VERTICAL CONTROLS

VC BOARDS V10

VC S1401B

Connectors description

Connector I1:

1	N2
2	N1
3	ACC
4	LTB

Connector I2:

1	AUTO
2	CLOSE DOOR
3	INS DN
4	INS UP
5	OPEN DOOR
6	CALL CANCEL
7	FULL
8	OVER

Connector I3:

1	
2	
3	
4	CAR STOP PULL BUTTON
5	
6	
7	
8	

Connector I4:

1	DOOR OPEN LIMIT 1
2	DOOR CLOSE LIMIT 1
3	DZ1
4	DOOR EDGE1
5	DOOR OPEN LIMIT 2
6	DOOR CLOSE LIMIT 2
7	DZ2
8	DOOR EDGE2

Connector I5:

1	CAR CALL0
2	CAR CALL1
3	CAR CALL2
4	CAR CALL3

Connector I6:

1	CAR CALL4
2	CAR CALL5
3	CAR CALL6
4	CAR CALL7

Connector OUT1:

1	DOOR RELAY COMMON1
2	OPEN DOOR SIGNAL1
3	CLOSE DOOR SIGNAL1
4	JOG1

Connector OUT2:

1	DOOR RELAY COMMON2
2	OPEN DOOR SIGNAL2
3	CLOSE DOOR SIGNAL2
4	JOG2

Connector OUT3:

1	FIRE LIGHT
2	DOOR ZONE

Connector OUT4:

1	BIN0
2	BIN1
3	BIN2
4	BIN3
5	LIGHT
6	FAN
7	ARROW UP
8	ARROW DN

Connector CAN:

1	CAN H
2	CAN L
3	SCREEN
4	CAN H
5	CAN L
6	SCREEN

DIP SW D1:

1	ENABLE CAR CALL ERASE
2	SECOND ACCESS INDEPENDENT

Connector S1:

