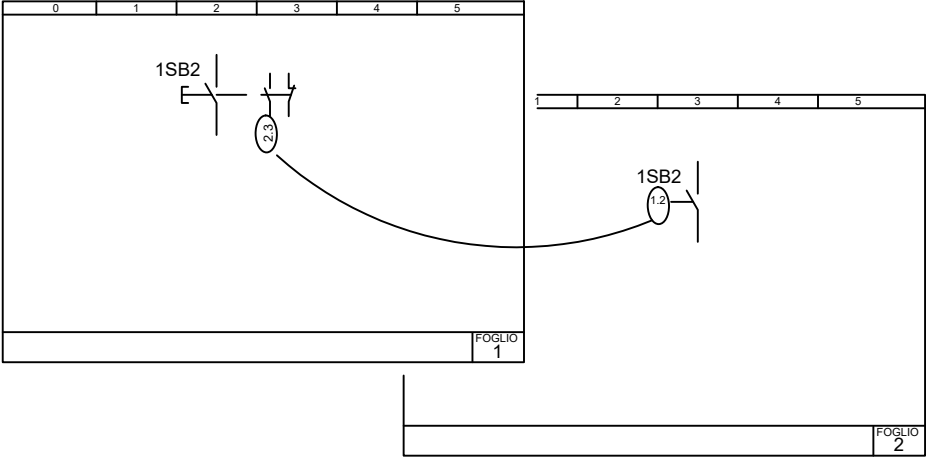
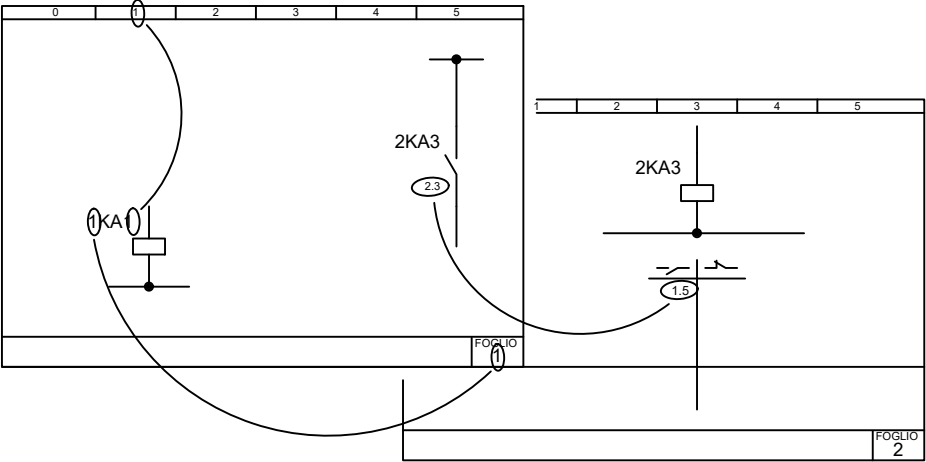


0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
AITALMAC Heng Sheng Road , Gao Chun Economic Development Zone , NANJING,211300 P.R.CHINA										LOCATION SYMBOLS ☐ Components on the door ☐ Components inside the cubicle (usually omitted) ☐ Machine components (usually omitted)									

