TFTXXXSM-SLIM-RF

TFT350SM-SLIM-RF	TFT430SM-SLIM-RF	TFT700SM-SLIM-RF
		

FW: 1.0.1

USER MANUAL-ENGLISH

Rev.1.0

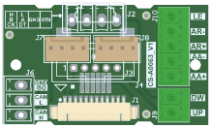
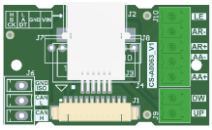
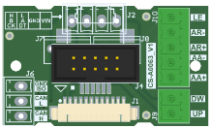
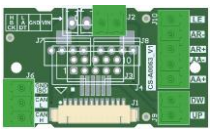
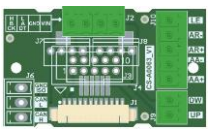
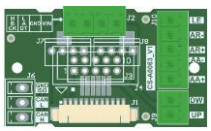
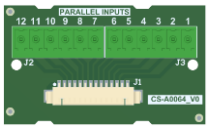
DOWNLOAD (Software/Updates):

http://vegaplanner.vegalift.it/ftp/Software/SirioEditor/SirioEditor_v7.8.4.0.zip

DISPLAY CODES

INTERFACE	DISPLAY CODE	GLASS THICKNESS
PARALLEL	TFT350SM-SLIM-RF-PAR-0	0 mm
	TFT350SM-SLIM-RF-PAR-2	2 mm
	TFT430SM-SLIM-RF-PAR-0	0 mm
	TFT430SM-SLIM-RF-PAR-2	2 mm
	TFT700SM-SLIM-RF-PAR-0	0 mm
	TFT700SM-SLIM-RF-PAR-2	2 mm
VEGA SERIAL	TFT350SM-SLIM-RF-RC-SER-0	0 mm
	TFT350SM-SLIM-RF-RC-SER-2	2 mm
	TFT430SM-SLIM-RF-RC-SER-0	0 mm
	TFT430SM-SLIM-RF-RC-SER-2	2 mm
	TFT700SM-SLIM-RF-RC-SER-0	0 mm
	TFT700SM-SLIM-RF-RC-SER-2	2 mm
RS485 SERIAL	TFT350SM-SLIM-RF-RC-485-0	0 mm
	TFT350SM-SLIM-RF-RC-485-2	2 mm
	TFT430SM-SLIM-RF-RC-485-0	0 mm
	TFT430SM-SLIM-RF-RC-485-2	2 mm
	TFT700SM-SLIM-RF-RC-485-0	0 mm
	TFT700SM-SLIM-RF-RC-485-2	2 mm
CAN SERIAL	TFT350SM-SLIM-RF-RC-CAN-0	0 mm
	TFT350SM-SLIM-RF-RC-CAN-2	2 mm
	TFT430SM-SLIM-RF-RC-CAN-0	0 mm
	TFT430SM-SLIM-RF-RC-CAN-2	2 mm
	TFT700SM-SLIM-RF-RC-CAN-0	0 mm
	TFT700SM-SLIM-RF-RC-CAN-2	2 mm
OPEN CAN SERIAL	TFT350SM-SLIM-RF-RC-CI-0	0 mm
	TFT350SM-SLIM-RF-RC-CI-2	2 mm
	TFT430SM-SLIM-RF-RC-CI-0	0 mm
	TFT430SM-SLIM-RF-RC-CI-2	2 mm
	TFT700SM-SLIM-RF-RC-CI-0	0 mm
	TFT700SM-SLIM-RF-RC-CI-2	2 mm

DISPLAY WIRING KIT CODES

CODE	DESCRIPTION	KIT COMPONENTS	
KIT-CB-TFT-SLIM-EXC-01-L1.5	SLIM TFT cable kit, conn. EXC, L: 1.5m		Display cables length 1.5mt + ground cable 14cm
KIT-CB-TFT-SLIM-EXC-01-L5	SLIM TFT cable kit, conn. EXC, L: 5m		Display cables length 5mt + ground cable 19cm
KIT-CB-TFT-SLIM-RJ12-01-L1.5	SLIM TFT cable kit, conn. RJ12, L: 1.5m		Display cables length 1.5mt + ground cable 14cm
KIT-CB-TFT-SLIM-RJ12-01-L5	SLIM TFT cable kit, conn. RJ12, L: 5m		Display cables length 5mt + ground cable 19cm
KIT-CB-TFT-SLIM-IDC-01-L1.5	SLIM TFT cable kit, conn. IDC, L: 1.5m		Display cables length 1.5mt + ground cable 14cm
KIT-CB-TFT-SLIM-IDC-01-L5	SLIM TFT cable kit, conn. IDC, L: 5m		Display cables length 5mt + ground cable 19cm
KIT-CB-TFT-SLIM-ISO-01-L1.5	SLIM TFT cable kit, conn. ISO, L: 1.5m		Display cables length 1.5mt + ground cable 14cm
KIT-CB-TFT-SLIM-ISO-01-L5	SLIM TFT cable kit, conn. ISO, L: 5m		Display cables length 5mt + ground cable 19cm
KIT-CB-TFT-SLIM-ESTR-01-L1.5	SLIM TFT cable kit, conn. ESTR, L: 1.5m		Display cables length 1.5mt + ground cable 14cm
KIT-CB-TFT-SLIM-ESTR-01-L5	SLIM TFT cable kit, conn. ESTR, L: 5m		Display cables length 5mt + ground cable 19cm
KIT-CB-TFT-SLIM-PAR-01-L1.5	SLIM TFT cable kit, conn. PAR, L: 1.5m		Display cables length 1.5mt + ground cable 14cm
KIT-CB-TFT-SLIM-PAR-01-L5	SLIM TFT cable kit, conn. PAR, L: 5m		Display cables length 5mt + ground cable 19cm

Contents

1 TECHNICAL DATA

1.1 TFT350SM-SLIM-RF

Screen	3.5”	
Resolution	480 (RGB) x 320	
Display area	74 x 49 [mm]	2.91" x 1.93"
Colours	65.000	
Pixel	0.1926 x 0.179 [mm^2]	
Power supply voltage	12÷24 Vdc ±10%	
Current consumption	(paragraph 1.4)	
Operating Temperature	0°C / +60°C	32°F / +140°F
Graphics/firmware update	Micro SD card (512 MB – 16 GB)	
RTC Battery	Lithium 3V CR1220	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% brightness)	25.000 hours	

1.2 TFT430SM-SLIM-RF

Screen	4.3”	
Resolution	480 (RGB) x 272	
Display area	95 x 53 [mm]	3.74" x 2.08"
Colours	65.000	
Pixel	0.198 x 0.198 [mm^2]	
Power supply voltage	12÷24 Vdc ±10%	
Current consumption	(paragraph 1.4)	
Operating Temperature	0°C / +60°C	32°F / +140°F
Graphics/firmware update	Micro SD card (512 MB – 16 GB)	
RTC Battery	Lithium 3V CR1220	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% brightness)	25.000 hours	

1.3 TFT700SM-SLIM-RF

Screen	7”	
Resolution	800 (RGB) x 480	
Display area	153.8 x 85.6 [mm]	6.05" x 3.37"
Colours	65.000	
Pixel	0.192 x 0.178 [mm^2]	
Power supply voltage	12÷24 Vdc ±10%	
Current consumption	(paragraph 1.4)	
Operating Temperature	0°C / +60°C	32°F / +140°F
Graphics/firmware update	Micro SD card (512 MB – 16 GB)	
RTC Battery	Lithium 3V CR1220	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% brightness)	25.000 hours	

1.4 CURRENT CONSUMPTION

The following table shows the current consumption of the TFTs for the following configuration:

- Backlight → 100%
- Buzzer → OFF
- Speaker → OFF
- Call collection inputs (for serial interfaces) → not active
- Parallel inputs (for parallel interfaces) → not active

	TFT350SM-SLIM-RF	TFT430SM-SLIM-RF	TFT700SM-SLIM-RF
12V	130mA	145mA	260mA
24V	75mA	85mA	140mA

Depending on the TFT configuration, the consumption of call collection inputs, parallel inputs, and audio, as shown below, must be added to the above consumption:

- N.4 active call collection inputs, relating to the following models:
  - TFTXXXSM-SLIM-RF-RC-SER
  - TFTXXXSM-SLIM-RF-RC-485
  - TFTXXXSM-SLIM-RF-RC-CAN
  - TFTXXXSM-SLIM-RF-RC-CI

	4 CALLS
12V	5mA
24V	10mA

- N.14 active inputs, relating to the following model:
  - TFTXXXSM-SLIM-RF-PAR

	14 INPUTS
12V	20mA
24V	40mA

- N.1 speaker:
  - TFTXXXSM-SLIM-RF-RC-SER
  - TFTXXXSM-SLIM-RF-RC-485
  - TFTXXXSM-SLIM-RF-RC-CAN
  - TFTXXXSM-SLIM-RF-RC-CI
  - TFTXXXSM-SLIM-RF-PAR

CHANNEL L	1.8W (8Ω)
CHANNEL R	1.8W (8Ω)

2 WORKING MODE

ONLY AVAILABLE FOR THE TFTXXXSM-SLIM-RF-PAR MODEL:

Display	Description	Max number of floors (default range)
1 WIRE	**1 wire per floor**, each input (1-8) activates a floor	8 (0,7)
BINARY	The inputs (1-6) encode the floor number in **binary**	64 (0,63)
INVERTED BINARY	The inputs (1-6) encode the floor number in **inverted binary**	64 (0,63)
GRAY	The inputs (1-6) encode the floor number in **GRAY**	64 (0,63)
BCD	The inputs (1-6) encode the floor number in **BCD**	29 (-9,19)
7 SEG	**Seven segments**, each segment corresponds to an input	-9, 29
Stand alone NO	Stand-alone display mode (with magnetic **NO** sensors)	64 (-9,54)
Stand alone NC	Stand-alone display mode (with magnetic **NC** sensors)	64 (-9,54)
DEMO	Lift virtual simulation with floors, arrows and alarms	16 (0,15)

ONLY AVAILABLE FOR THE TFTXXXSM-SLIM-RF-RC-SER MODEL:

Display	Description	Max number of floors (default range)
Serial V	VEGA Serial.	32 (-9,32)

ONLY AVAILABLE FOR THE TFTXXXSM-SLIM-RF-RC-485 MODEL:

Display	Description	Max number of floors (default range)
RS485 XX	RS485 Serial. Select the operating mode according to the control board communication protocol.	32 (-9,32)

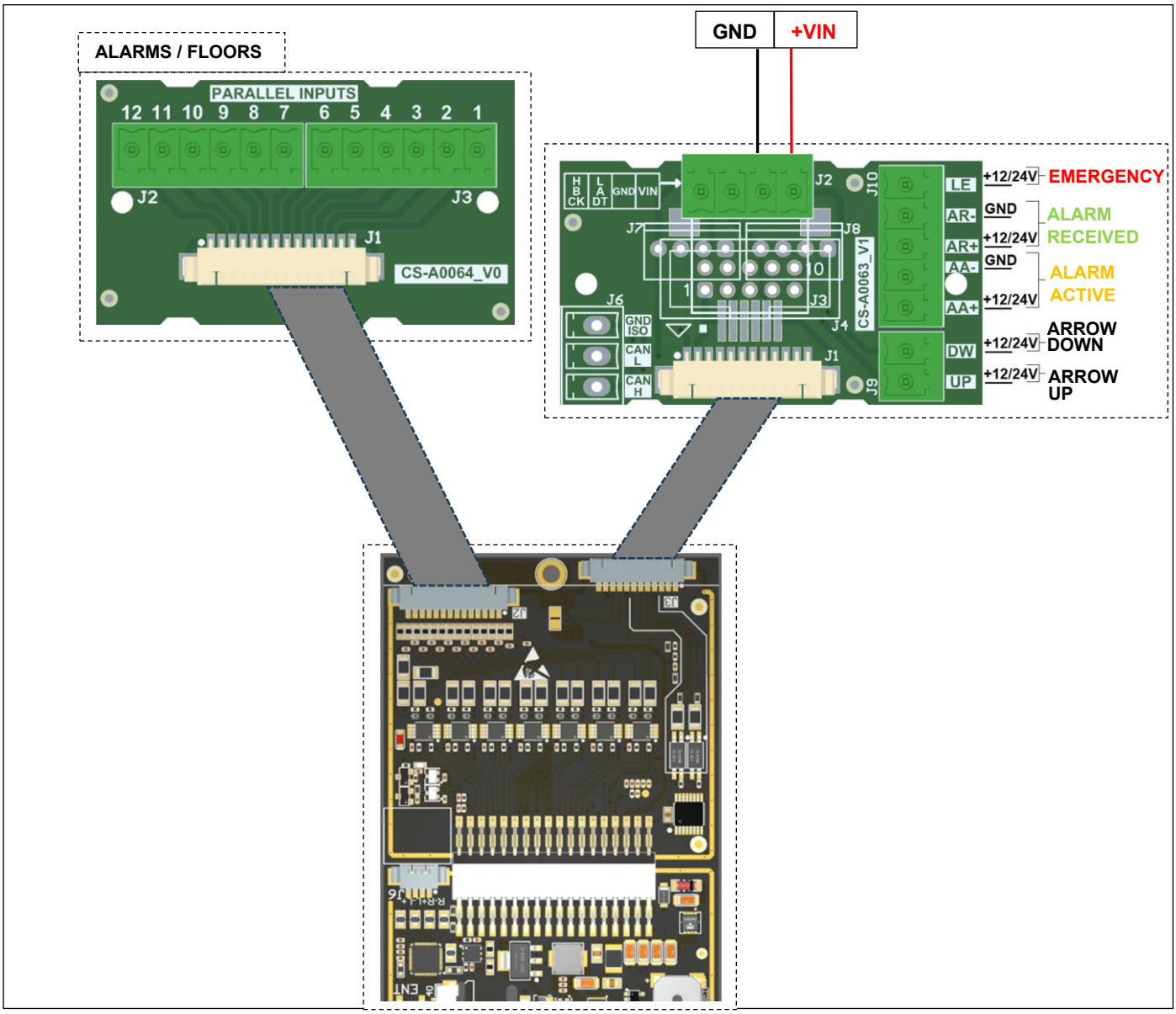
ONLY AVAILABLE FOR THE TFTXXXSM-SLIM-RF-RC-CAN MODEL:

Display	Description	Max number of floors (default range)
CAN XX	CAN XX Serial. Select the operating mode according to the control board communication protocol.	64 (-9,55)

ONLY AVAILABLE FOR THE TFTXXXSM-SLIM-RF-RC-CI MODEL:

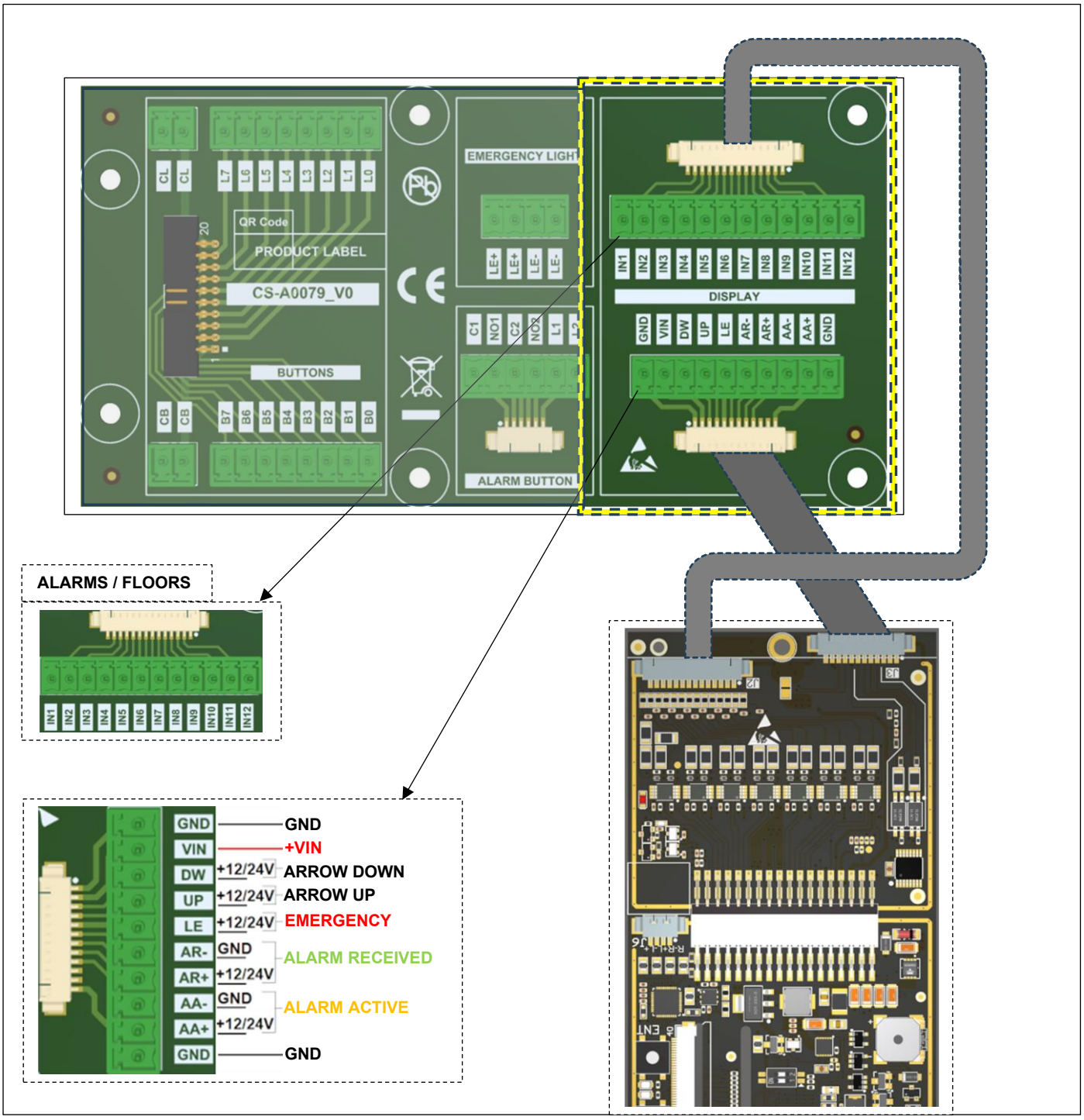
Display	Description	Max number of floors (default range)
CAN XX	CAN 125, CAN 250 Serial. Select the operating mode according to the control board communication protocol.	64 (-9,55)

3 PARALLEL WORKING MODE (TFTXXXSM-SLIM-RF-PAR)



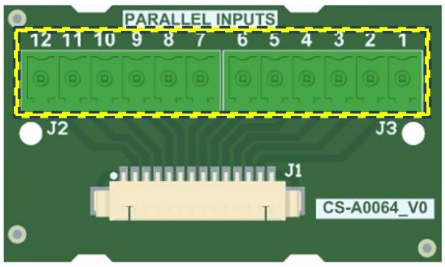
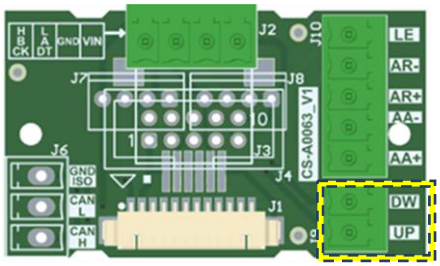
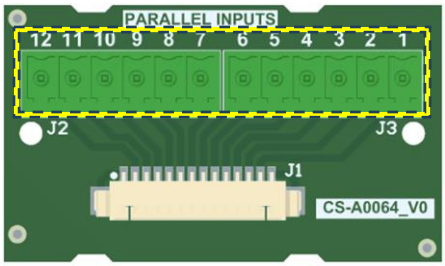
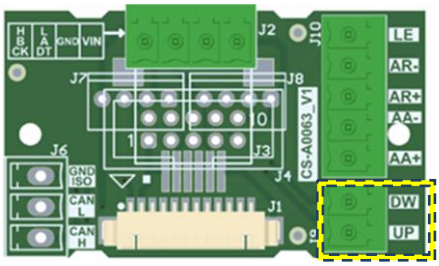
If the device is in the car and the plate is pre-wired by Vega, there will be the **A0079 board on the car top**.

The connectors related to the display are those highlighted in yellow ("**DISPLAY"** section).

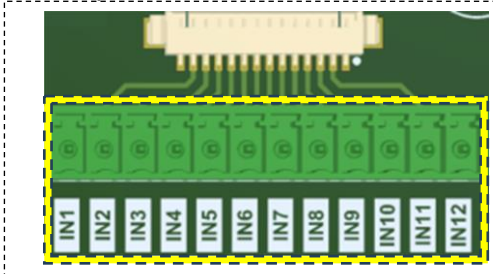
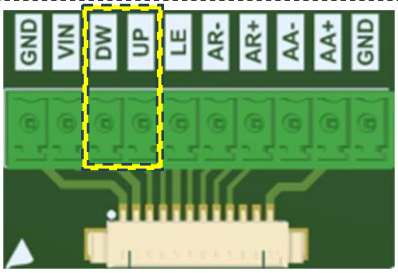
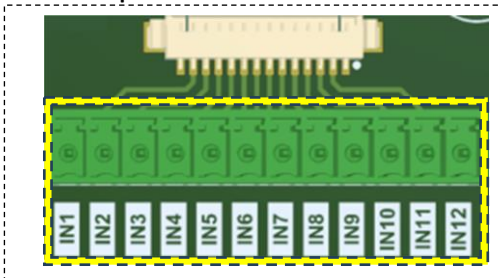
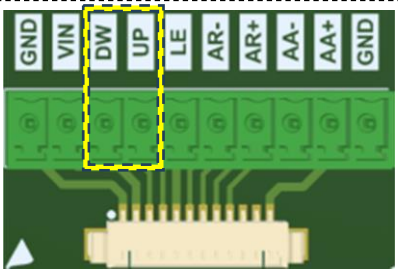


3.1 SELECTING FLOORS AND ARROWS COMMON INPUTS

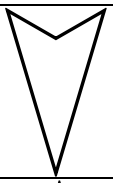
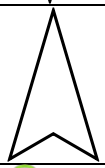
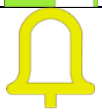
It is possible to select the common inputs of the floors and arrows via the "4.4 Polarity" programming menu.

	FLOORS/ALARMS	ARROWS
COM. POSITIVE DISPLAY	**NEGATIVE INPUTS from 1 to 12:** Menu: 4 Options/ 4.4 Polarity/ **4.4.1 Input Polarity=Negative** **Input activation via connection to GND** 	**NEGATIVE ARROW INPUTS (UP/DW):** Menu: 4 Options/ 4.4 Polarity/ **4.4.2 Arrow Polarity=Negative** **Arrow activation via connection to GND** 
COM. NEGATIVE DISPLAY	**POSITIVE INPUTS from 1 to 12:** Menu: 4 Options/ 4.4 Polarity/ **4.4.1 Input Polarity=Positive** **Input activation via +V connection** 	**POSITIVE ARROW INPUTS (UP/DW):** Menu: 4 Options/ 4.4 Polarity/ **4.4.2 Arrow Polarity=Positive** **Arrow activation via +V connection** 

When using the **A0079** board, refer to the following table:

	FLOORS/ALARMS	ARROWS
COM. POSITIVE DISPLAY	**NEGATIVE INPUTS from 1 to 12:** Menu: 4 Options/ 4.4 Polarity/ **4.4.1 Input Polarity=Negative** **Input activation via connection to GND** 	**NEGATIVE ARROW INPUTS (UP/DW):** Menu: 4 Options/ 4.4 Polarity/ **4.4.2 Arrow Polarity=Negative** **Arrow activation via connection to GND** 
COM. NEGATIVE DISPLAY	**POSITIVE INPUTS from 1 to 12:** Menu: 4 Options/ 4.4 Polarity/ **4.4.1 Input Polarity=Positive** **Input activation via +V connection** 	**POSITIVE ARROW INPUTS (UP/DW):** Menu: 4 Options/ 4.4 Polarity/ **4.4.2 Arrow Polarity=Positive** **Arrow activation activated via +V connection** 

3.2 1 WIRE PER FLOOR

PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
1-8	Floor Inputs	
9	Fire Control	
10	Out of order	
11	Overload	
12	GONG	--
DW	Down arrow	
UP	Up arrow	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy light	

* Messages and icons can be edited using the Vega SIRIO EDITOR software.
** Plant status number (frame) in the Vega SIRIO EDITOR software.

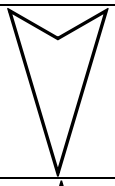
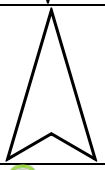
The 1 WIRE PER FLOOR mode is activated by setting:

Menu → 1 Mode & Project → 1.2 Set Mode → **1 WIRE**

Active Input	1	2	3	4	5	6	7	8
Floor*	0	1	2	3	4	5	6	7

The value shown when input 1 (lowest position) is activated can be changed through parameter **2.1 SET FIRST FLOOR.**
The input values of the subsequent floors will be automatically recalculated.

3.3 BINARY, INVERTED BINARY, GRAY, BCD

PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
1-6	Floor Inputs	
7	Reserved	
8	Maintenance	
9	Firefighters	
10	Out of order	
11	Overload	
12	GONG	--
DW	Down arrow	
UP	Up arrow	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy light	

* Messages and icons can be edited using the Vega SIRIO EDITOR software.
** Plant status number (frame) in the Vega SIRIO EDITOR software.

Binary	Inverted Binary	Display inputs					
		1	2	3	4	5	6
0	63	OFF	OFF	OFF	OFF	OFF	OFF
1	62	ON	OFF	OFF	OFF	OFF	OFF
2	61	OFF	ON	OFF	OFF	OFF	OFF
3	60	ON	ON	OFF	OFF	OFF	OFF
4	59	OFF	OFF	ON	OFF	OFF	OFF
5	58	ON	OFF	ON	OFF	OFF	OFF
6	57	OFF	ON	ON	OFF	OFF	OFF
7	56	ON	ON	ON	OFF	OFF	OFF
8	55	OFF	OFF	OFF	ON	OFF	OFF
9	54	ON	OFF	OFF	ON	OFF	OFF
10	53	OFF	ON	OFF	ON	OFF	OFF
11	52	ON	ON	OFF	ON	OFF	OFF
12	51	OFF	OFF	ON	ON	OFF	OFF
13	50	ON	OFF	ON	ON	OFF	OFF
14	49	OFF	ON	ON	ON	OFF	OFF
15	48	ON	ON	ON	ON	OFF	OFF
16	47	OFF	OFF	OFF	OFF	ON	OFF
17	46	ON	OFF	OFF	OFF	ON	OFF
18	45	OFF	ON	OFF	OFF	ON	OFF
19	44	ON	ON	OFF	OFF	ON	OFF
20	43	OFF	OFF	ON	OFF	ON	OFF
21	42	ON	OFF	ON	OFF	ON	OFF
22	41	OFF	ON	ON	OFF	ON	OFF
23	40	ON	ON	ON	OFF	ON	OFF
24	39	OFF	OFF	OFF	ON	ON	OFF
25	38	ON	OFF	OFF	ON	ON	OFF
26	37	OFF	ON	OFF	ON	ON	OFF
27	36	ON	ON	OFF	ON	ON	OFF
28	35	OFF	OFF	ON	ON	ON	OFF
29	34	ON	OFF	ON	ON	ON	OFF
30	33	OFF	ON	ON	ON	ON	OFF
31	32	ON	ON	ON	ON	ON	OFF

Binary	Inverted Binary	Display inputs					
		1	2	3	4	5	6
32	31	OFF	OFF	OFF	OFF	OFF	ON
33	30	ON	OFF	OFF	OFF	OFF	ON
34	29	OFF	ON	OFF	OFF	OFF	ON
35	28	ON	ON	OFF	OFF	OFF	ON
36	27	OFF	OFF	ON	OFF	OFF	ON
37	26	ON	OFF	ON	OFF	OFF	ON
38	25	OFF	ON	ON	OFF	OFF	ON
39	24	ON	ON	ON	OFF	OFF	ON
40	23	OFF	OFF	OFF	ON	OFF	ON
41	22	ON	OFF	OFF	ON	OFF	ON
42	21	OFF	ON	OFF	ON	OFF	ON
43	20	ON	ON	OFF	ON	OFF	ON
44	19	OFF	OFF	ON	ON	OFF	ON
45	18	ON	OFF	ON	ON	OFF	ON
46	17	OFF	ON	ON	ON	OFF	ON
47	16	ON	ON	ON	ON	OFF	ON
48	15	OFF	OFF	OFF	OFF	ON	ON
49	14	ON	OFF	OFF	OFF	ON	ON
50	13	OFF	ON	OFF	OFF	ON	ON
51	12	ON	ON	OFF	OFF	ON	ON
52	11	OFF	OFF	ON	OFF	ON	ON
53	10	ON	OFF	ON	OFF	ON	ON
54	9	OFF	ON	ON	OFF	ON	ON
55	8	ON	ON	ON	OFF	ON	ON
56	7	OFF	OFF	OFF	ON	ON	ON
57	6	ON	OFF	OFF	ON	ON	ON
58	5	OFF	ON	OFF	ON	ON	ON
59	4	ON	ON	OFF	ON	ON	ON
60	3	OFF	OFF	ON	ON	ON	ON
61	2	ON	OFF	ON	ON	ON	ON
62	1	OFF	ON	ON	ON	ON	ON
63	0	ON	ON	ON	ON	ON	ON

The table refers to a programmed display with parameter **2.1 SET FIRST FLOOR = 0**.
All other floors will be automatically recalculated.

BCD	Display inputs				
	1	2	3	4	5
0	ON	ON	ON	ON	OFF
1	OFF	ON	ON	ON	OFF
2	ON	OFF	ON	ON	OFF
3	OFF	OFF	ON	ON	OFF
4	ON	ON	OFF	ON	OFF
5	OFF	ON	OFF	ON	OFF
6	ON	OFF	OFF	ON	OFF
7	OFF	OFF	OFF	ON	OFF
8	ON	ON	ON	OFF	OFF
9	OFF	ON	ON	OFF	OFF

BCD	Display inputs				
	1	2	3	4	5
10	ON	ON	ON	ON	ON
11	OFF	ON	ON	ON	ON
12	ON	OFF	ON	ON	ON
13	OFF	OFF	ON	ON	ON
14	ON	ON	OFF	ON	ON
15	OFF	ON	OFF	ON	ON
16	ON	OFF	OFF	ON	ON
17	OFF	OFF	OFF	ON	ON
18	ON	ON	ON	OFF	ON
19	OFF	ON	ON	OFF	ON

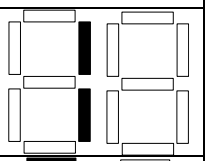
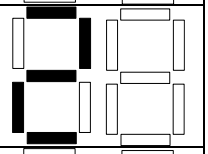
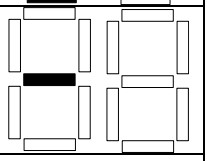
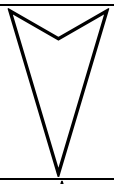
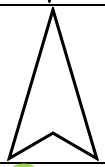
IMPORTANT: To use BCD encoding, set parameter **2.1 SET FIRST FLOOR= 0**.
Input 6 activates the minus sign. If 5 and 6 are both active, only ten will appear.