1	0 VDC
2	+24VDC
3	0 VDC
4	+24VDC

VC S0500D
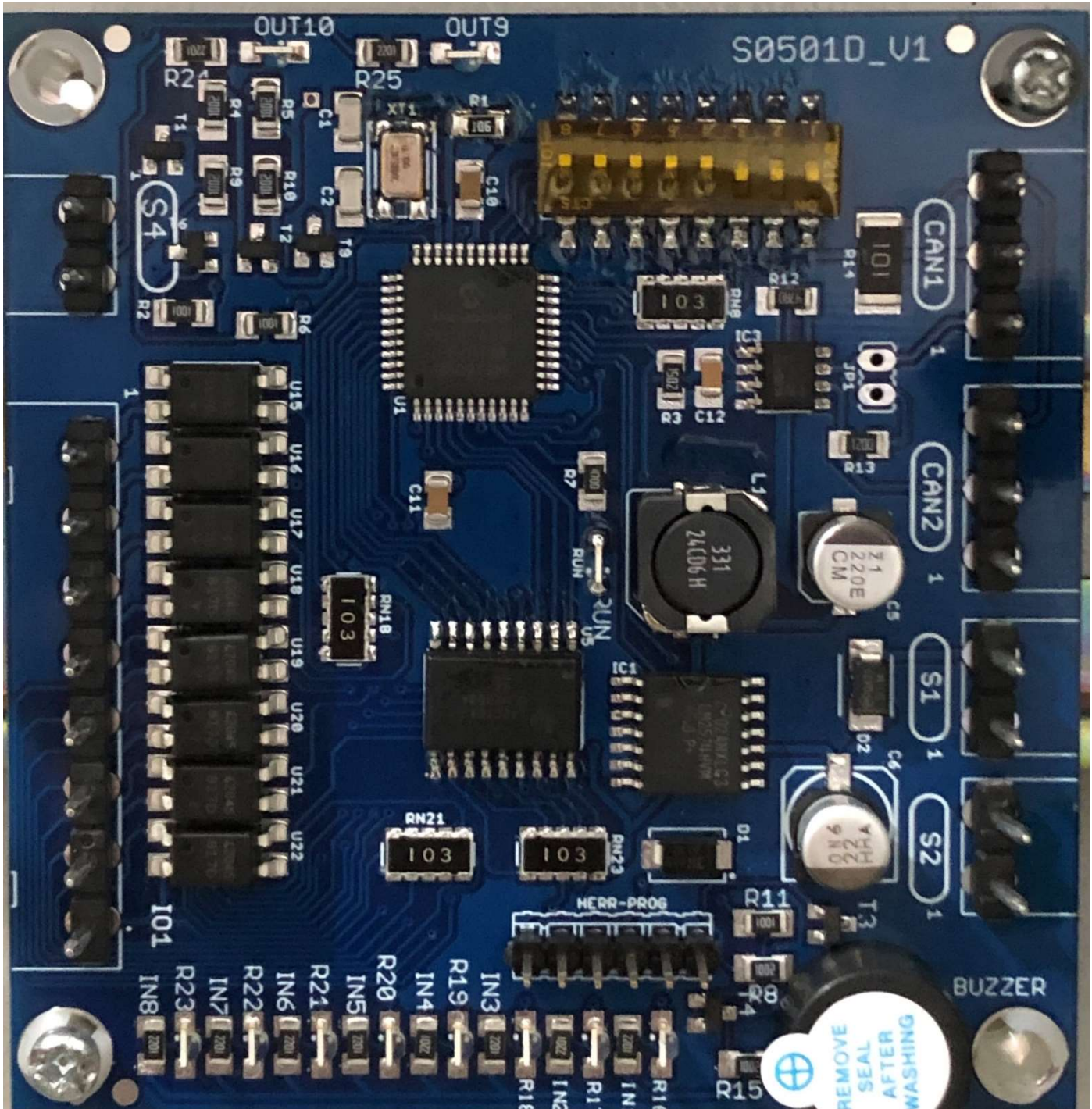
Connectors description

Connector CAN: CAN1 AND CAN 2

1	CAN H
2	CAN L
3	SCREEN

ConnectorS1:

1	0 VDC
2	+24 VDC

Connector IO

1	Call 0
2	Call 1
3	Call 2
4	Call 3
5	Call 4
6	Call 5
7	Call 6
8	Call 7

DIP SW

1	Address 0
2	Address 1
3	Landing =0/Car = 1
4	Down = 0/Up = 1(Landing)
5	Second access (Car)
6	Gong enable = 1
7	Car Calls or Car switches
8	Double access independent