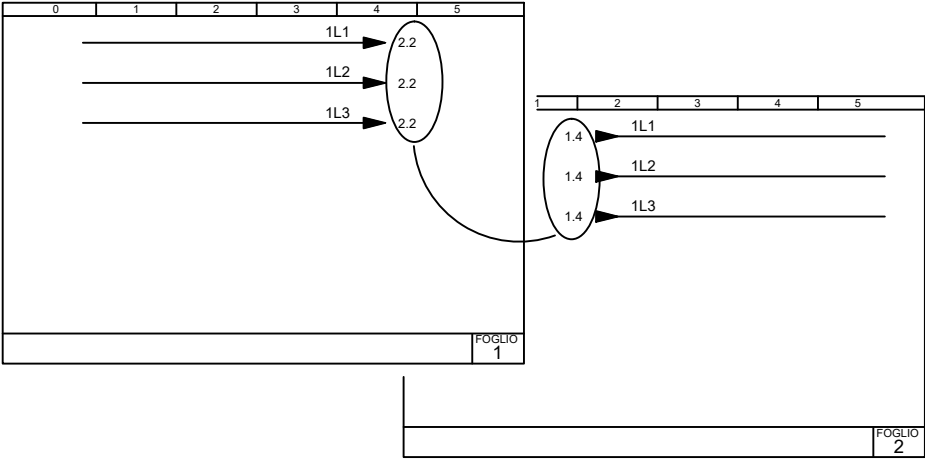
COMPONENT REFERENCE



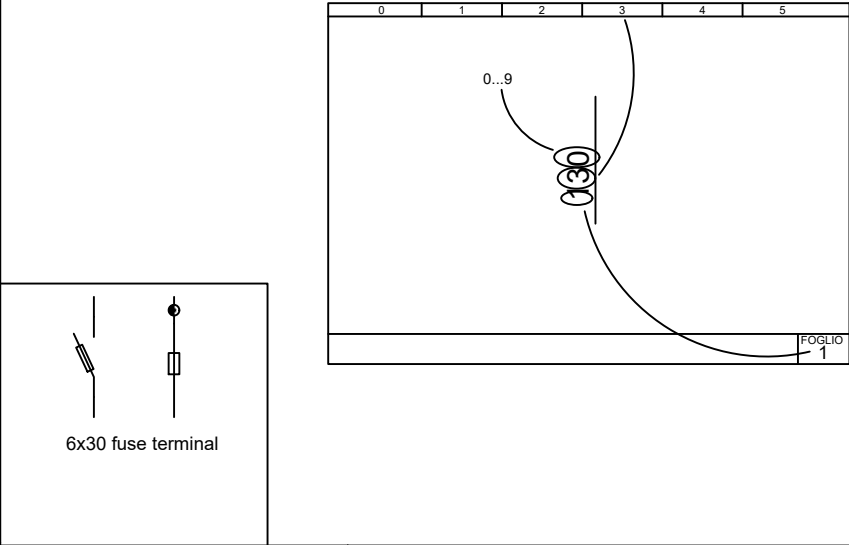
COMPONENT NAME/COIL-CONTACT POSITION