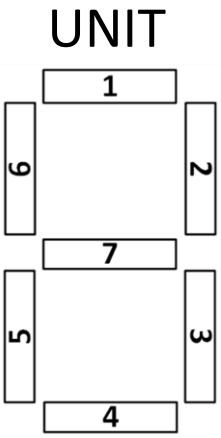
Gray	Display inputs						Gray	Display inputs					
	1	2	3	4	5	6		1	2	3	4	5	6
0	OFF	OFF	OFF	OFF	OFF	OFF	32	OFF	OFF	OFF	OFF	ON	ON
1	ON	OFF	OFF	OFF	OFF	OFF	33	ON	OFF	OFF	OFF	ON	ON
2	ON	ON	OFF	OFF	OFF	OFF	34	ON	ON	OFF	OFF	ON	ON
3	OFF	ON	OFF	OFF	OFF	OFF	35	OFF	ON	OFF	OFF	ON	ON
4	OFF	ON	ON	OFF	OFF	OFF	36	OFF	ON	ON	OFF	ON	ON
5	ON	ON	ON	OFF	OFF	OFF	37	ON	ON	ON	OFF	ON	ON
6	ON	OFF	ON	OFF	OFF	OFF	38	ON	OFF	ON	OFF	ON	ON
7	OFF	OFF	ON	OFF	OFF	OFF	39	OFF	OFF	ON	OFF	ON	ON
8	OFF	OFF	ON	ON	OFF	OFF	40	OFF	OFF	ON	ON	ON	ON
9	ON	OFF	ON	ON	OFF	OFF	41	ON	OFF	ON	ON	ON	ON
10	ON	ON	ON	ON	OFF	OFF	42	ON	ON	ON	ON	ON	ON
11	OFF	ON	ON	ON	OFF	OFF	43	OFF	ON	ON	ON	ON	ON
12	OFF	ON	OFF	ON	OFF	OFF	44	OFF	ON	OFF	ON	ON	ON
13	ON	ON	OFF	ON	OFF	OFF	45	ON	ON	OFF	ON	ON	ON
14	ON	OFF	OFF	ON	OFF	OFF	46	ON	OFF	OFF	ON	ON	ON
15	OFF	OFF	OFF	ON	OFF	OFF	47	OFF	OFF	OFF	ON	ON	ON
16	OFF	OFF	OFF	ON	ON	OFF	48	OFF	OFF	OFF	ON	OFF	ON
17	ON	OFF	OFF	ON	ON	OFF	49	ON	OFF	OFF	ON	OFF	ON
18	ON	ON	OFF	ON	ON	OFF	50	ON	ON	OFF	ON	OFF	ON
19	OFF	ON	OFF	ON	ON	OFF	51	OFF	ON	OFF	ON	OFF	ON
20	OFF	ON	ON	ON	ON	OFF	52	OFF	ON	ON	ON	OFF	ON
21	ON	ON	ON	ON	ON	OFF	53	ON	ON	ON	ON	OFF	ON
22	ON	OFF	ON	ON	ON	OFF	54	ON	OFF	ON	ON	OFF	ON
23	OFF	OFF	ON	ON	ON	OFF	55	OFF	OFF	ON	ON	OFF	ON
24	OFF	OFF	ON	OFF	ON	OFF	56	OFF	OFF	ON	OFF	OFF	ON
25	ON	OFF	ON	OFF	ON	OFF	57	ON	OFF	ON	OFF	OFF	ON
26	ON	ON	ON	OFF	ON	OFF	58	ON	ON	ON	OFF	OFF	ON
27	OFF	ON	ON	OFF	ON	OFF	59	OFF	ON	ON	OFF	OFF	ON
28	OFF	ON	OFF	OFF	ON	OFF	60	OFF	ON	OFF	OFF	OFF	ON
29	ON	ON	OFF	OFF	ON	OFF	61	ON	ON	OFF	OFF	OFF	ON
30	ON	OFF	OFF	OFF	ON	OFF	62	ON	OFF	OFF	OFF	OFF	ON
31	OFF	OFF	OFF	OFF	ON	OFF	63	OFF	OFF	OFF	OFF	OFF	ON

The table refers to a programmed display with parameter **2.1 SET FIRST FLOOR = 0**. All other floors will be automatically recalculated.

3.4 7 SEGMENTS

The 7 SEGMENT encoding can be activated by configuring **1.2 SET MODE = 7 SEG**.

PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
1-7	Unit Inputs	
8	Tens (1X)	
9	Twenty (2X)	
10	Minus "- "	
11	Overload	
12	GONG	--
DW	Down arrow	
UP	Up arrow	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy light	

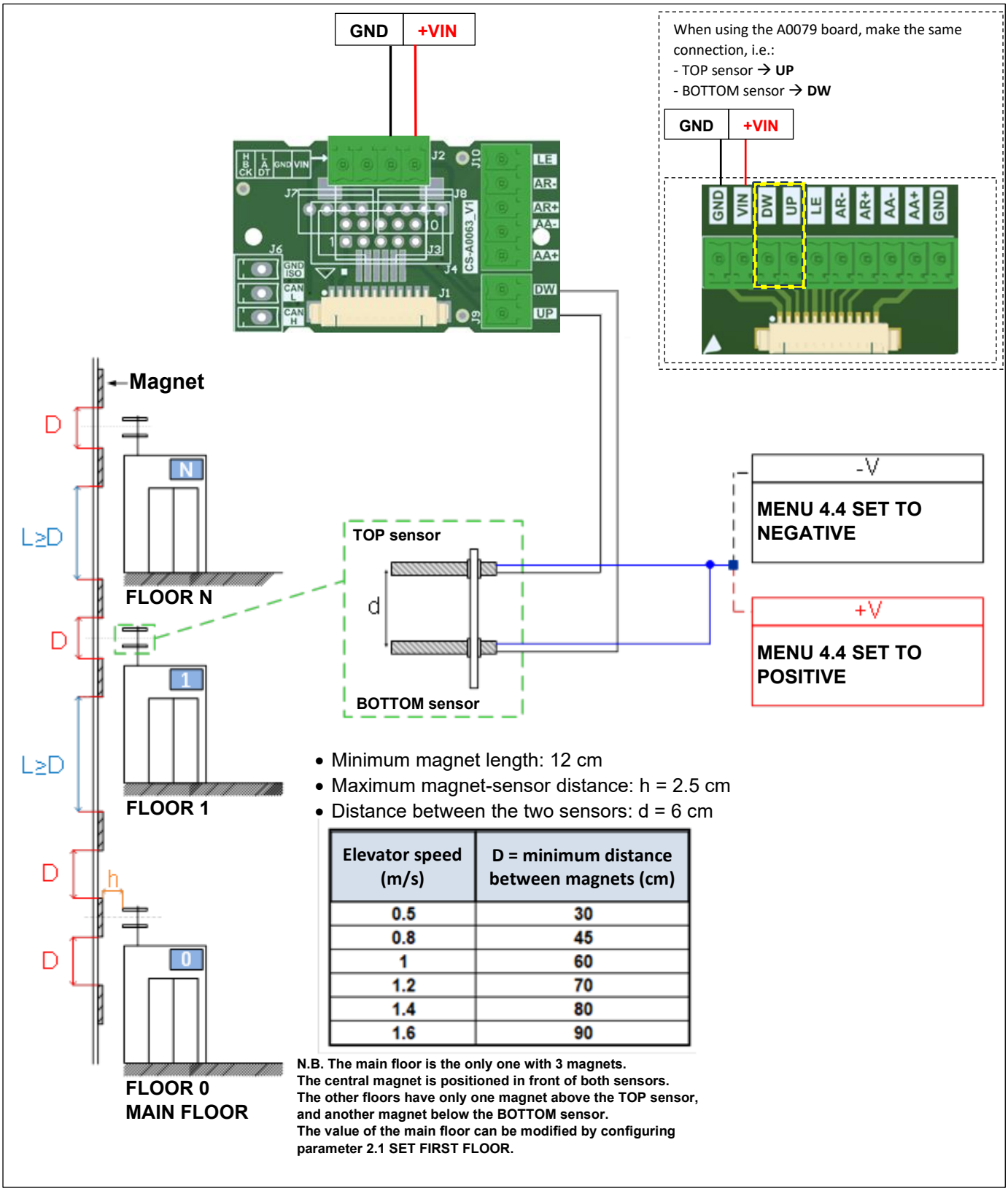


INPUT	DIGIT
1	a
2	b
3	c
4	d
5	e
6	f
7	g

* Messages and icons can be edited using the Vega SIRIO EDITOR software.
** Plant status number (frame) in the Vega SIRIO EDITOR software.

3.5 STAND ALONE

Stand Alone mode can be activated by configuring the parameter:
1.2 SET MODE = Stand Alone NO in case of use of normally open sensors.
1.2 SET MODE = Stand Alone NC when using normally closed sensors.
The elevator speed must be between the values: **Vmin = 0.4 m/s - VMAX = 2 m/s**.



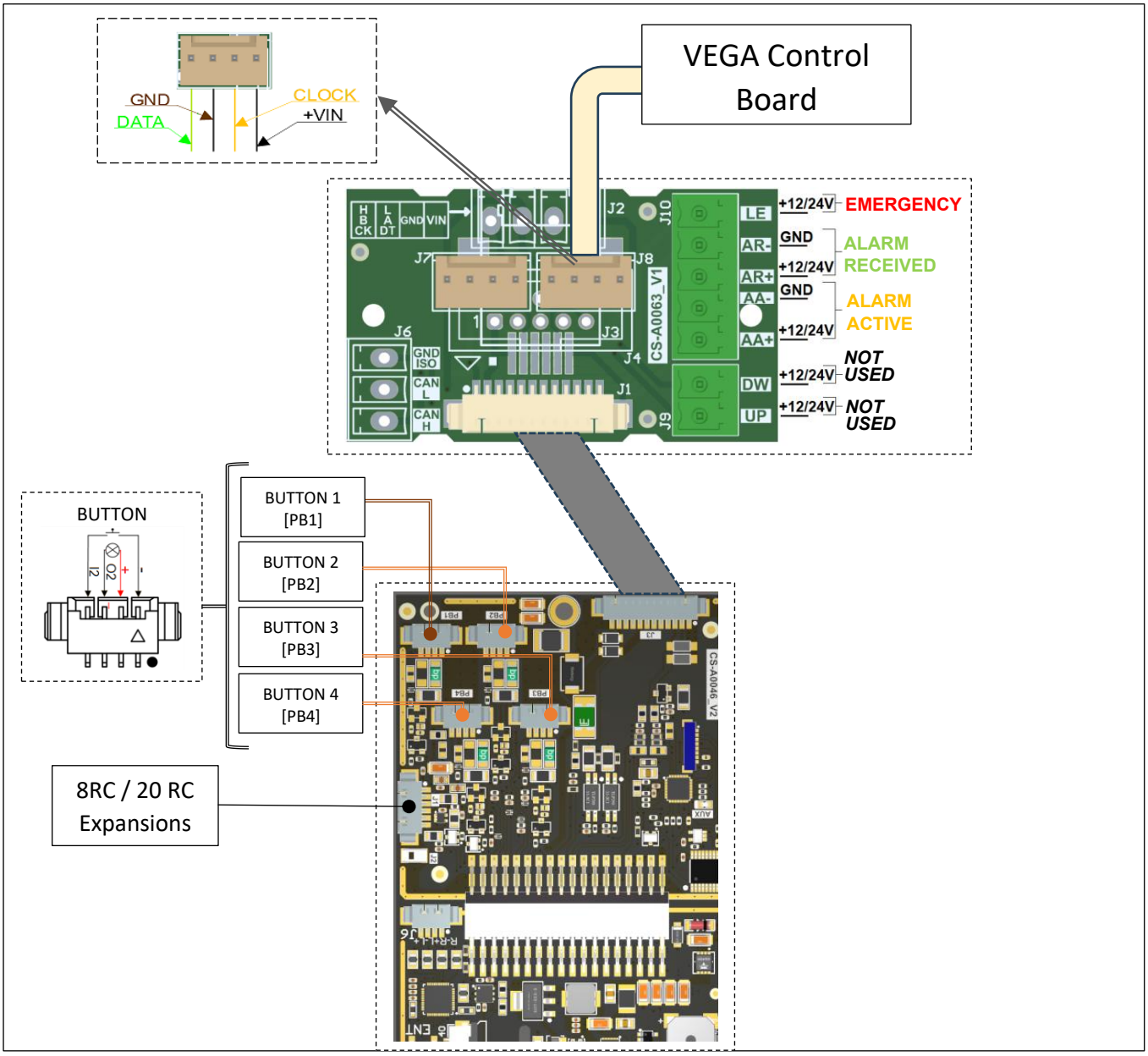
- Minimum magnet length: 12 cm
- Maximum magnet-sensor distance: h = 2.5 cm
- Distance between the two sensors: d = 6 cm

Elevator speed (m/s)	D = minimum distance between magnets (cm)
0.5	30
0.8	45
1	60
1.2	70
1.4	80
1.6	90

N.B. The main floor is the only one with 3 magnets.
The central magnet is positioned in front of both sensors.
The other floors have only one magnet above the TOP sensor, and another magnet below the BOTTOM sensor.
The value of the main floor can be modified by configuring parameter 2.1 SET FIRST FLOOR.

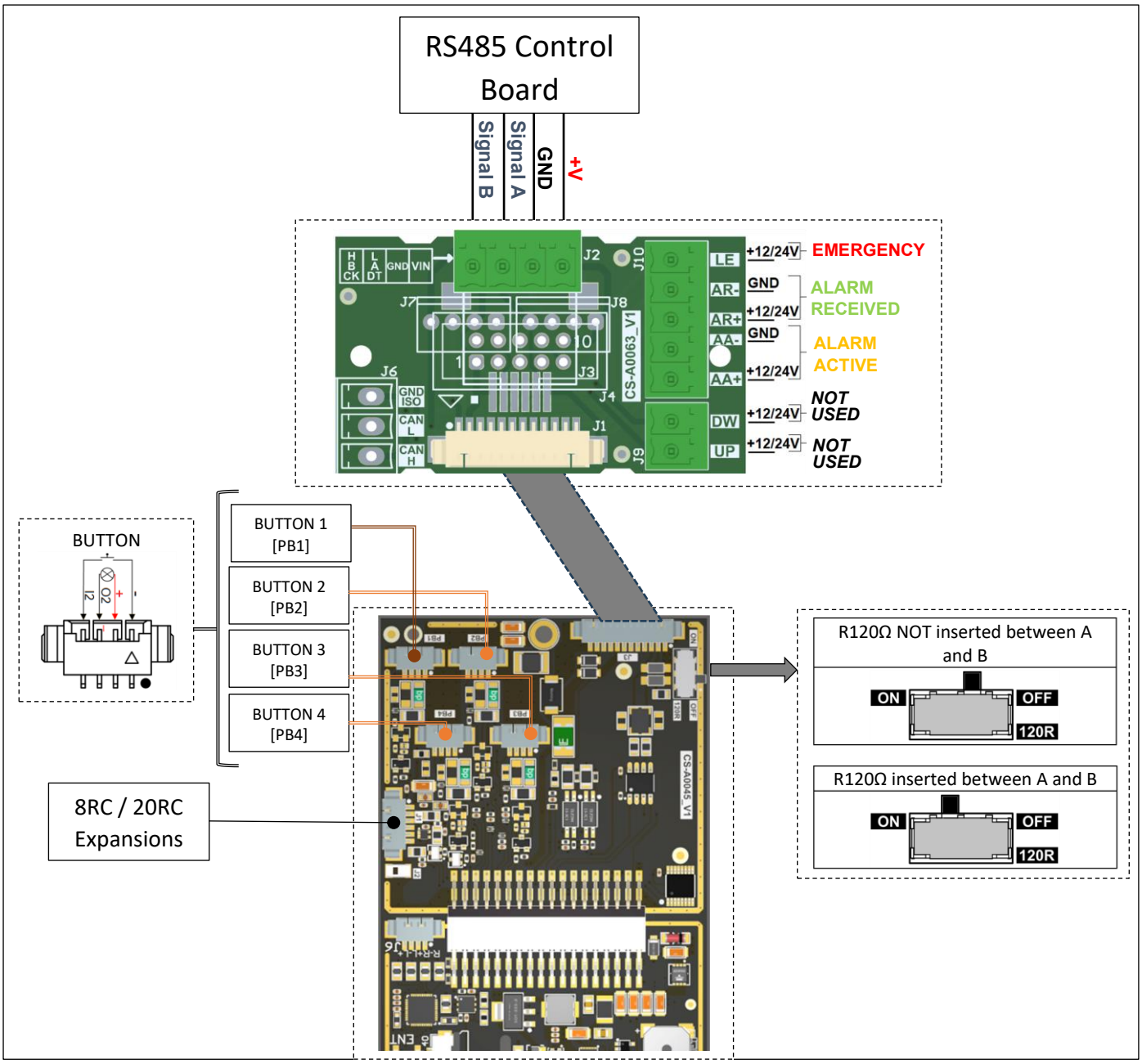
4 SERIAL WORKING MODES

4.1 VEGA SERIAL (TFTXXXSM-SLIM-RF-RC-SER)



VEGA SERIAL mode can be activated by setting **1.2 SET MODE = SERIAL V.**

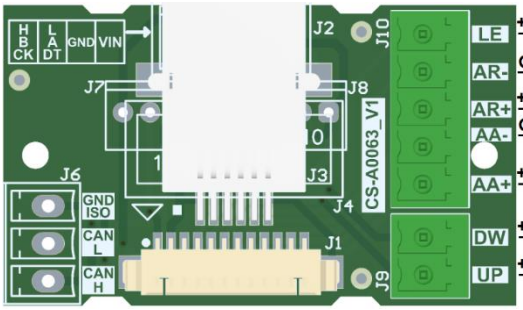
4.2 RS485 (TFTXXXSM-SLIM-RF-RC-485)