VC S1301D
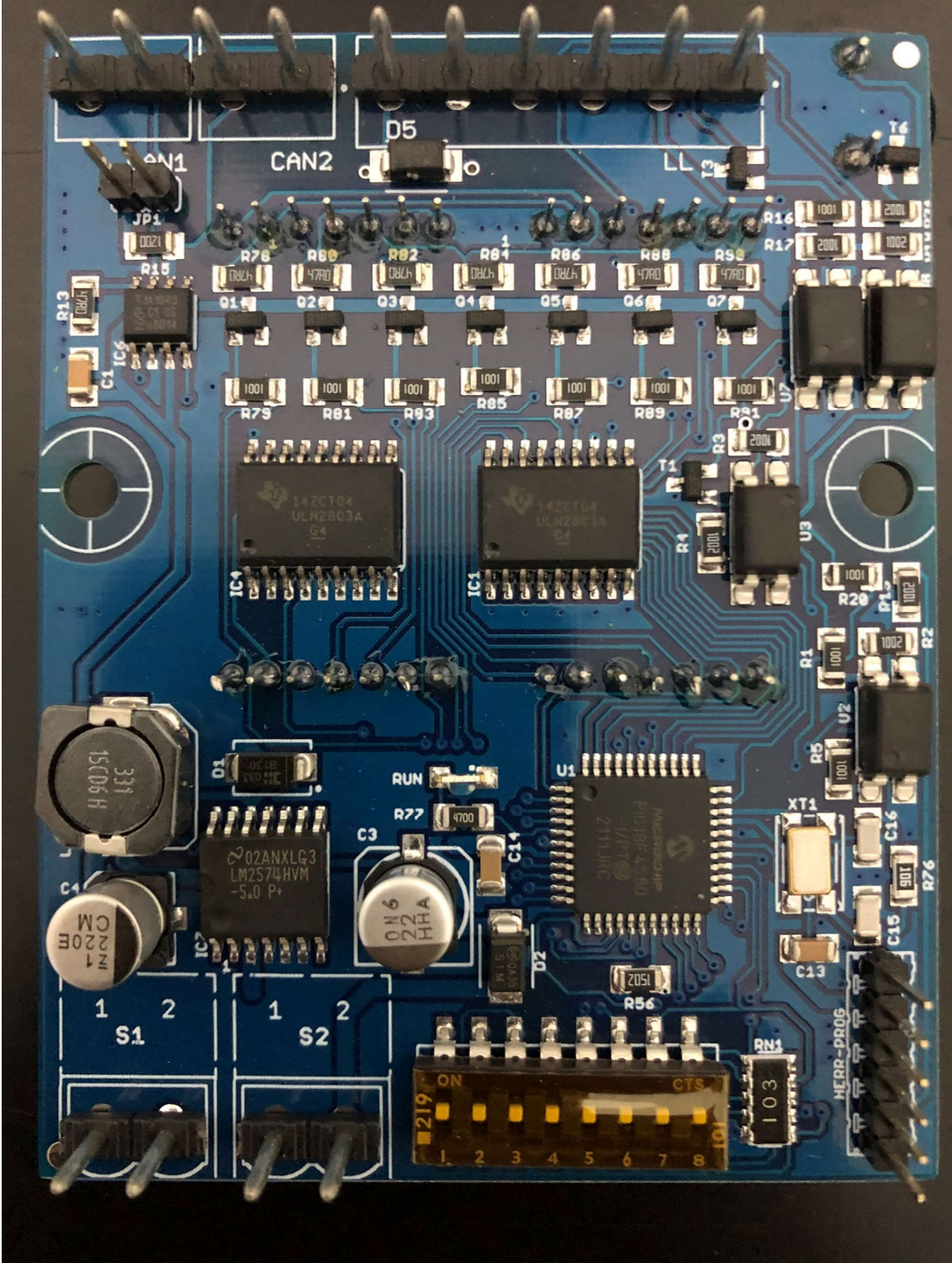
Connectors description