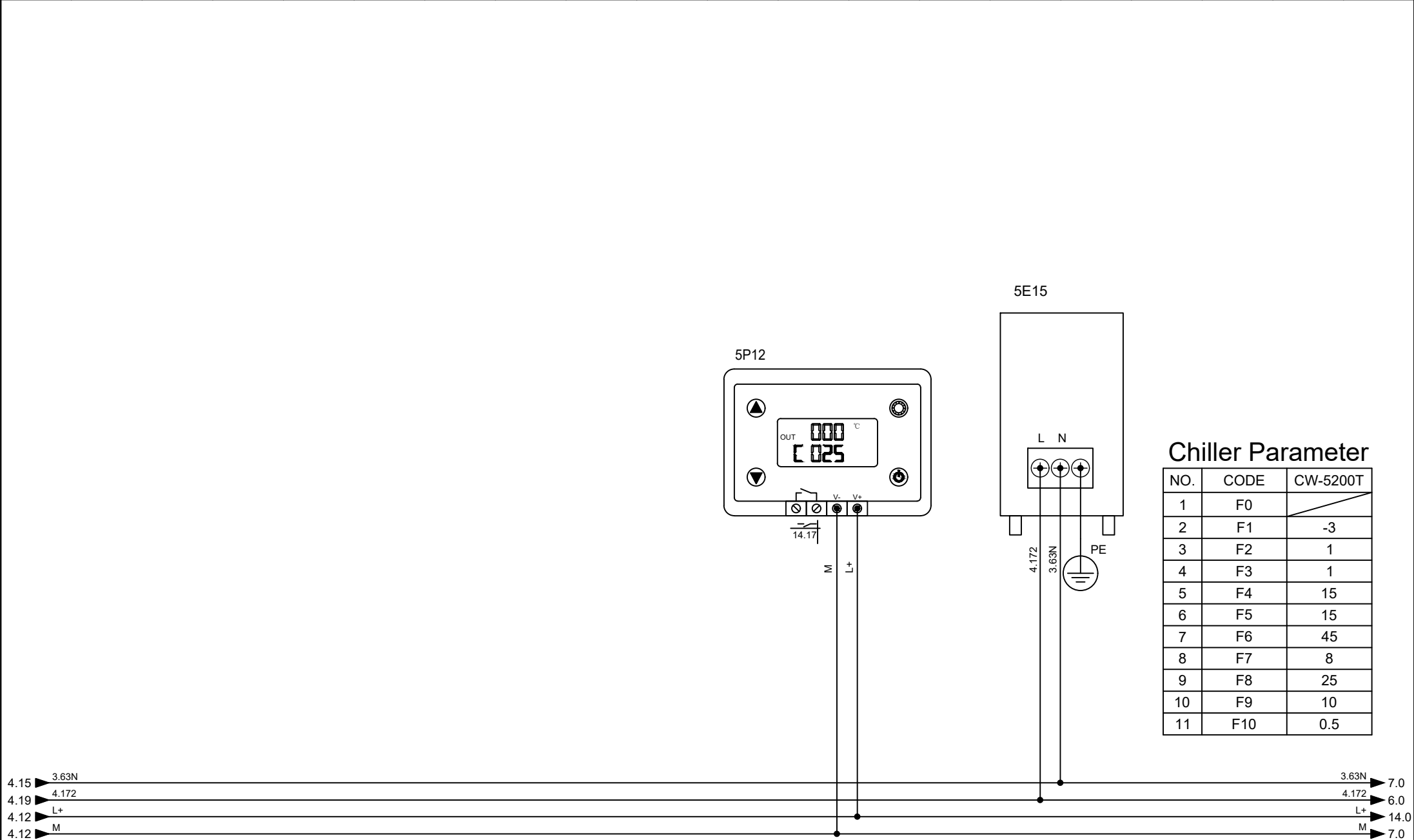


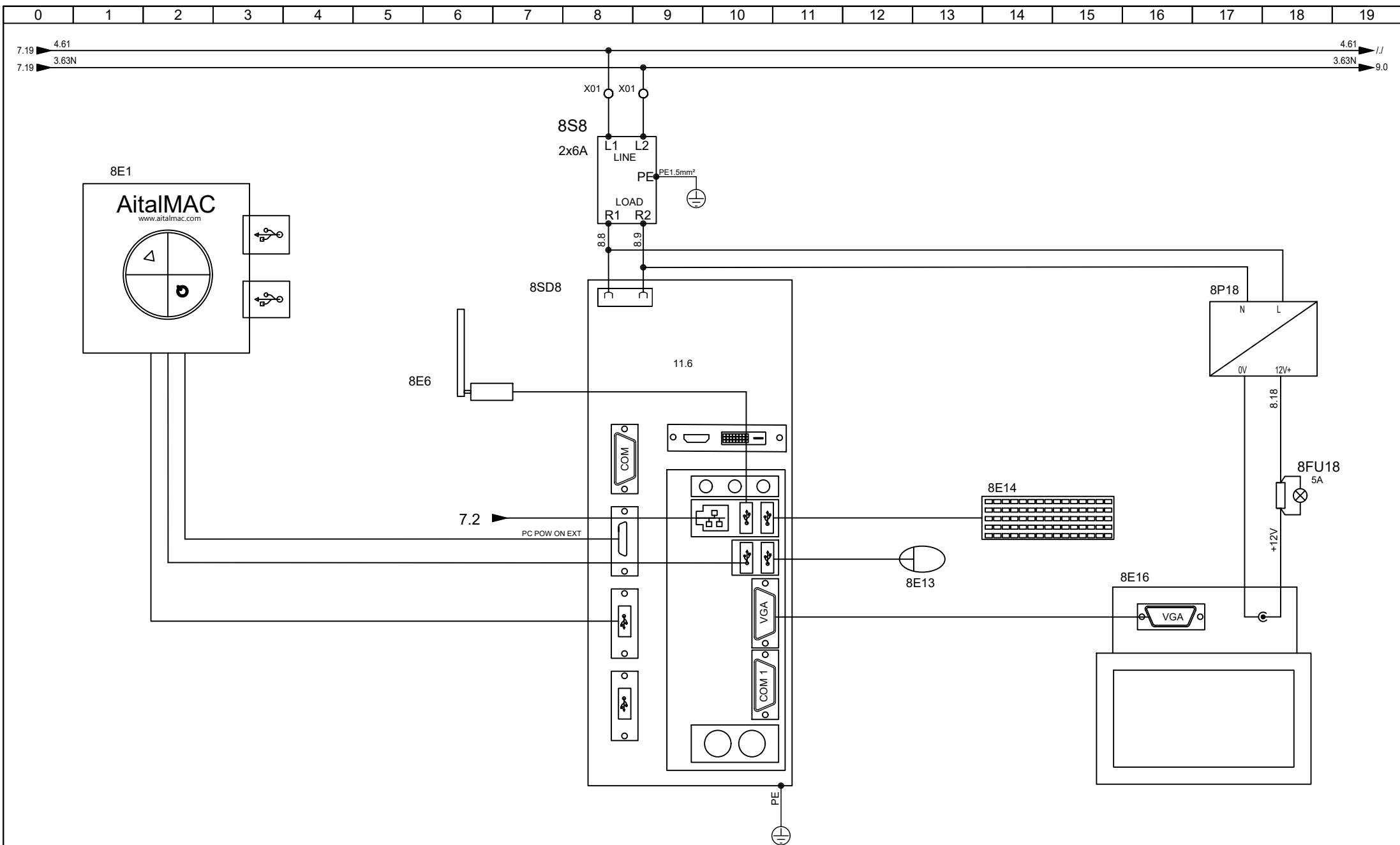
SIGNALS



WIRE NUMBER







COMPUTER POWER
ON/OFF BUTTON

USB WIFI

WINDOWS PC

