pole, AWG26, grey	Single Wire	Gray	-	-	Per Length	405
24	14726	Housing, 2U7 PV series PA6-6, 4 contacts, 1 row, f...	connector - Female	Not Applicable	-	-	Each	2
25	14723	USB cable, USB A to micro USB B, L: 500mm	Single Wire	Black	-	-	Each	2

WireList

Wire No.	From	Cav	To	Cav	IIT Code	WAC	M/C	Length	Col.	Color
WIRE1#	MUT1_NOC	1	CTRS1_J21	1	1368	14		300	Black	
WIRE2#	MUT1_POS	1	CTRS1_J21	1	1368	14		300	Red	
WIRE3#	BTN1	1	CTRS1_J11	2	70	26		65	Violet	
WIRE4#	BTN1	2	CTRS1_J11	2	70	26		65	Yellow	
WIRE5#	BTN1	3	CTRS1_J11	3	73	26		65	Orange	
WIRE6#	BTN1	4	CTRS1_J11	4	71	26		65	Violet	
WIRE7#	BTN1	5	CTRS1_J11	5	4223	26		65	Blue	
WIRE8#	BUZ	1	CTRS1_J6	3	71	26		55	Violet	
WIRE9#	BUZ	2	CTRS1_J6	2	31031	26		55	Gray	
WIRE10#	CN1	1	CTRS1_J20	1	1368	14		200	Red	
WIRE11#	CN1	2	CN1	1	1368	14		100	Red	
WIRE12#	CN1	3	CTRS1_J20	2	1369	14		200	Black	
WIRE13#	CN1	4	CN1	3	1369	14		100	Black	
WIRE14#	CN2	1	SP_CN2	9	72	26		105	Red	
WIRE15#	CN2	2	SP_CN2	8	66	26		105	White	
WIRE16#	CN2	3	SP_CN2	5	69	26		105	Green	
WIRE17#	CN2	4	SP_CN2	5	68	26		105	Black	
WIRE18#	CTRSP_J1	1	CTRS1_J27	1			32	MC_CTR1	200	Yellow
WIRE19#	CTRSP_J1	8	CTRS1_J27	8			32	MC_CTR1	200	White
WIRE20#	CTRSP_J2	2	S2	1			30	MC_S2	200	Yellow
WIRE21#	CTRSP_J2	5	S2	6			30	MC_S2	200	Blue
WIRE22#	CTRSP_J2	6	S2	1			30	MC_S2	200	White
WIRE23#	CTRSP_J2	2	S5	1			30	MC_S5	200	Yellow
WIRE24#	CTRSP_J2	5