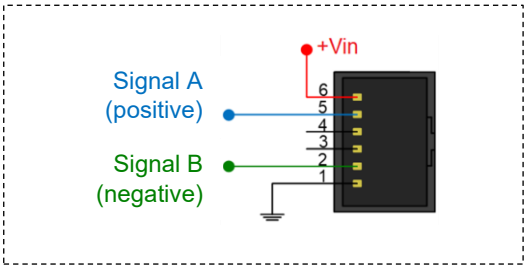
IMPORTANT: If multiple devices are installed on the same serial bus, for proper communication the termination resistor must be enabled on the master device and ONLY on the last slave device. To enable the termination resistor on the TFT, set the "120R" switch to ON.

Interfaces available for use in RS485:

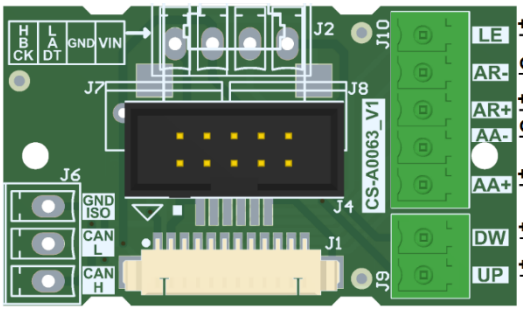
RJ12 CONNECTOR



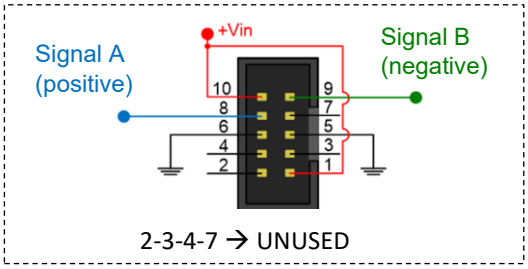
+12/24V – EMERGENCY
GND – ALARM RECEIVED
+12/24V – ALARM RECEIVED
GND – ALARM ACTIVE
+12/24V – ALARM ACTIVE
NOT USED
+12/24V – NOT USED
+12/24V – NOT USED



IDC CONNECTOR

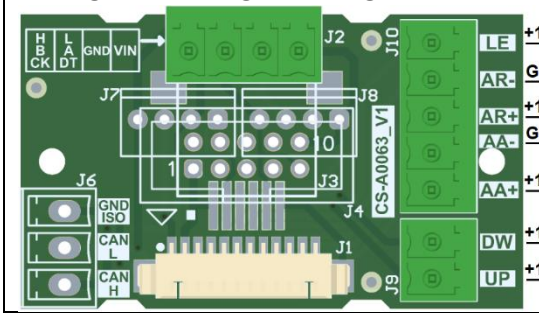


+12/24V – EMERGENCY
GND – ALARM RECEIVED
+12/24V – ALARM RECEIVED
GND – ALARM ACTIVE
+12/24V – ALARM ACTIVE
NOT USED
+12/24V – NOT USED
+12/24V – NOT USED

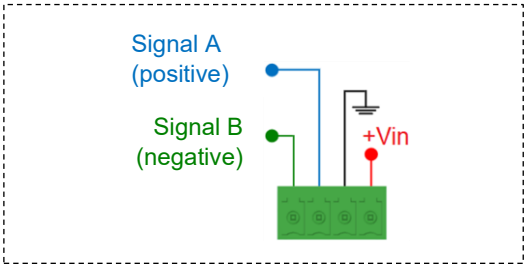


2-3-4-7 → UNUSED

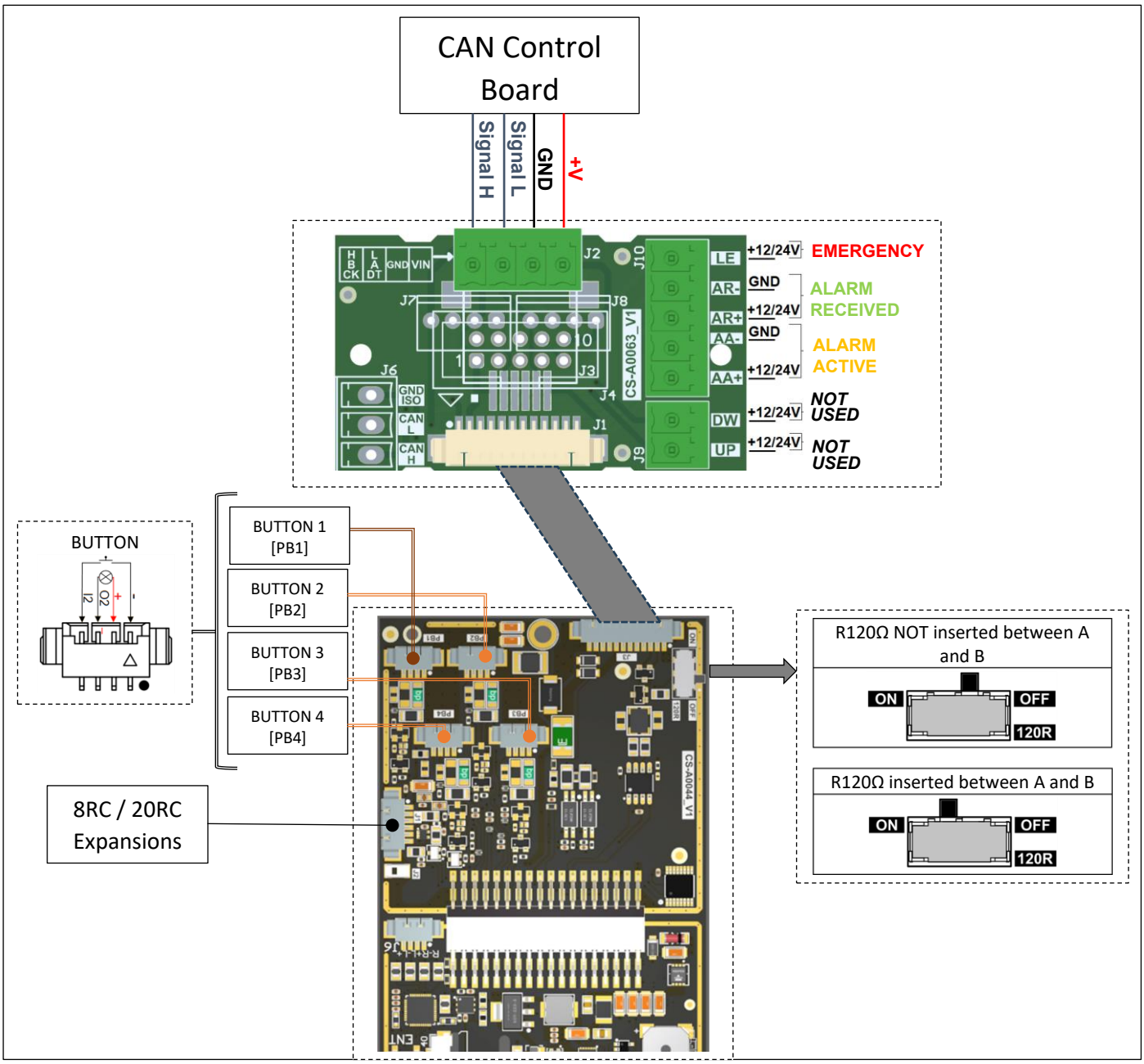
REMOVABLE CONNECTOR



+12/24V – EMERGENCY
GND – ALARM RECEIVED
+12/24V – ALARM RECEIVED
GND – ALARM ACTIVE
+12/24V – ALARM ACTIVE
NOT USED
+12/24V – NOT USED
+12/24V – NOT USED

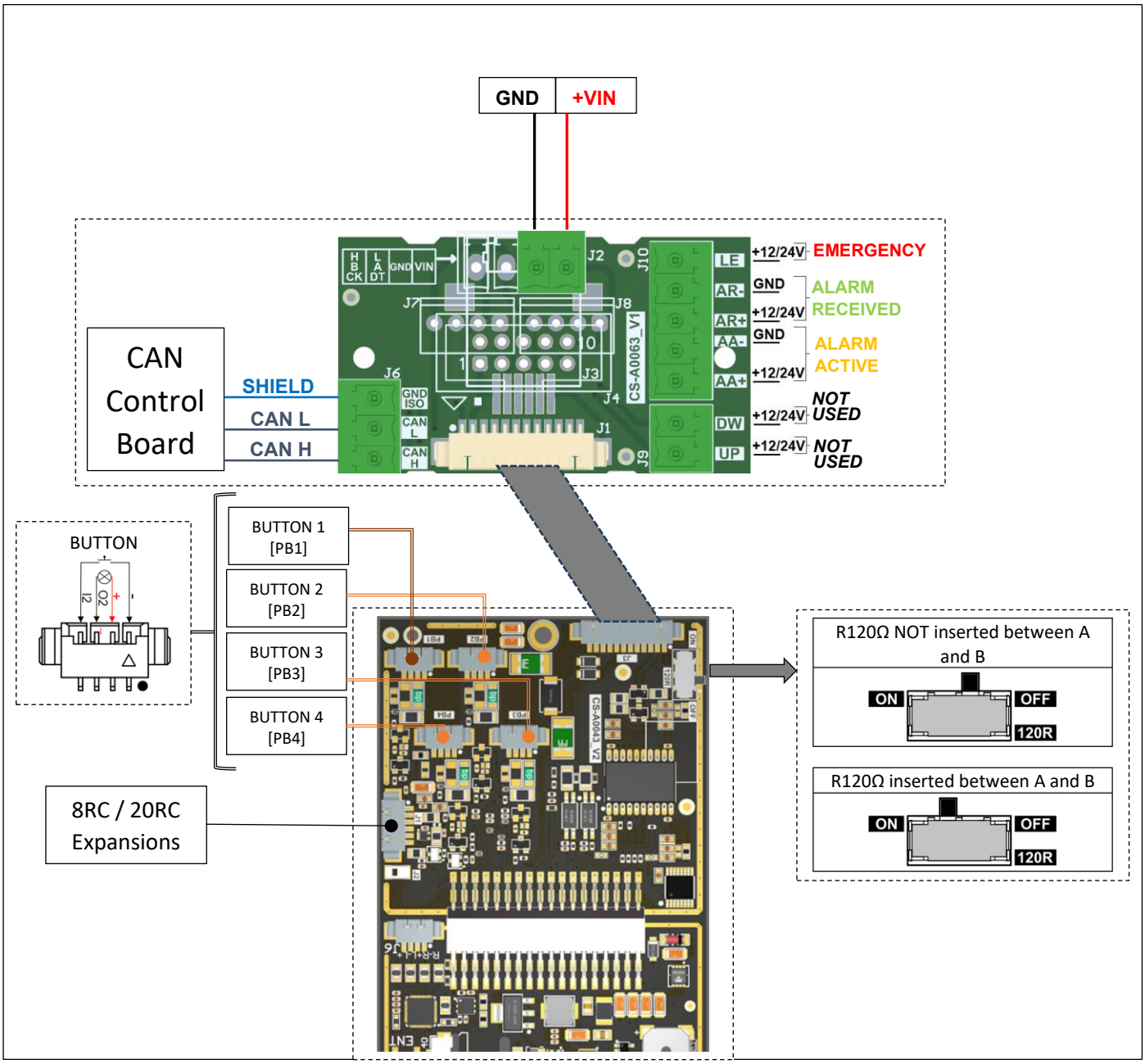


4.3 CAN (TFTXXXSM-SLIM-RF-RC-CAN)



IMPORTANT: If multiple devices are installed on the same serial bus, for proper communication the termination resistor must be enabled on the master device and ONLY on the last slave device. To enable the termination resistor on the TFT, set the "120R" switch to ON.

4.4 CAN ISO (TFTXXXSM-SLIM-RF-RC-CI)



IMPORTANT: If multiple devices are installed on the same serial bus, for proper communication the termination resistor must be enabled on the master device and ONLY on the last slave device. To enable the termination resistor on the TFT, set the "120R" switch to ON.