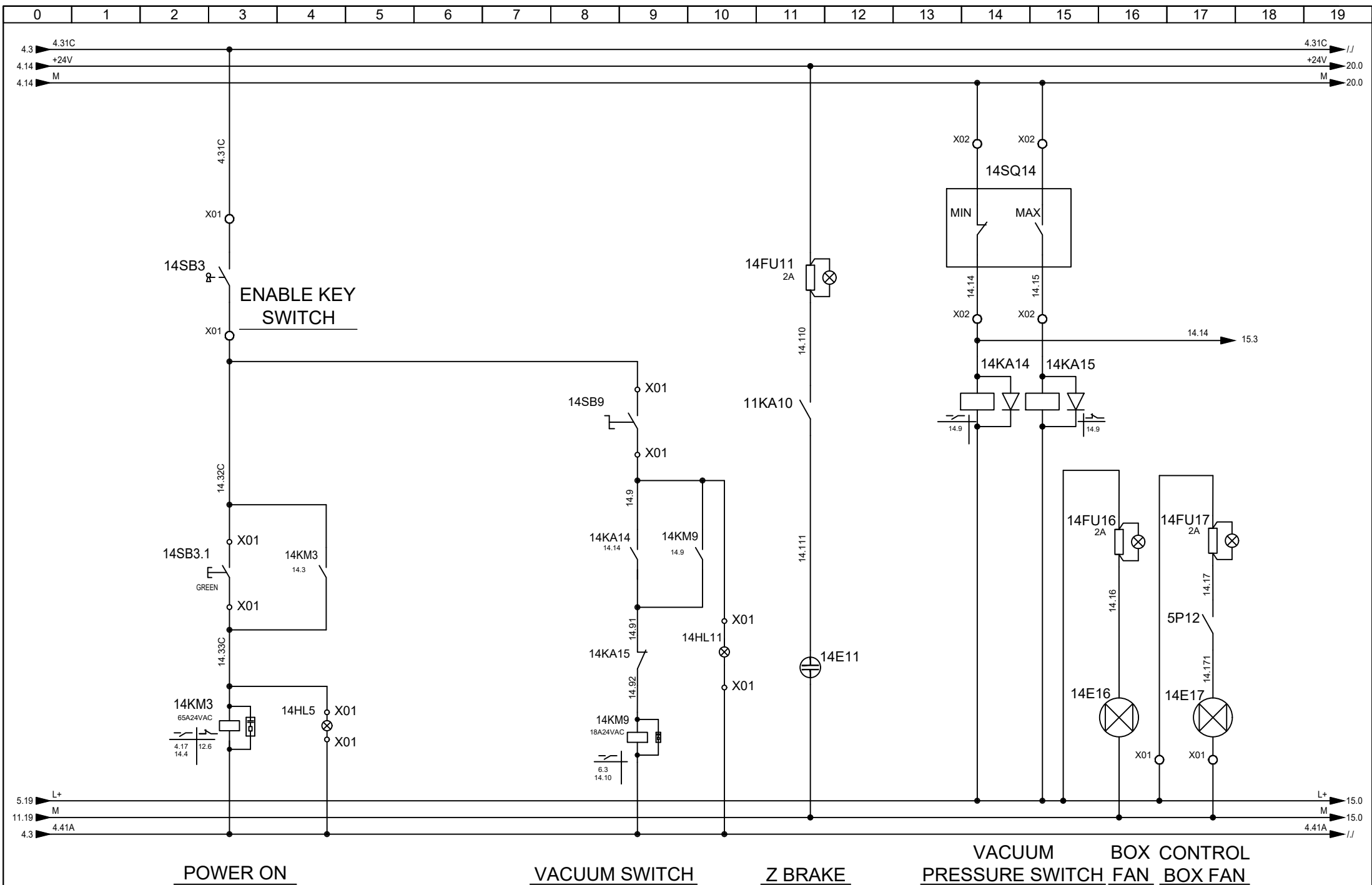
MOUSE&KEYBOARD

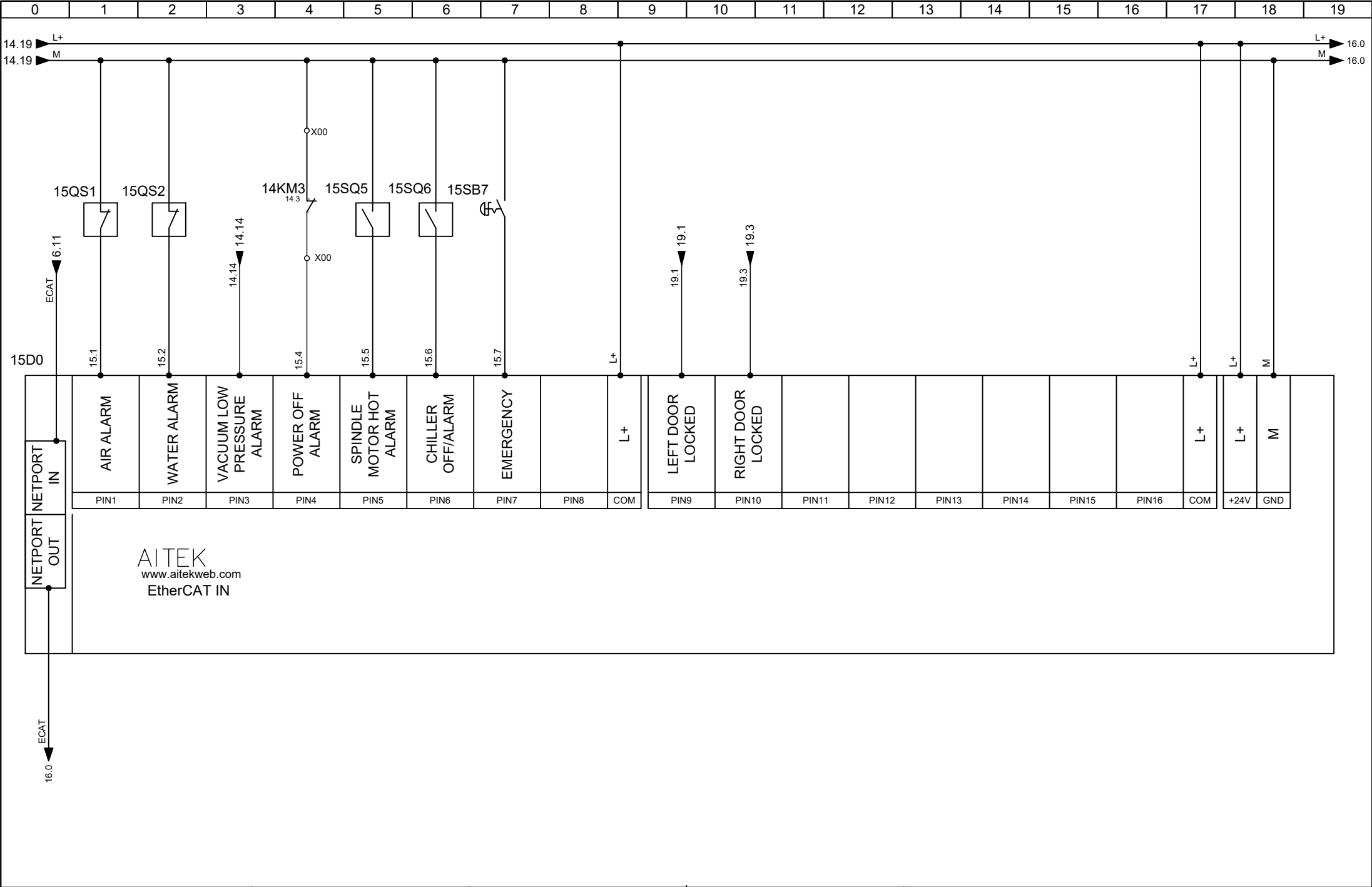
MONITOR&MONITOR
POWER SUPPLY

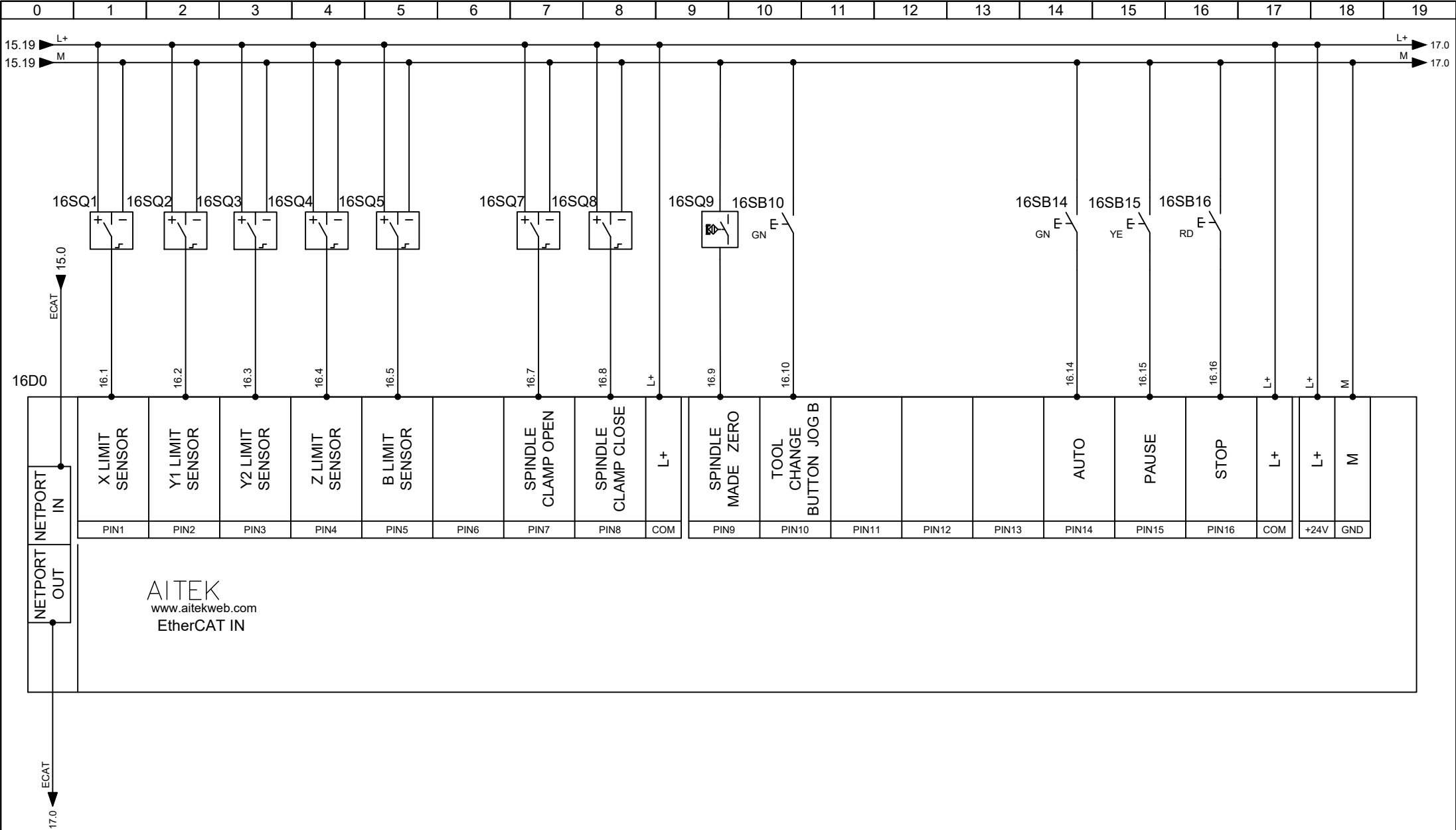