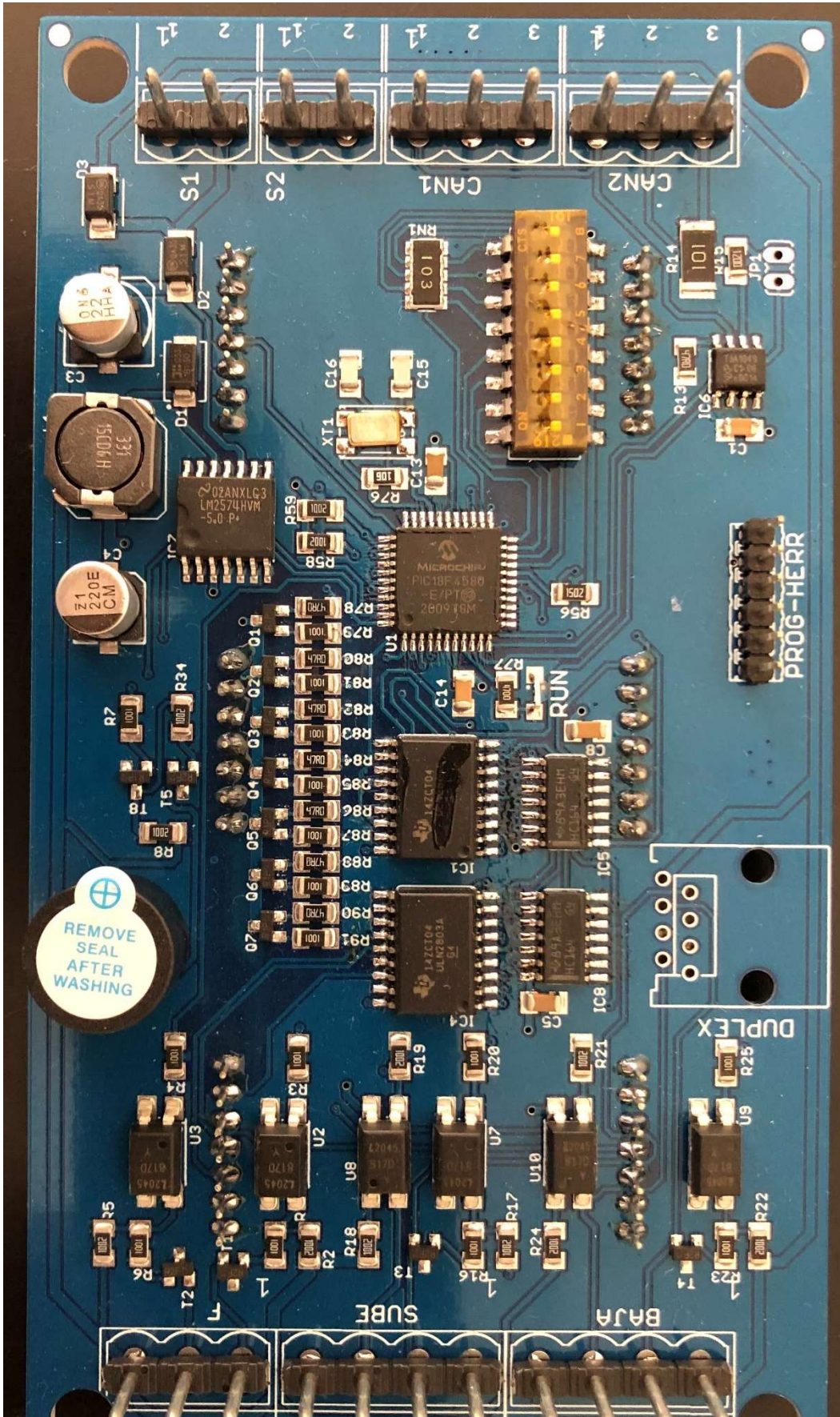
Connector CAN: CAN1 AND CAN2