4.5 CALL COLLECTION

In the models listed below, which are already equipped with 4 call buttons (PB1, PB2, PB3, PB4), it is possible to expand the number of call buttons:

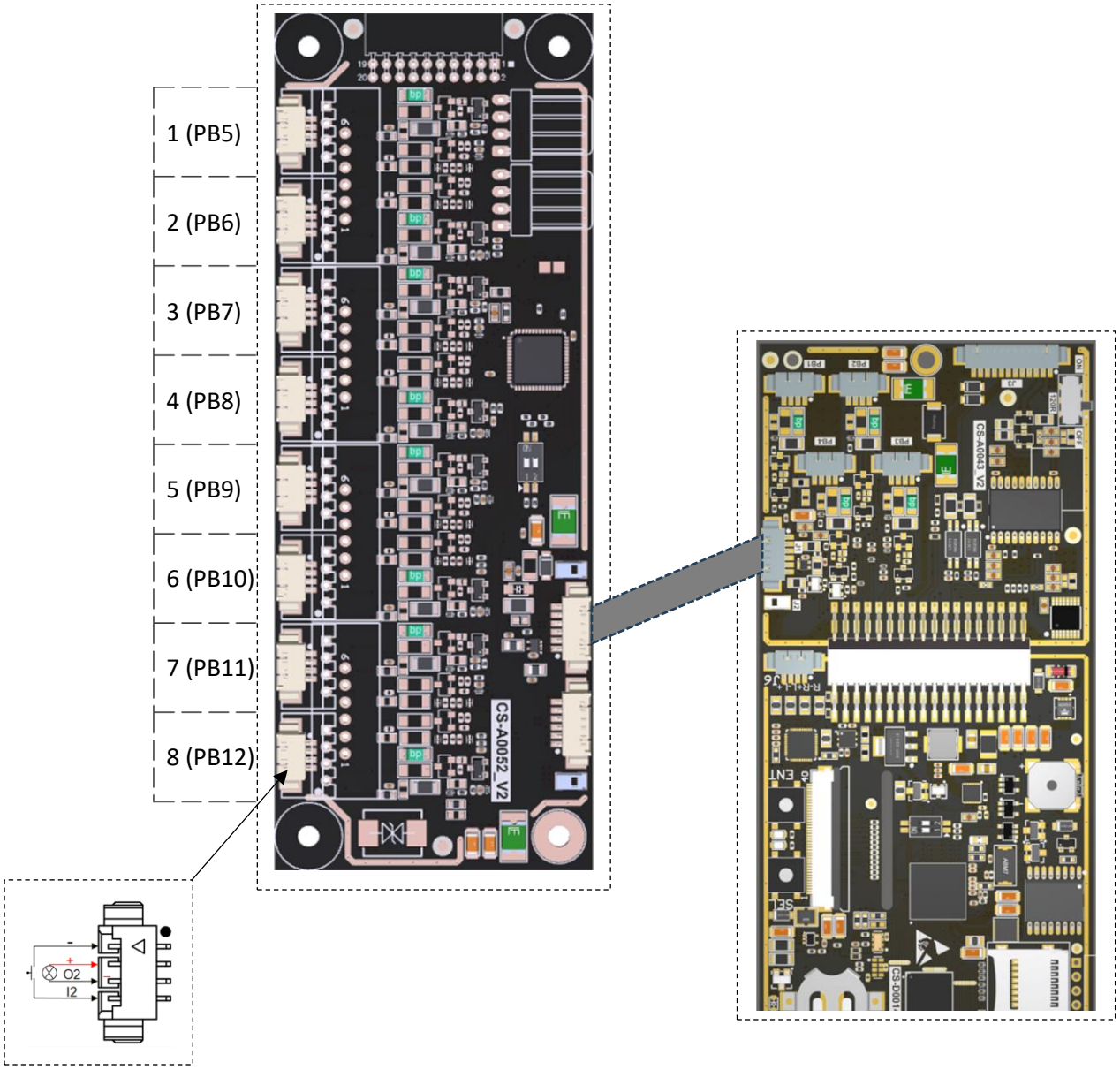
- TFTXXXSM-SLIM-RF-RC-SER
- TFTXXXSM-SLIM-RF-RC-485
- TFTXXXSM-SLIM-RF-RC-CAN
- TFTXXXSM-SLIM-RF-RC-CI

The addition of further call-collection buttons is possible by connecting one (and only one) of the following expansion boards:

- **8RC Expansion:**
  - Allows the management of 8 additional call-collection buttons. A total of 12 call-collection buttons will be available (4 + 8).
- **20RC Expansion:**
  - Allows the management of 20 additional call-collection buttons. A total of 24 call-collection buttons will be available (20 + 4).

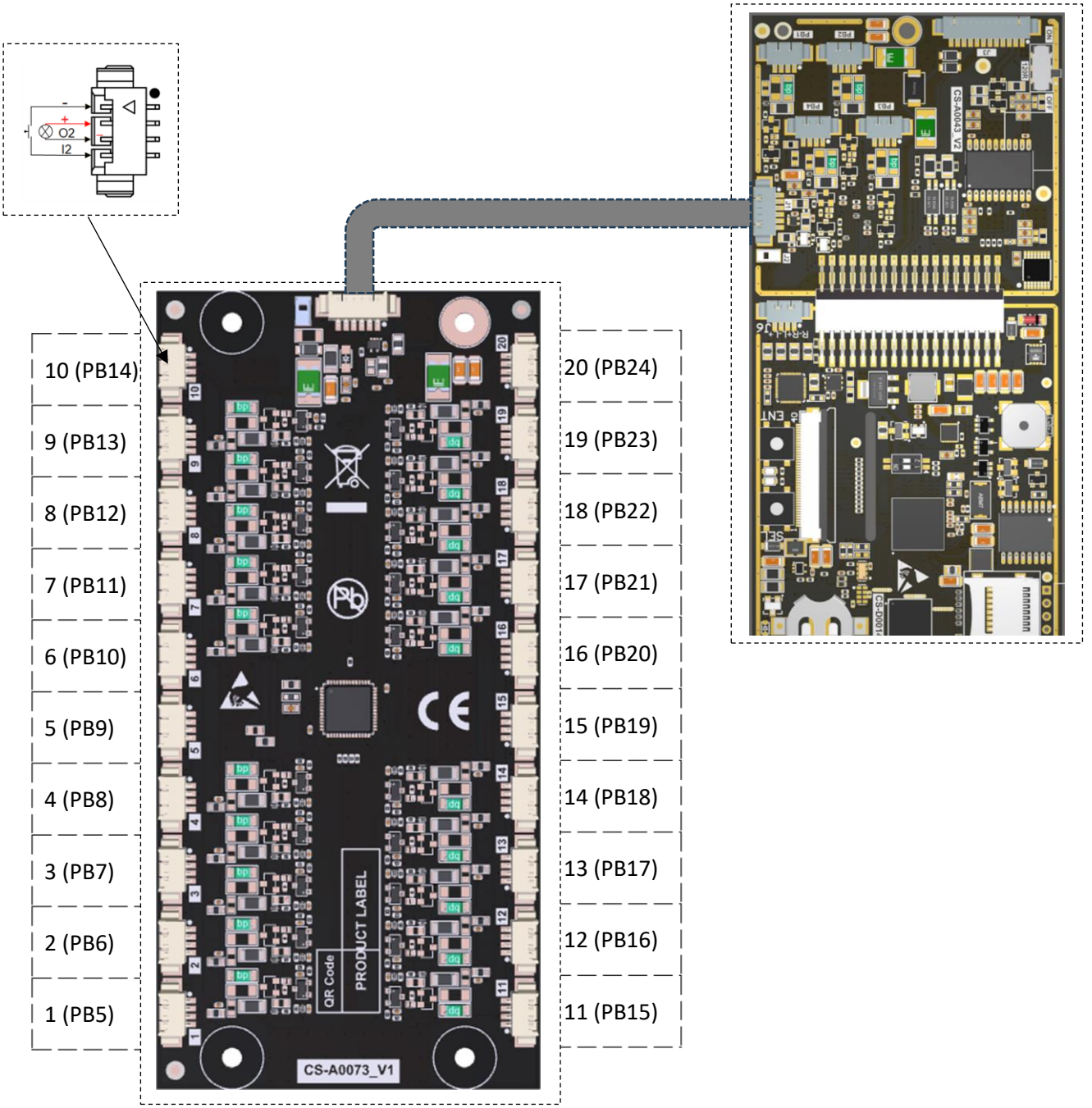
The expansion boards must be connected or disconnected only when the board is not powered; otherwise, there is a risk of damaging the expansion itself.

4.5.1 8RC EXPANSION



The expansion board must be connected or disconnected only when the board is not powered; otherwise, there is a risk of damaging the expansion itself.

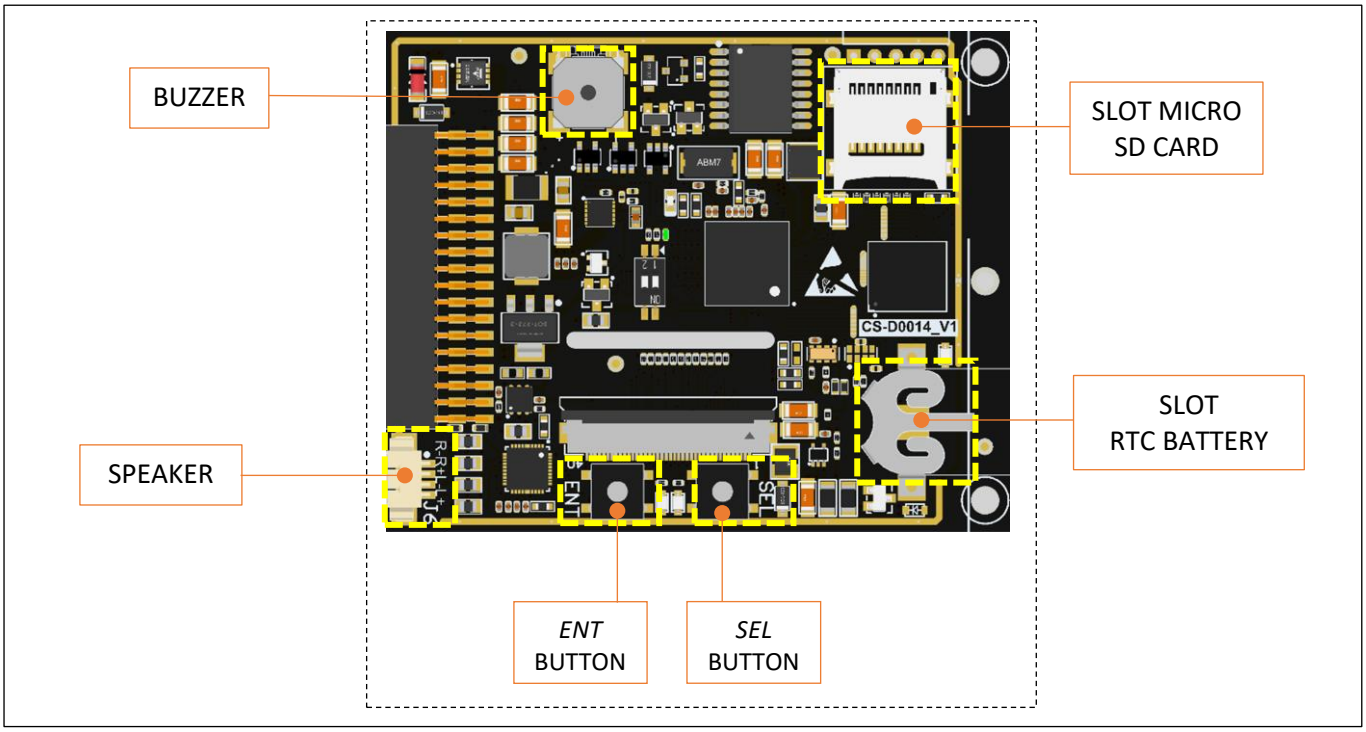
4.5.2 20RC EXPANSION



The expansion board must be connected or disconnected only when the board is not powered; otherwise, there is a risk of damaging the expansion itself.

5 DISPLAY ELEMENTS DESCRIPTION

The various elements of the CPU board are listed below:



6 PROGRAMMING MENU

Use the two buttons, ENTER **(ENT)** and SELECT **(SEL)**, located on the back of the device to enter and navigate the programming menu.

Press and hold the **ENT button** for 2 sec	⇨	Enters the menu.
Press the **ENT button**	⇨	Confirms the selection.
Press the **SEL button**	⇨	Scrolls through the values.

1. Mode & Project	1.1 Import Project	
	1.2 Set Mode	
	1.3 Address	
	1.4 Serial Parameters	1.4.1 CAN Address
		1.4.2 Lift App
		1.4.3 Lift Number
		1.4.4 Door Number
		1.4.5 Floor Stop Time*
	1.5 Special Functions	1.5.1 Fire Service (Lobby)*
		1.5.2 Passing chime*
		1.5.3 Separate Gong & Trigger*
		1.5.4 Emergency Lowering*
		1.5.5 Additional Function*
		1.5.6 Project Default*
		1.5.7 Tones associated with arrows*
		1.5.8 Delay between gong and floor*
	1.7 Double Project	1.7.1 Import Double Project
		1.7.2 Select Current Project
	1.8 Flip Screen	

2. Floor Symbols	2.1 Set first floor	
	2.3 Edit Symbols	
	2.4 Acquisition	

4. Options	4.1 Slideshow	
	4.2 Input Debounce	
	4.3 Set Arrows	4.3.1 Arrow Animation Mode
		4.3.2 Show arrows
		4.3.3 Arrows blinking
		4.3.4 Spinner Arrow Speed
	4.4 Polarity	4.4.1 Input Polarity
		4.4.2 Arrows Polarity

	4.5 Alternation	4.5.1 Alternation	
		4.5.2 Floor Time	
		4.5.3 Arrow Time	
	4.6 Set Logo	4.6.1 Custom Logo	
		4.6.2 Standby Logo	
	4.7 Set Alarms	4.7.1 Alarms Blinking	
		4.7.2 Set Alarm Priority	
		4.7.3 Audio loop time	
	4.8 Audio	4.8.1 Doors Messages	
		4.8.2 Beep Button	
	4.9 Key Management	4.9.1 Key Number	
		4.9.2 Input Acquisition	
		4.9.3 Settings Reset	
	4.10 Input mapping		
	4.11 Call Collecting		

5. System	5.1 Time & Date	5.1.1 Time & Date	
		5.1.2 Time Zone	
	5.2 Menu Language		
	5.3 Volume	5.3.1 Messages Volume	
		5.3.2 Music Volume	
		5.3.3 Buzzer Volume	
		5.3.4 Night Mode	5.3.4.1 Messages Volume
			5.3.4.2 Music Volume
			5.3.4.3 Buzzer Volume*
			5.3.4.4 Start Time
			5.3.4.5 End Time
			5.3.4.6 Enable / Disable
	5.4 Standby		
	5.8 Brightness		
	5.9 Update Secondary Firmware		

*NOT USED

6.1 MENU 1: MODE & PROJECT

Through the submenus, the user can import the graphic project from Micro SD Card, or change various display settings.

6.1.1 MENU 1.1: IMPORT PROJECT

Through this menu it is possible to start the import of the graphic project on the TFT from **Micro SD Card**. When the graphic project has been imported, the text "DONE" is shown and the TFT automatically reboots.

Refer to chapter **"9 CREATING AND EXPORTING PROJECTS"** for the export of the graphic project and for the correct use of the Micro SD Card.

Important notes:

- Use the Vega **"Sirio Editor"** software to create, edit, and export the project files to the Micro SD card. The download link for "Sirio Editor" is provided on the first page of this manual.
- In menu "1.1 IMPORT PROJECT" it is possible to select the project number to be imported. By default, the Sirio Editor exports **project "0"**.
- In the "Audio Language" option, select **"From project"** to load the audio language set in the graphic project. If an audio language not configured in the Sirio Editor project is selected, no audio files for that language will be played after importing the graphic project.
- The second audio language, if configured in the Sirio Editor graphic project, is automatically loaded during the graphic project import.

The following table shows the items in the "1.1 IMPORT PROJECT" menu, and the interactions that can be made on each item using the "SEL" and "ENT" buttons on the TFT.

	1.1 IMPORT PROJECT	
a)	**Project**	SEL: Select project number (0: default)
		ENT: Confirm selection
b)	**Audio Language**	SEL: Select audio language
		ENT: Confirm selection
c)	**Start Update**	SEL: Scroll to "Cancel"
		ENT: **Start updating the graphic project**
d)	**Cancel**	SEL: Return to "Project"
		ENT: **Exit the menu**

To import the graphic project, if there are no specific requirements for the project number or the audio language selection, simply enter the "1.1 IMPORT PROJECT" menu and press the "ENT" button three times in a row to start the graphic project update.
This effectively confirms the default settings for the "Project" and "Language" options and initiates the import of the graphic project.

6.1.2 MENU 1.2: SET MODE

Select the operating mode, i.e. the mode of communication between the display and the control board/encoder.

6.1.3 MENU 1.3: ADDRESS

Configure the parameter according to the following table.