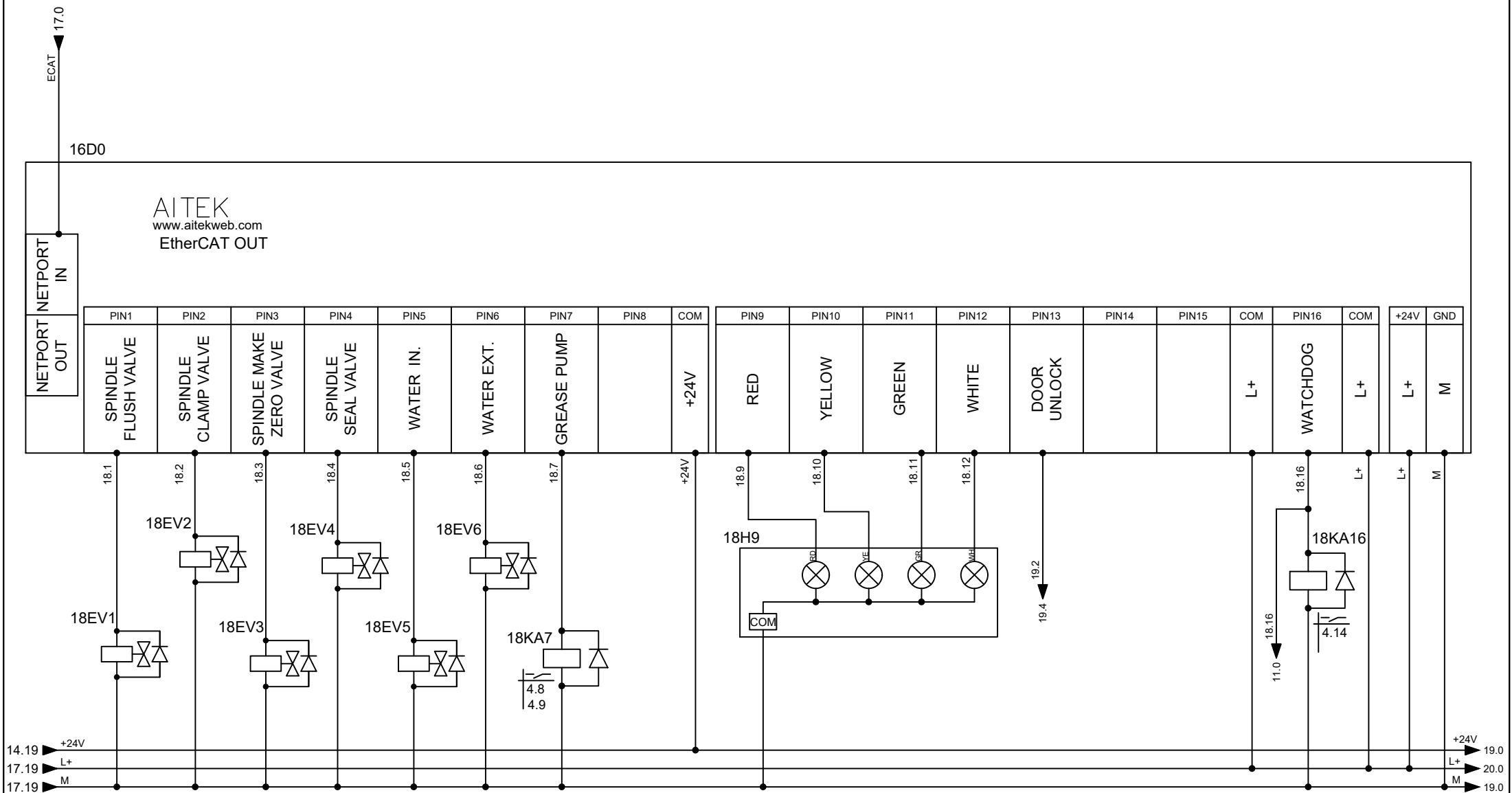
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0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