1	CAN H
2	CAN L

LL

1	GND
2	Call DN
3	LIGHT DN
4	Call UP
5	LIGHT UP
6	+24VDC

DIP SW

1	Address 0
2	Address 1
3	Address 2
4	Address 3
5	Address 4
6	Second access
7	Independent access
8	Car PI

VC S0301D

Connectors description

Connector BAJA: DN

1	0 VDC
2	DW register
3	DW call
4	+24 VDC

Connector SUBE: UP

1	0 VDC
2	UP register
3	UP call
4	+24 VDC

Connector F:

1	Arrow down
2	Arrow up
3	+24 VDC

Connector CAN2:

1	CAN H
2	CAN L
3	SCREEN

Connector CAN1:

1	CAN H
2	CAN L
3	SCREEN

Connector S2:

1	0 VDC
2	+24 VDC

Connector S1:

1	0 VDC
2	+24 VDC

DIP SW:

1	Address 0
2	Address 1
3	Address 2
4	Address 3
5	Address 4
6	Second access
7	NOP
8	Car
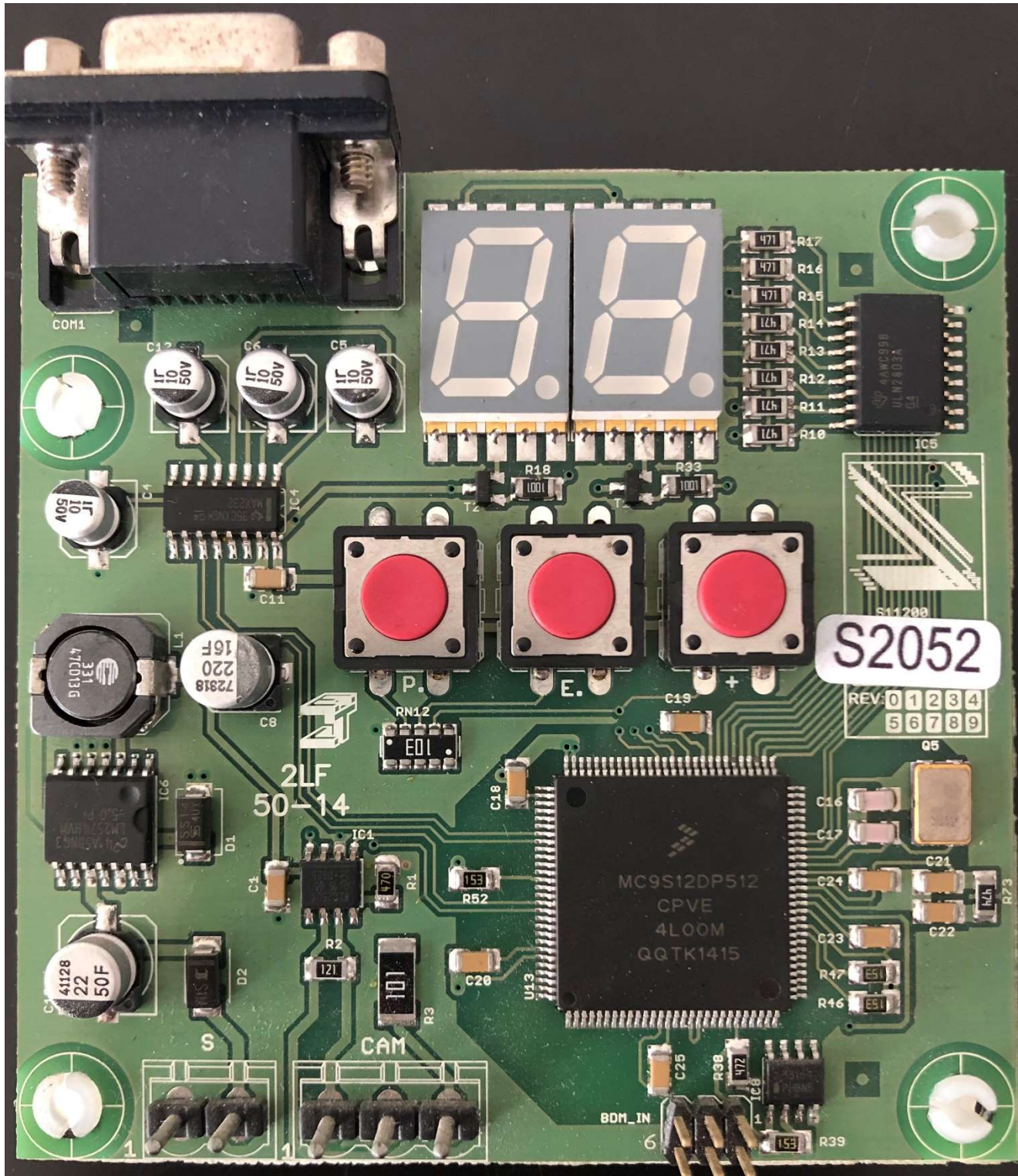
This board is the group manager, it can control up 4 cars group.

The different options are configured using the three keypad and the seven segments screen, it allows to change the basic parameters to customize the group control.
Trere are six menus, these menus are:

Menus:

C0 It shows the number of lifts online, for example C2 means two lifts connected.

P0   Lifts in group.
P1   Floors.
P2   Time between.
P3   Time on Floor.
P4   Accelerating time.
P5   Close door time.
P6   Allocate floor elevator1
P7   Allocate floor elevator2
P8   Allocate floor elevator3
P9   Allocate floor elevator4

L1   Cancel floors on lift one, the bit tie to the floor

should be at 1.

L2   Cancel floors on lift two, the bit tie to the floor

should be at 1.

L3   Cancel floors on lift three, the bit tie to the

floor should be at 1.