WORKING MODE	INSTALLATION	ADDRESS
1 WIRE	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		7 = Top floor address
	CAR	0
		1 = 1-tone/2-tones function (all floors)
BINARY INV. BINARY GRAY	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		63 = Top floor address
	CAR	0
		1 = 1-tone/2-tone function (all floors)
BCD	FLOOR	0 = Bottom Floor
		1 = Next floor
		…
		19 = Top floor address
	CAR	0
		1 = 1-tone/2-tone function (all floors)
Serial V	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		…
		63= Top floor address
	CAR	0
CAN OPEN 125/250	CAR	0
	FLOOR	1 = Bottom floor
		2= Next floor
		…
		…
		64= Top floor address

6.1.4 MENU 1.4: SERIAL PARAMETERS

MENU 1.4.1: CAN ADDRESS

Set the node ID (restart the display after setting it).

MENU 1.4.2: LIFT APP

Allows activating a filter for alarms, messages, and floor indicators (0 = receive all, 1 = messages for ELEVATOR 1 only, 2 = messages for ELEVATOR 2 only, etc.).

MENU 1.4.3: Lift number
Allows selecting the elevator identification number.

MENU 1.4.4: Door number
Allows selecting the type of ports to use.

MENU 1.4.5: Floor Stop Time
Not used.

6.1.5 MENU 1.5: SPECIAL FUNCTIONS

MENU 1.5.1: Fire Service (Lobby)
Not used.

MENU 1.5.2: Passing chime
Not used.

MENU 1.5.3: Separate Gong & Triggers
Not used.

MENU 1.5.4: Emergency Lowering
Not used.

MENU 1.5.5: Additional Function
Not used.

MENU 1.5.6: Project default
Not used.

MENU 1.5.7: Tones associated with arrows
Not used.

MENU 1.5.8: Delay between gong and floor
Not used.

6.1.6 MENU 1.7: DOUBLE PROJECT

MENU 1.7.1: Import Double Project
Allows importing two projects.

MENU 1.7.2: Select Current Project
Allows selecting and activating one of the two imported projects.

6.1.7 MENU 1.8: FLIP SCREEN
Allows flipping the current project while retaining all data. If the double project is set with one horizontal and the other vertical, using the flip function provides all four orientations.

6.2 MENU 2: FLOOR SYMBOLS

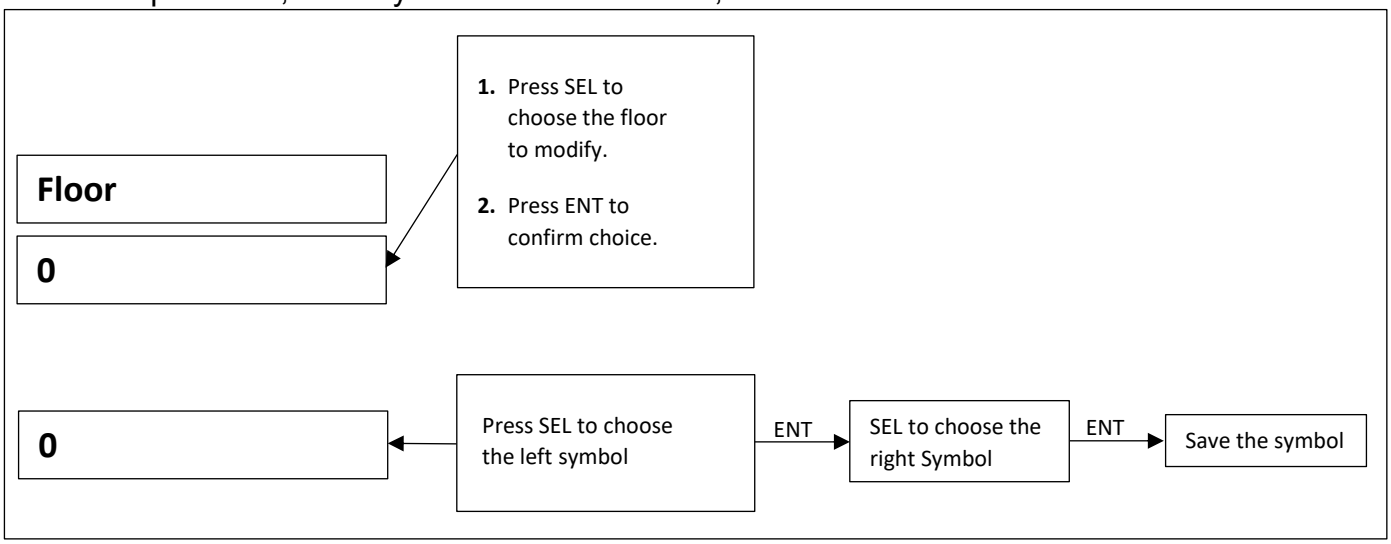
Through the following submenu, it is possible to modify the floor symbol setting.

6.2.1 MENU 2.1: SET FIRST FLOOR

For parallel modes, set the lowest floor of the system. The values of subsequent floors will be calculated automatically.

6.2.2 MENU 2.3: EDIT SYMBOLS

It is possible to modify the floor symbols.
For serial protocols, if the symbol is sent via serial, this function cannot be used.



6.2.3 MENU 2.4: ACQUISITION

Available only for RS485 OT operating mode, enables the function for managing the next-direction arrows on the floor.
- Bring the car to the display level to be acquired.
- Check that the number on the floor display corresponds to the real position of the car.
- Enter the 2.4 menu and select ENABLE.

Select DISABLE to reset the floor address.

6.3 MENU 4: OPTIONS

The user can change the following settings on the display via the submenus.

6.3.1 MENU 4.1: SLIDESHOW

SLIDESHOW = 0: default background image.
SLIDESHOW = 4-15: the background image changes every T seconds (where T equals the set value), showing all the images saved in the project in rotation.

6.3.2 MENU 4.2: INPUT DEBOUNCE

For parallel modes, it is possible to set the debounce time of the inputs [value in ms].

6.3.3 MENU 4.3: SET ARROWS

MENU 4.3.1: Arrow Animation Mode

The display uses as arrows the images loaded in the Sirio Editor software relating to: UP-DOWN ARROW / FRAMES.

FRAMES: Animation arrow with images and adding a blank image.

FIXED: Still image.

ROTATION: Arrow animation with images without adding a blank image.

MENU 4.3.2: Show arrows

Enable/Disable the display of arrows to all floors (optional in some protocols).

Used for Serial V mode only:
ENABLE: Displays movement arrows to all floors.
DISABLE: Direction arrows are disabled; The arrows are displayed only in the case of the next direction (menu 1.3 from 0 to 31).

MENU 4.3.3: Arrows blinking

Flashing time of the up/down arrow outputs (optional in some protocols).

MENU 4.3.4: Spinner Arrow Speed

Sets the duration of the circular arrow animation. It is the time to make a full 360-degree rotation.

0: Spinner arrow disabled
1: animation duration = 10 seconds
2: animation duration = 9 seconds
...
10: animation duration = 1 second

6.3.4 MENU 4.4: POLARITY

For parallel modes, it is possible to set the polarity of the floor inputs and the polarity of the arrow inputs. See chapter 3.1.

6.3.5 MENU 4.5: ALTERNATION

In special projects, where the direction arrow is positioned at the same location as the floor indicator, it is possible to alternate the display between the floor and the arrows.

MENU 4.5.1: Alternation

Enable/Disable function.

MENU 4.5.2: Floor Time

Set floor display time.

MENU 4.5.3: Arrow Time

Set arrow display time.

6.3.6 MENU 4.6: SET LOGO

MENU 4.6.1: Custom logo

It is possible to enable or disable the customer logo. To enable it, it must be active in the graphic project.

MENU 4.6.2: Standby Logo

Allows enabling or disabling the standby logo function. After a period of inactivity, the display remains with a fixed background (Setting up a "splash screen" image from Sirio Editor):
0 = Function deactivates (no image).
X = "Splash screen" after X minutes of inactivity.
Range = 0/1/2/3/4/5/10/15/30/60/120/180
NOTE: The time set in the "5.4 Standby" menu must be longer than the logo standby time.

6.3.7 MENU 4.7: SET ALARMS

MENU 4.7.1: Alarms blinking

Enable/Disable flashing alarms.

MENU 4.7.2: Set Alarm Priority

Enable/Disable Alarm Priority.

MENU 4.7.3: Audio loop time

Set voice prompt repeat frequency/buzzer.

6.3.8 MENU 4.8: AUDIO

MENU 4.8.1: Door Messages

Enable/Disable Message Ports.

MENU 4.8.2: Beep Button

Enable/Disable beep buttons.

6.3.9 MENU 4.9: KEY MANAGEMENT

MENU 4.9.1: Key Number

Set the number of keys (0-4). A value of "0" corresponds to no keys configured.
The key positions are fixed.
The keys are automatically assigned starting from the last call collection input, according to the call collection expansions present.

Examples:

1) TFTXXXSM-SLIM-RF-RC-485 (4 call collection inputs available). If, for example, 2 keys are configured, the keys will have the following positions:
   - Key 0 (KEY0) is assigned to input IN3 (PB4).
   - Key 1 (KEY1) is assigned to input IN2 (PB3).
2) TFTXXXSM-SLIM-RF-RC-485 + EXP-8RC (12 call collection inputs available). If, for example, 2 keys are configured, the keys will have the following positions:
   - Key 0 (KEY0) is assigned to input IN11 (PB12).
   - Key 1 (KEY1) is assigned to input IN10 (PB11).
3) TFTXXXSM-SLIM-RF-RC-485 + EXP-20RC (24 call collection inputs available). If, for example, 3 keys are configured, the keys will have the following positions:
   - Key 0 (KEY0) is placed on input IN23 [input "20" (PB24) of the EXP-24RC expansion].
   - Key 1 (KEY1) is placed on input IN22 [input "19" (PB23) of the EXP-24RC expansion].
   - Key 2 (KEY2) is placed on input IN21 [input "18" (PB22) of the EXP-24RC expansion].

MENU 4.9.2: Input Acquisition

View and set the key configuration.
Functioning description:

1) When entering this menu, the number of call collection buttons is detected and displayed based on the connected call collection expansions.
2) If no key is active, all the buttons' LEDs will be turned on.

3) When a key is activated, the buttons' LEDs are turned off. With the key active, press the buttons to be assigned under the key; the LEDs of the pressed buttons will turn on.
4) When deactivating the key(s), only the LEDs of the buttons that were not configured under a key will be turned on.

Note: To exit this screen, press and hold the **ENT** button for 2 seconds. Exiting the screen automatically saves the key configuration.

MENU 4.9.3: Settings Reset

Reset the key configuration and set the number of keys to 0.

6.3.10 MENU 4.10: INPUT MAPPING

This menu is used only in **Serial V** mode and assigns mappings to the call collection buttons according to the table below.

For example, setting the value 1 shifts inputs 15 (PCP) and 17 (PAP) to the first two inputs, thus shifting all other inputs forward by two.

Setting the menu to the values indicated below results in the following mappings:

VALUE	0	1	2	3
I/O	Funct.	Funct.	Funct.	Funct.
0 (PB1)	C0	PCP	PAP	PAP
1 (PB2)	C1	PAP	PCP	C10
2 (PB3)	C2	C0	C0	C0
3 (PB4)	C3	C1	C1	C1
EXP-8RC_1 / EXP-20-RC_1	C4	C2	C2	C2
EXP-8RC_2 / EXP-20-RC_2	C5	C3	C3	C3
EXP-8RC_3 / EXP-20-RC_3	C6	C4	C4	C4
EXP-8RC_4 / EXP-20-RC_4	C7	C5	C5	C5
EXP-8RC_5 / EXP-20-RC_5	C8	C6	C6	C6
EXP-8RC_6 / EXP-20-RC_6	C9	C7	C7	C7
EXP-8RC_7 / EXP-20-RC_7	C10	C8	C8	C8
EXP-8RC_8 / EXP-20-RC_8	C11	C9	C9	C9
EXP-20-RC_9	C12	C10	C12	C12
EXP-20-RC_10	C13	C11	C13	C13
EXP-20-RC_11	C14	C12	C14	C14
EXP-20-RC_12	PCP	C13	PCP	PCP
EXP-20-RC_13	C16	C14	C16	C16
EXP-20-RC_14	PAP	C16	PAP	PAP
EXP-20-RC_15	C18	C18	C18	C18
EXP-20-RC_16	C19	C19	C19	C19
EXP-20-RC_17	C20	C20	C20	C20
EXP-20-RC_18	C21	C21	C21	C21
EXP-20-RC_19	C22	C22	C22	C22
EXP-20-RC_20	C23	C23	C23	C23

6.3.11 MENU 4.11: CALL COLLECTING

This menu is used only in **Serial V mode** and allows enabling or disabling the management of the call collection buttons.

6.4 MENU 5: SYSTEM

The user can change the following settings on the display via the submenus.

6.4.1 MENU 5.1: TIME & DATE

MENU 5.1.1: Time & Date

Configure the time and date of the system.

MENU 5.1.2: Time zone

Time zone selection allows for automatic daylight saving time.
With the value "None" in this field, the time change remains manual.

IMPORTANT: The date and time can only be changed if they have already been activated in the project loaded on the display.

6.4.2 MENU 5.2: MENU LANGUAGE

It is possible to select the language of the programming menu.
En=English, It=Italian, De=German, Fr=French, Es=Spanish, Pt=Portuguese, Ru=Russian, Cz=Czech, Nl=Dutch.

6.4.3 MENU 5.3: VOLUME

MENU 5.3.1: Messages Volume

Configure the volume of floor and alarm messages:
0 = Audio disabled, **1** = Volume at minimum, ..., **10** = Volume at maximum.

MENU 5.3.2: Music Volume

Set the music volume:
0 = Audio disabled, **1** = Volume at minimum, ..., **10** = Volume at maximum.

MENU 5.3.3: Buzzer Volume

Configure the buzzer volume:
0 = Buzzer disabled, **1** = Volume at minimum, ..., **10** = Volume at maximum.

MENU 5.3.4: Night Mode

Set the night mode volume.

MENU 5.3.4.1: Messages Volume

Configure the volume of floor and alarm messages:
0 = Audio disabled, 1 = Volume at minimum, ..., 10 = Volume at maximum.

MENU 5.3.4.2: Music Volume

Set the music volume:
0 = Audio disabled, 1 = Volume at minimum, ..., 10 = Volume at maximum.

MENU 5.3.4.3: Buzzer Volume

Not used.

MENU 5.3.4.4: Start Time

Set the start time for night Mode.

MENU 5.3.4.5: End Time

Set the end time of night mode.

MENU 5.3.4.6: Enable / Disable

Turn on/off night mode.

6.4.4 MENU 5.4: STANDBY

Through this menu, it is possible to set the power saving mode (black screen).

0 = Power saving mode disabled;
5 = Power saving mode activated after 5 minutes of inactivity;
180 = Power saving mode activated after 180 minutes of inactivity.
Range= 1/2/3/4/5/10/30/60/120/180

6.4.5 MENU 5.8: BRIGHTNESS

Configure the display brightness:
10 = Minimum brightness, ..., **100** = Maximum brightness.
Range= 10/20/30/40/50/60/70/80/90/100

6.4.6 MENU 5.9: UPDATE SECONDARY FIRMWARE

Starts the secondary microcontroller firmware update via Micro SD Card.
Used for **Serial V mode** only (model: **TFTXXXSM-SLIM-RF-RC-SER**).

Important notes:

- The Micro SD Card must be formatted in FAT32.
- Inside the Micro SD Card there must be the firmware of the secondary microcontroller ("*vega_itftft.bin*" file).

The following table shows the items in the "5.9 UPDATE SECONDARY FIRMWARE" menu, and the interactions that can be made on each item via the "SEL" and "ENT" buttons on the TFT.