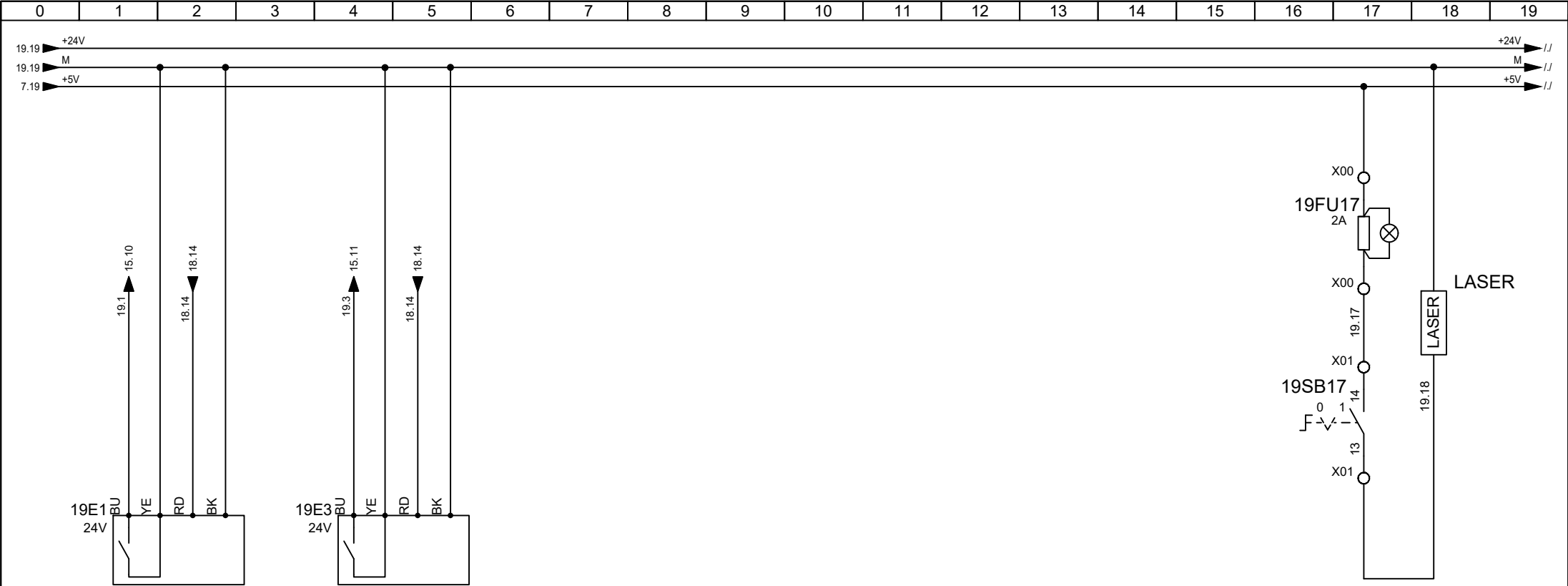








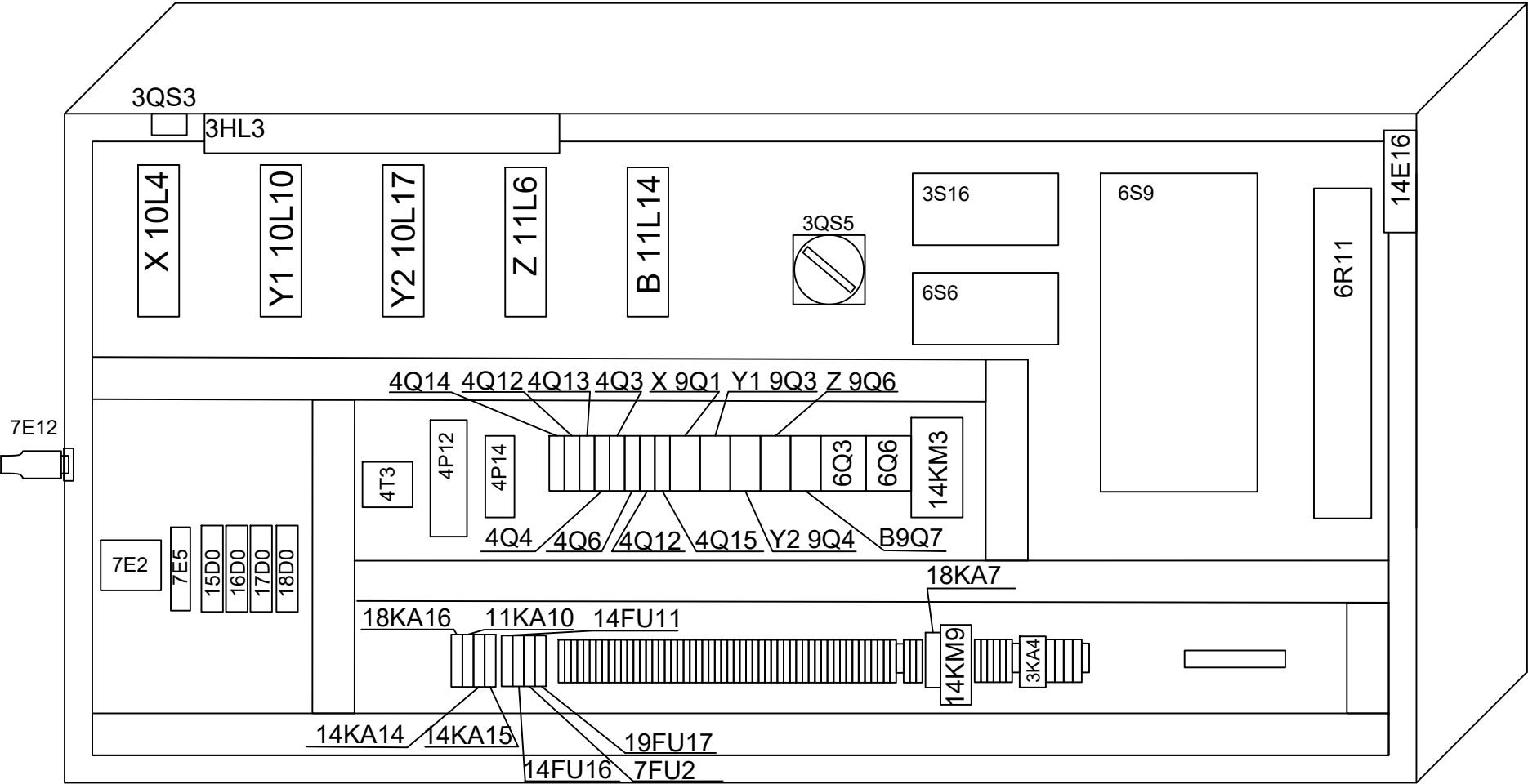
ALARM LAMP