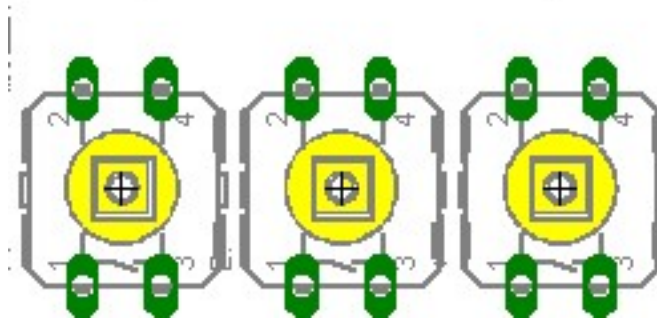L4   Cancel floors on lift four, the bit tie to the

floor should be at 1

Connectors

S1 (Supply)

1	O VDC
2	+24 VDC

C3-1 (Can)

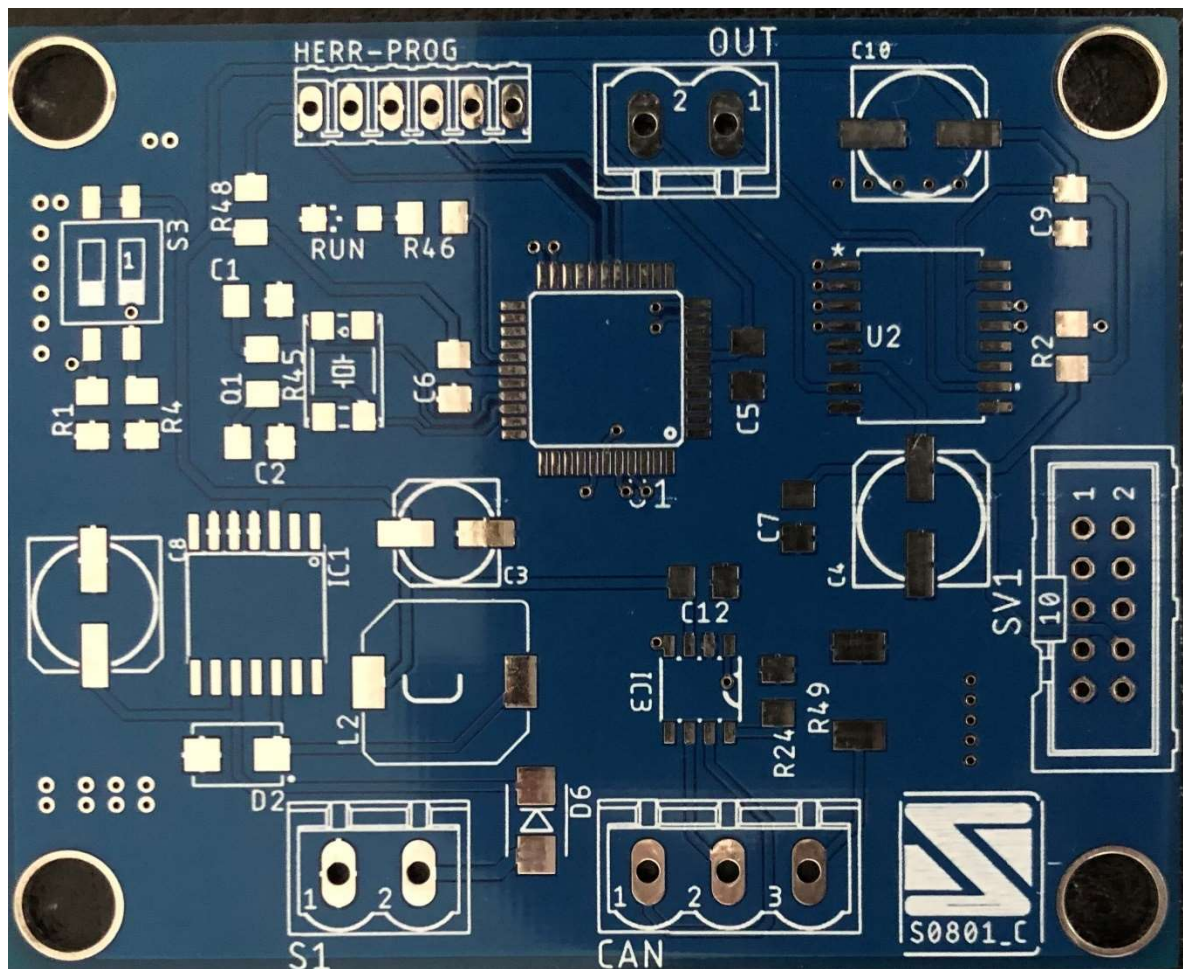| 1	CAN H
2	CAN L
3	SCREEN

Screen

P   E   +

It allows to watch and change group information, the key P change to different menus, the key E is the enter and   the key + is to increase the value of any parameter.