	5.9 UPDATE SECONDARY FIRMWARE	
a)	**Start Update**	SEL: Scrolls to "Cancel"
		ENT: **Starts secondary firmware update**
b)	**Cancel**	SEL: Returns to "Start Update"
		ENT: **Exit the menu**

During the update, which takes about 15 seconds, the following messages will be displayed on the TFT screen:

```
UPDATING
2nd update: 1-1
…
…
…
2nd update: done
```

After the firmware update is complete, i.e. after the message **"2nd update: done"** appears, the TFT performs a reboot. After rebooting, it is possible to check the firmware version of the microcontroller by accessing the TFT menu by pressing the ENT button for 2 seconds.
At the bottom right, next to the wording "5-SV-0", the firmware version of the secondary microcontroller is displayed in round brackets. Example: **5-SV-0 (v.0.1)**

7 CANOPEN BASIC SETTINGS

1. Select the communication protocol:
   - 1 MODE&PROJECT → 1.2 SET MODE → CANOPEN 125 (baud rate 125 kb/sec)
   - 1 MODE&PROJECT → 1.2 SET MODE → CANOPEN 250 (baud rate 250 kb/sec)
2. Select the device ID:
   - 1.4 SERIAL PARAMETERS → 1.4.1 CAN ADDRESS

   Normally, addresses 16-20 are reserved for car devices, > 20 for landing (floor) devices;
3. Select the address of the device on the elevator:
   - 1.3 ADDRESS

   0 is the car display, 1 is the lowest floor, 2 is the next floor, etc. These settings can be changed from the Serial controller.

8 AUDIO, VOICE SYNTHESIS

The display can play floor announcements and alarm messages.
Audio files must be added to the graphic project using the Sirio Editor software (see chapter 9).

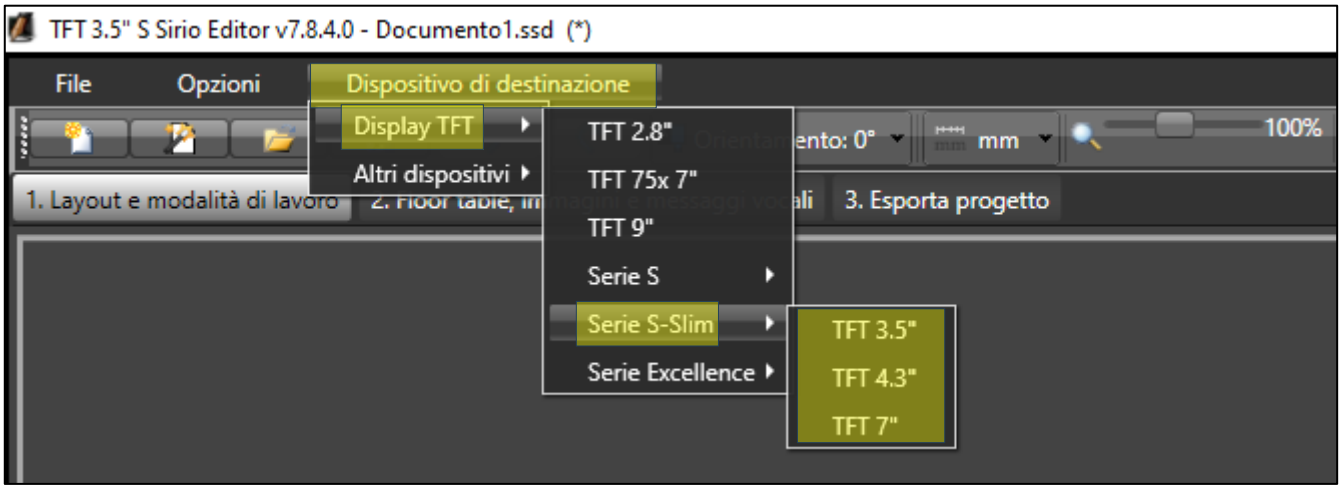
9 CREATING AND EXPORTING PROJECTS

Using the Sirio Editor PC software, it is possible to modify floor symbols, arrows, alarms (symbol font and colour, descriptions, icons, and audio messages), and background images.

From a computer

- Create the project by selecting the display (TFT 3.5", TFT 4.3" or TFT 7") in the **S-Slim Series** category.

  Target Device → TFT Display → S-Slim Series:
  - TFT 3.5"
  - TFT 4.3"
  - TFT 7"



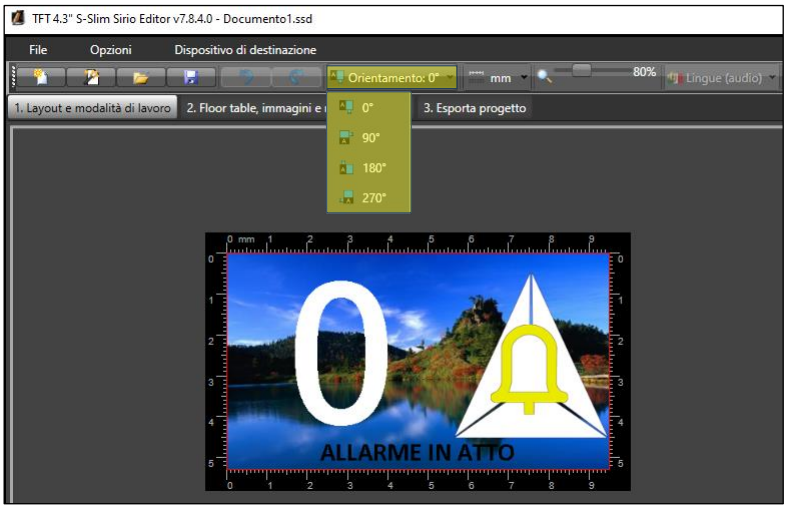
- Once the project is complete, export it from page **"3. Export project"** to a **Micro SD Card** formatted in **FAT32**.

IMPORT INTO THE DISPLAY VIA SD CARD:

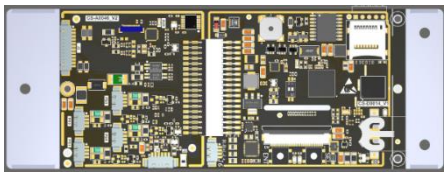
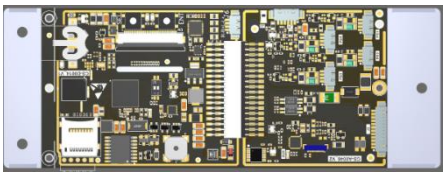
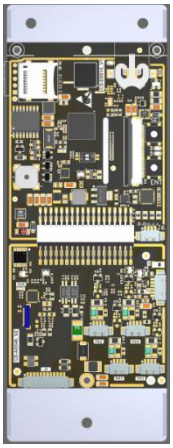
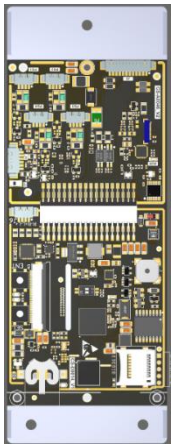
- Power off the display.
- Insert the Micro SD Card.
- Power on the display.
- Access the "1.1 Import project" menu (paragraph 6.1.1) and start loading the graphic project.
- Wait for the graphic project to load. Once the loading is complete, the display will show **"DONE"** and then automatically restart. After the restart, the display will launch with the new graphic project.
- **IMPORTANT:** The Micro SD Card can be removed after the graphic project has been loaded (after powering off the display).

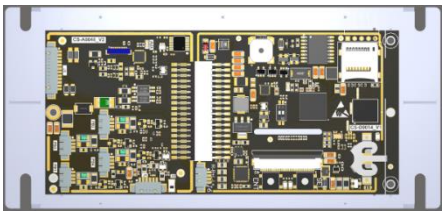
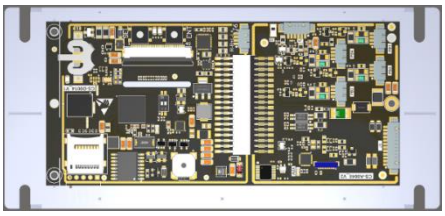
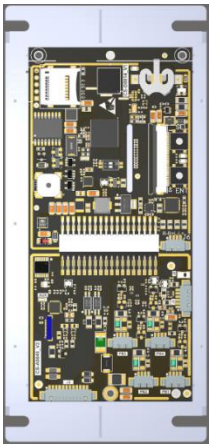
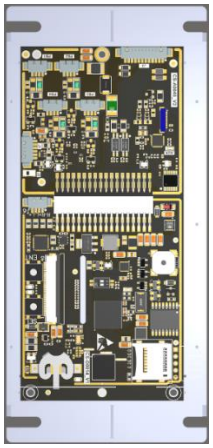
DISPLAY ORIENTATION:

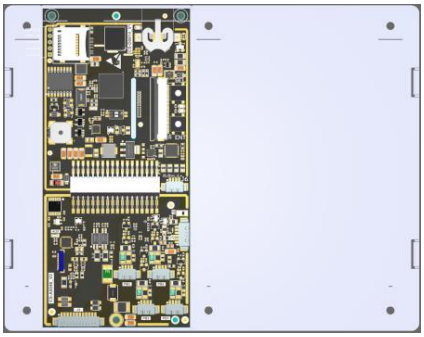
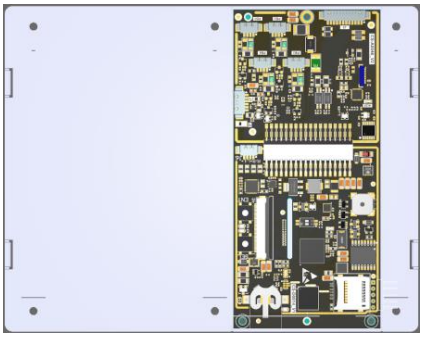
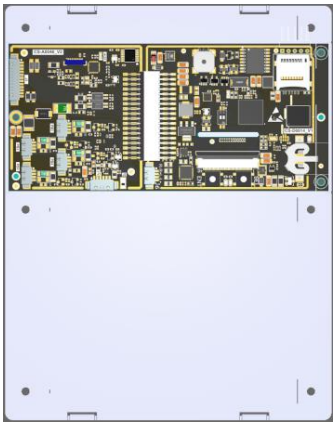
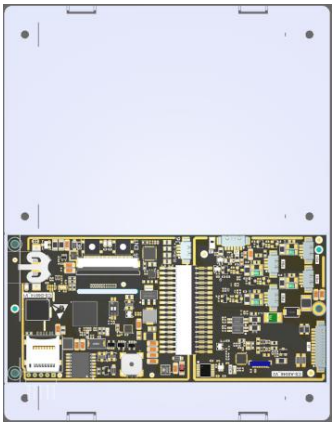
One of the available options when creating the project is the choice of the display orientation:



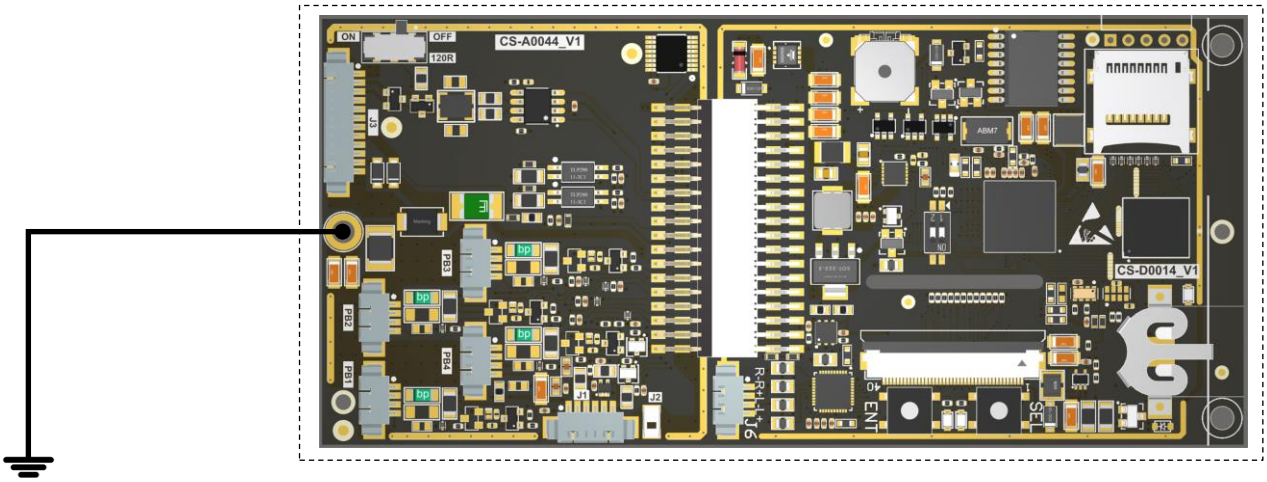
Below are the orientations (0°, 90°, 180°, 270°) for each TFT format (3.5", 4.3", 7").

TFT350SM-SLIM-RF ORIENTATIONS		
Horizontal	**Orientation 0°**	**180° orientation**
		
Vertical	**90° Orientation**	**270° Orientation**
		

TFT430SM-SLIM-RF ORIENTATIONS		
Horizontal	**Orientation 0°**	**180° orientation**
		
Vertical	**90° Orientation**	**270° Orientation**
		

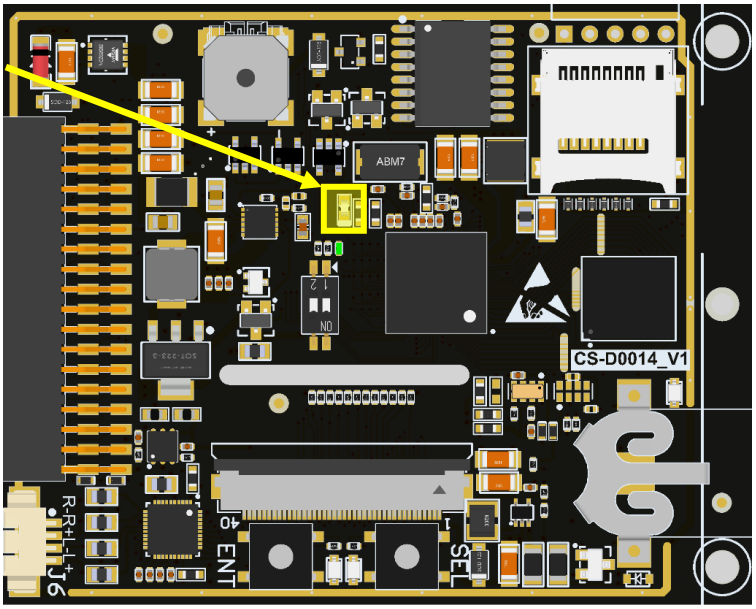
TFT700SM-SLIM-RF ORIENTATIONS		
Horizontal	**Orientation 0°**	**180° orientation**
		
Vertical	**90° Orientation**	**270° Orientation**
		

If the device is installed on a metal plate, it is recommended to connect it to the grounding system.