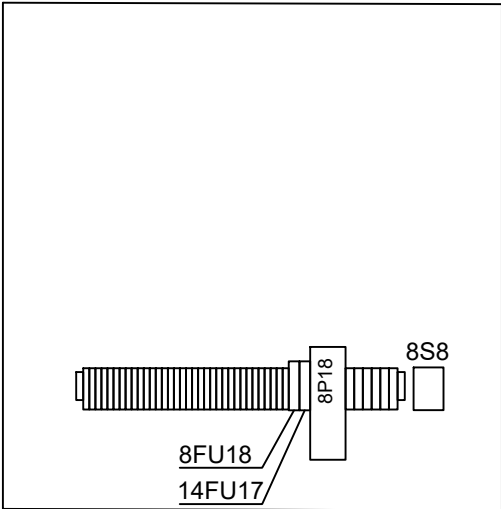
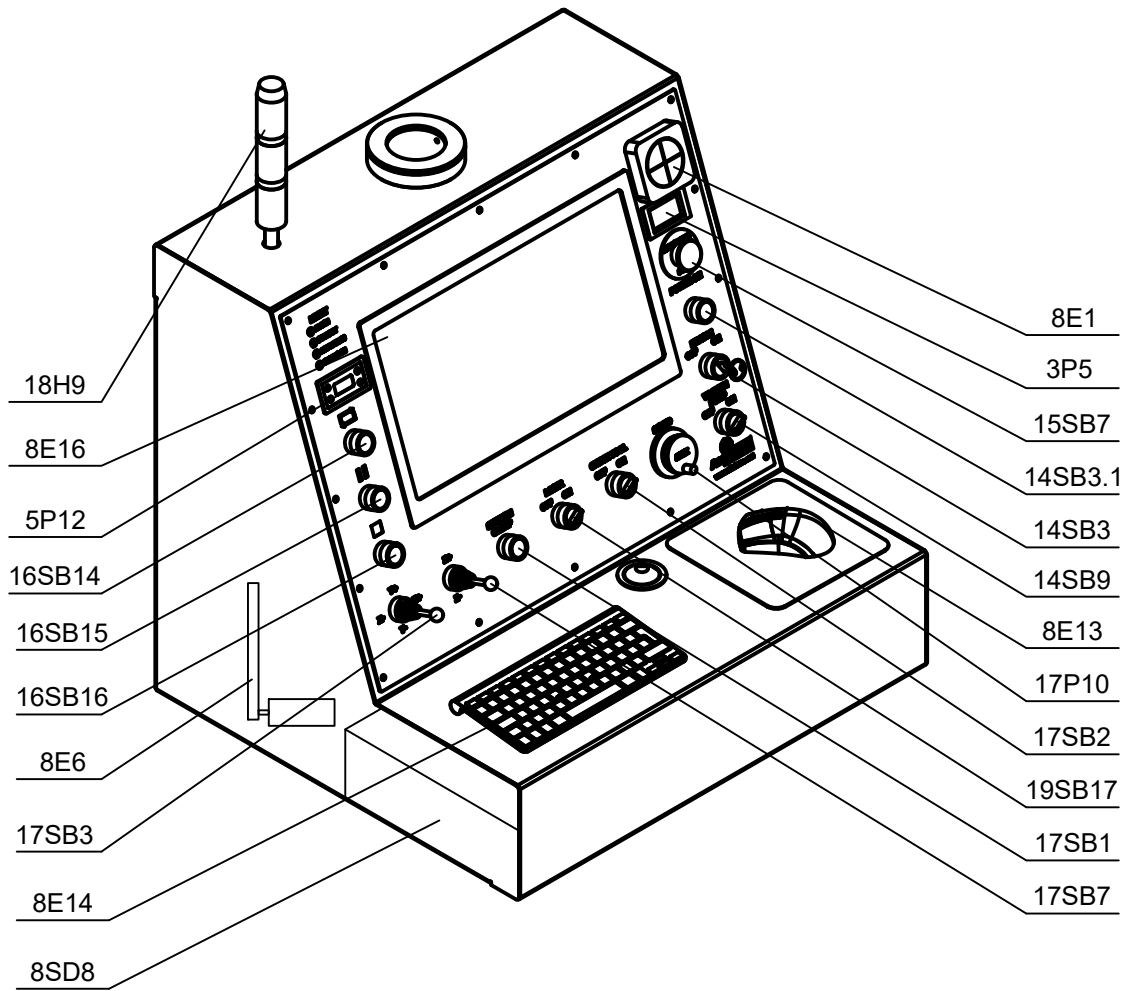
LEFT DOOR
SAFETY