VC S0801C

Messages table:

POSITION(Addrs)	MENSSAGE
0	OPEN DOOR
1	CLOSE DOOR
2	OBSTACLE
3	OVERLOAD
4	FIRE FIGHTER
5	GOING UP
6	GOING DW
7	CAR PREFERENT
8	UNDERGROUND
9	FLOOR 0
10	FLOOR 1
11	FLOOR 2
12	FLOOR 3
13	FLOOR 4
14	FLOOR 5
15	FLOOR 6
16	FLOOR 7
17	FLOOR 8
18	FLOOR 9
19	FLOOR 10
20	FLOOR 11
21	FLOOR 12
22	FLOOR 13
23	FLOOR 14...

Dip SW

1	FLOOR MESSAGE ON
2	SIMULATION

Connectors

Can

1	CAN H
2	CAN L
3	SCREEN

S

1	GND
2	+24 VDC

Out

1	SPEAKER OUTPUT
2	SPEAKER OUTPUT
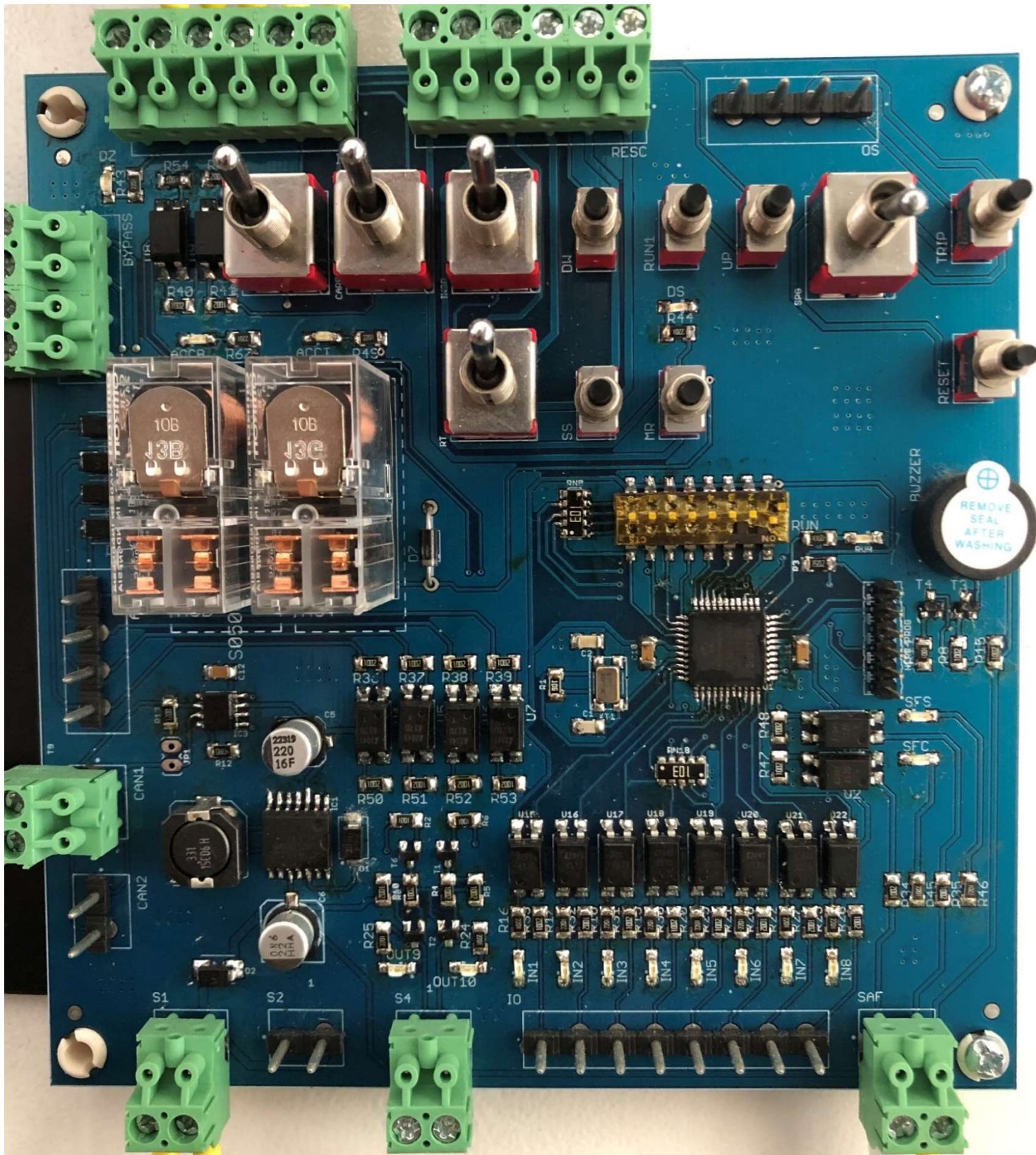
LED	FUNCTION
DS	Door series LED.
DZ	Door zone LED.
RUN	This LED indicate when the board is working, blinking frequency above 1 sec means bus communication OK.
SFS	Safety shaft, this LED indicates that the series circuit in the shaft are made. Some of the shaft devices are: • Over travel limits. • Hatch contact. • Stop switches.
SFC	Safety car, this LED indicates that the series circuit in the car are made. Some of the car devices are: • Plank switch. • Rescue hatch. • Stop Switch.
ASB	Access switch activated lower floor.
AST	Access switch activated upper floor.
LLC1…8	8. Fire recall input. 7. Fire recall reset. 6. Hat blinking. 5. Fire recall alternate floor. 4. System 3. System 2. System 1. System