10 DIAGNOSTIC LED

A diagnostic LED is present on the CPU board, as shown in the image below:



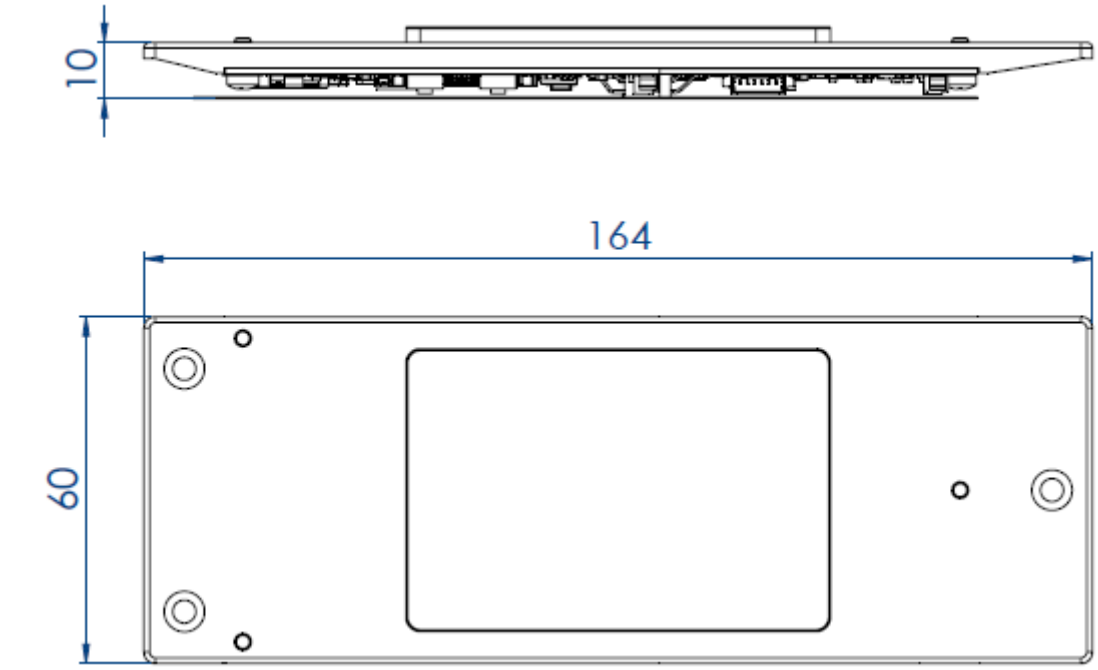
LED	STATUS	DESCRIPTION
MCU	OFF	No communication
	ON	At least one input active (for parallel modes)
	Fast blinking	Serial Communication OK
	Slow blinking	Invalid serial communication

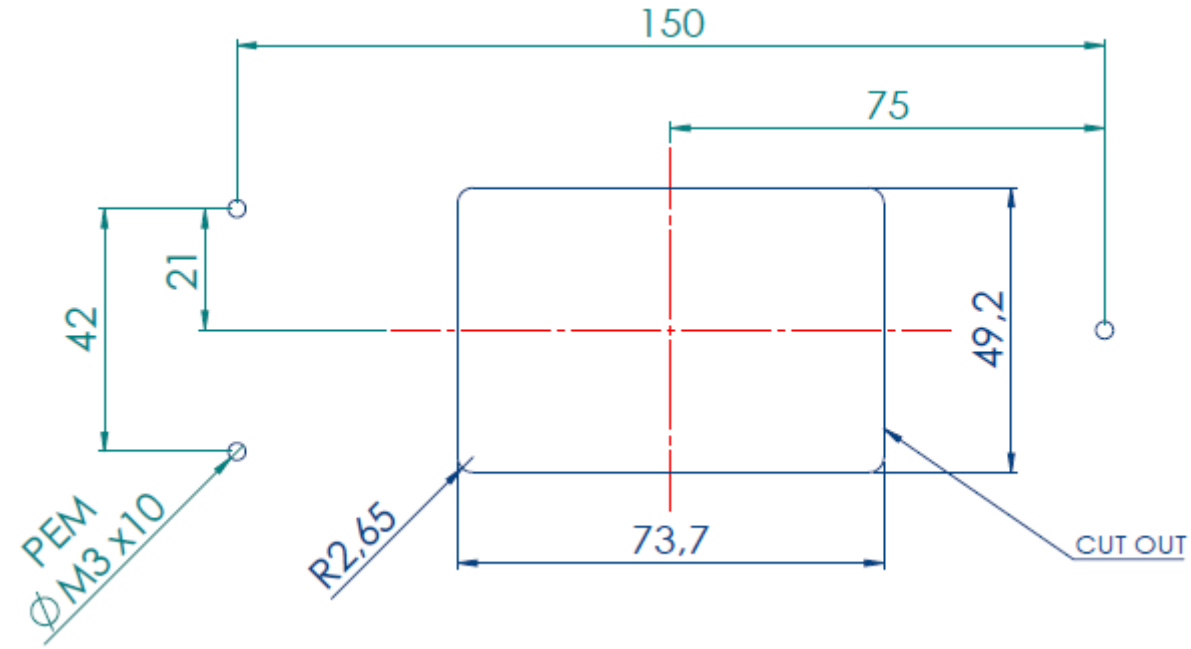
Note: When updating the firmware via Micro SD Card, the LED blinks quickly.

11 DIMENSIONS

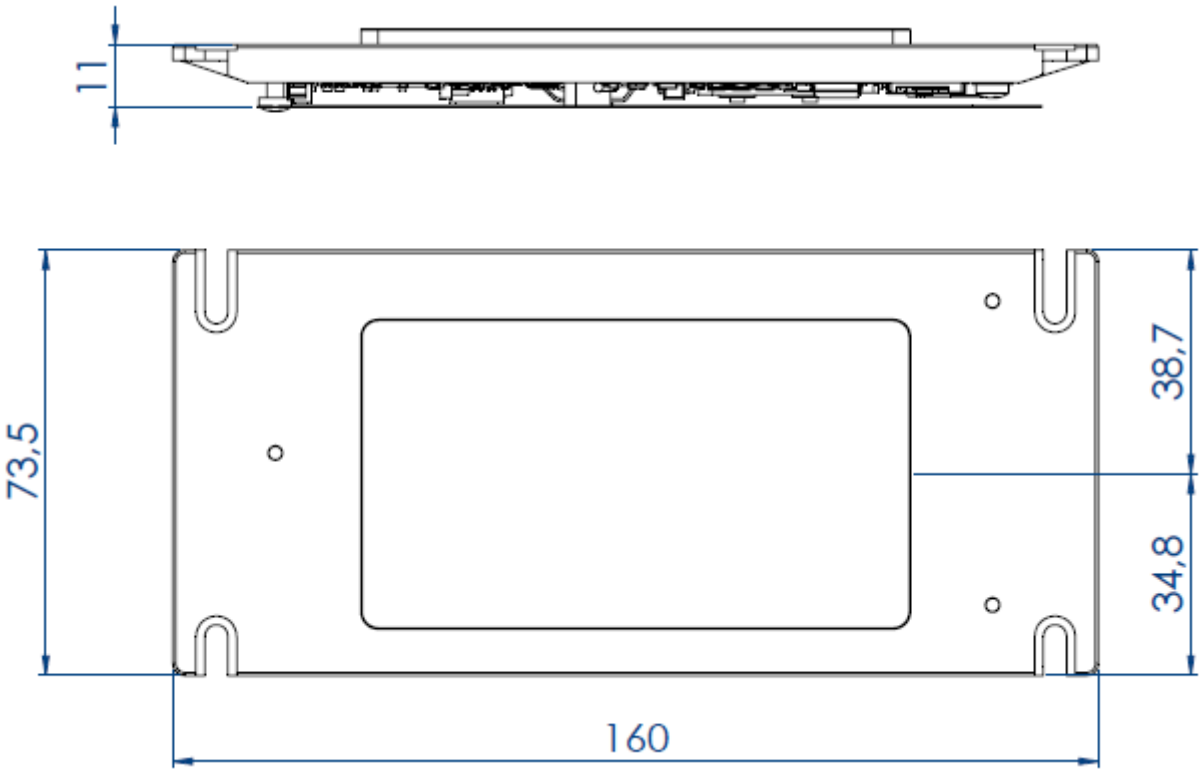
This section shows the dimensions relating to the overall dimensions and cutouts of the various TFTs.
Dimensions are expressed in [mm].

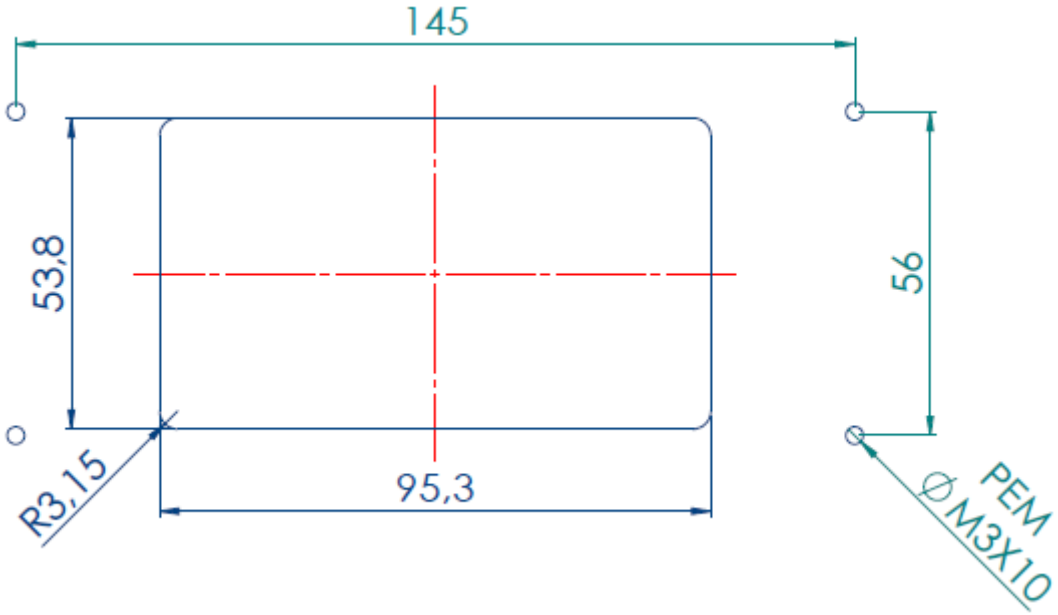
11.1 TFT350SM-SLIM-RF DIMENSIONS



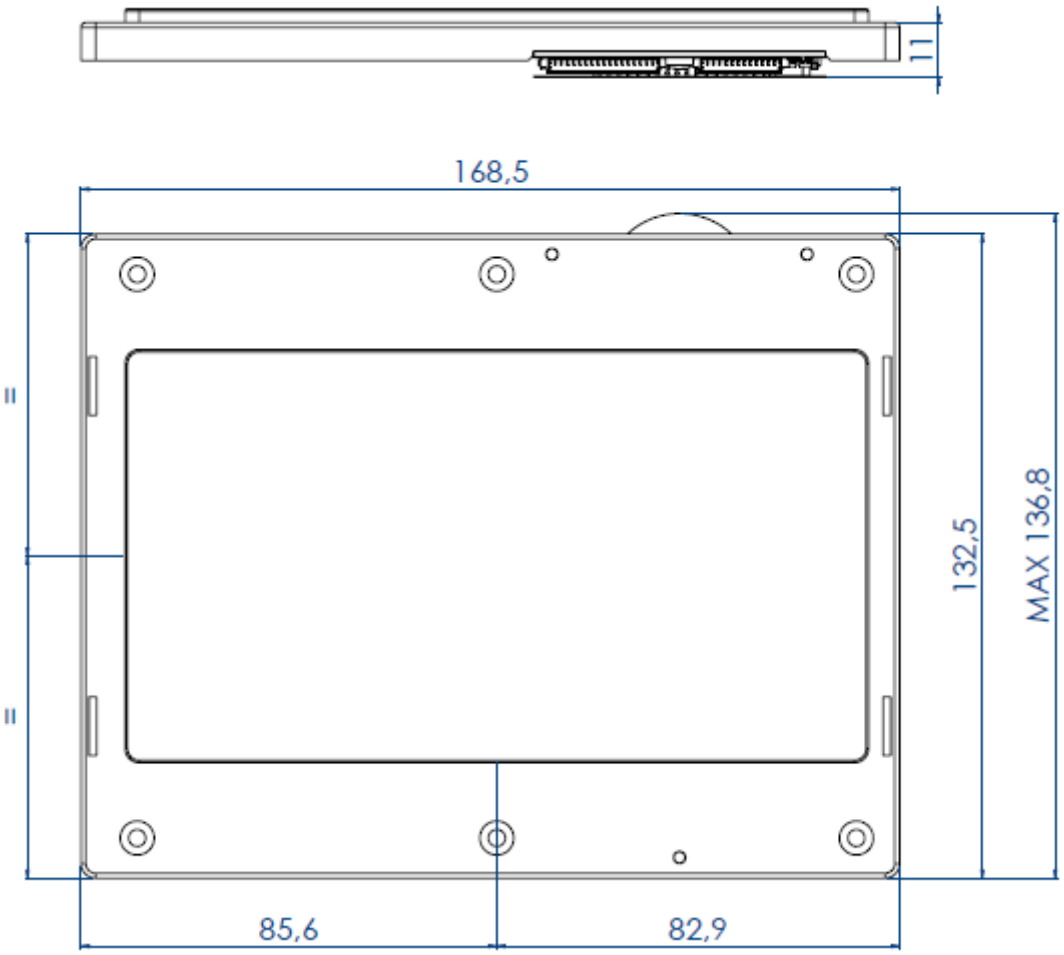


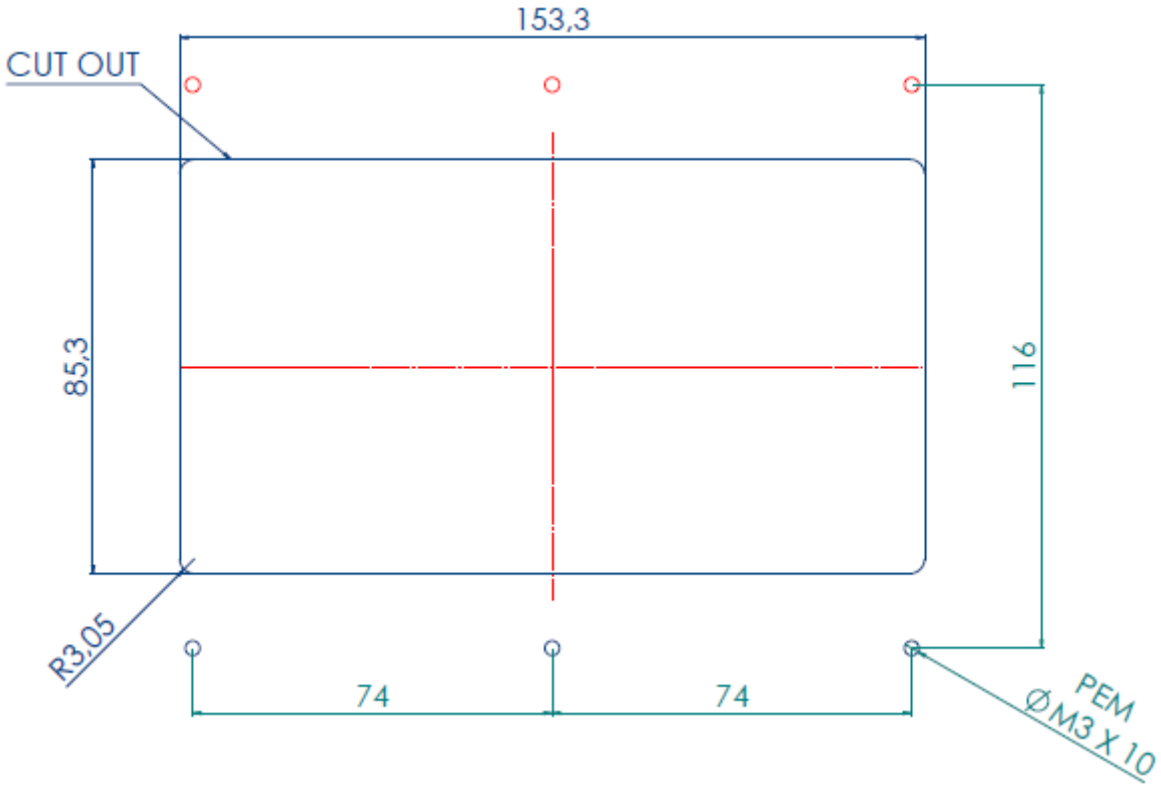
11.2 TFT430SM-SLIM-RF DIMENSIONS





11.3 TFT700SM-SLIM-RF DIMENSIONS





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