SWITCH/BUTTON	FUNCTION
TRIP	Trip the speed governor.
RESET	Reset the speed governor.
GOV OFF	Enable the speed governor trip and reset buttons.

SS	Short safeties, Jump the safety series along with the RT switch in order to perform a rescue.
LANBY	Jump the hatch door series. After activate this option, the car will be into inspection mode and the only way to operate it is from the top car inspection box.
CARBY	Jump the gate switch. After activate this option, the car will be into inspection mode and the only way to operate it is from the top car inspection box.
INSP	Gets the controller into inspection mode.
DN	Along with the Inspection switch and the ENABLE push button, it shall operate the car on the DOWN direction. The top car inspection has priority.
UP	Along with the Inspection switch and the ENABLE push button, it shall operate the car on the UP direction. The top car inspection has priority.

DIP	FUNCTION
1	Fire phase 1 reset activated. This dip sw activate the options of fire reset, alternate floor.
2	Construction Mode. This system allows the construction mode, the car shall operate without the top inspection box.
3	NOP.
4	NOP.
5	NOP.
6	NOP.
7	NOP.
8	NOP.

Connectors

OS

1	TRIP
2	TRIP
3	RESET
4	RESET

RESC

1	RT
2	SS
3	RT1
4	RT2
5	DS
6	MR

INS

1	COMMUN+24VDC
2	SW INSP
3	SW INS DW
4	SW INS UP
5	DZ
6	SW INS DW

BYPASS

1	GS COMMON
2	GS
3	DL COMMON
	DL

ACC_SW

1	ASBD
2	ASBU
3	ASTD
4	ASTU

CAN1

1	CAN H
2	CAN L

S1

1	+24VDC
2	0 VDC

S2

1	+24VDC
2	0 VDC

S4

1	
2	FIRE HAT

IO

1	FIRE RECALL
2	FIRE RESET
3	FIRE HAT BLINKING
4	FIRE RECALL ALTERNATE FLOOR
5	SYSTEM
6	SYSTEM
7	SYSTEM
8	SYSTEM

SF

1	SFC
2	SFS