RIGHT DOOR
SAFETY

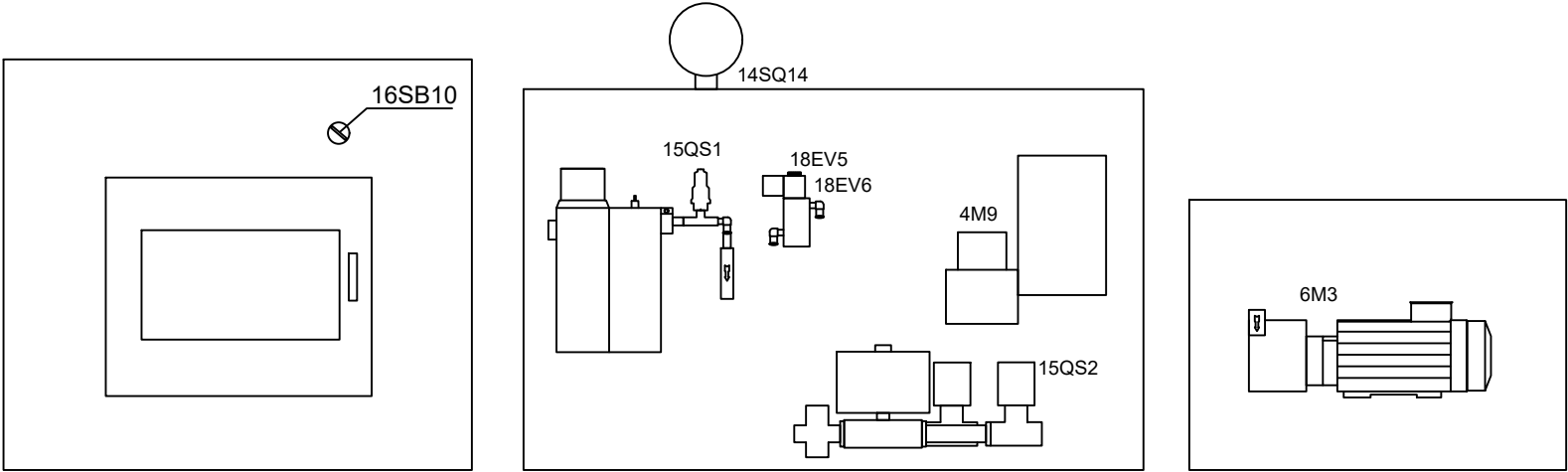
LASER



X00



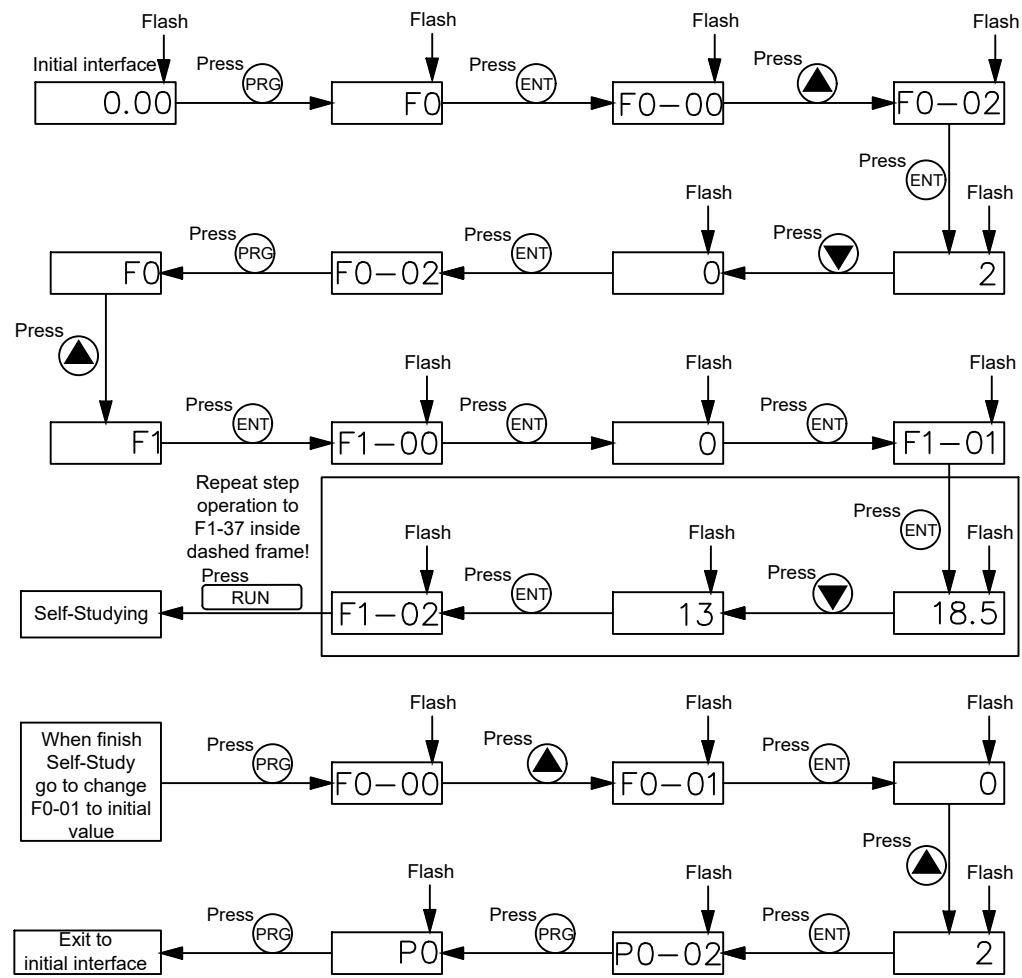
X01



X02

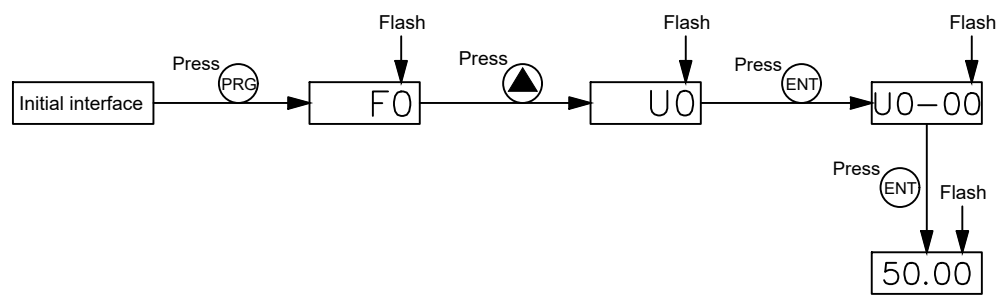
Motor Self-Study

F1-37=2



Monitoring Function

- U0-00 Output Frequency
- U0-01 Input Frequency
- U0-06 Output Torque
- U0-14 Motor Speed



Inverter Parameter

NAME	RANGE	DEFAULT	UNITS
F0-01	0,1,2	2	
F0-02	0,1,2	2	
F0-03	0-9	9	
F0-04	0-9	0	
F0-10	50.00Hz~500.00Hz	500	Hz
F0-12	0.00Hz~F0-10(MAX)	500	Hz
F0-17	0.0s~6500.0s	5	S
F0-18	0.0s~6500.0s	10	S
F0-28	0,1	1	
F1-00	0,1	0	
F1-01	0.1kW-1000.0kW	13	KW
F1-02	1V-2000V	380	V
F1-03	0.01A-655.35A	32	A
F1-04	0.01Hz-MAX	60	Hz
F1-05	1RPM-65535RPM	1710	Rpm
F3-01	0.0%,0.5%-30%	2	%
F3-02	0.00-MAX	5	Hz
F7-03	0000-FFFF	4051	
F7-04	0000-FFFF	0000	

Servo Driver Parameter

NAME	RANGE	X	Y1	Y2	Z	B
PA003		13	13	13	13	11
PA004		750	750	750	750	1550
PA015	0-9	1	1	1	1	1
PA222		0	0	0	0	1000

0	1	2	3	4	5	6	7	8	9	10	11	12	13
---	---	---	---	---	---	---	---	---	---	----	----	----	----

Pg.	Code	Name	Mfrs.	Model
3	3QS3	Travel Switch	SNJDQ	LX19-001
3	3HL3	OPEN DOOR LIGHT ON	--	T5 12W/220V
3	3QS5	General Switch	GLELE	GLD11-100/08 +4P
3	3P5	Volt-ammeter	OUXIN	200-450V~0-100A
3	3S16	Filter	DOTHINK	DTT2121-65-S16-S77
3	3KA4	PHASE PROTECTION RELAY	SHNTOER	TG30s

4	4T3	Transformers	CHNT	NDK(BK)-150
4	4Q3	Circuit Breaker	Schneider	IC65N D4A 1P
4	4Q4	Circuit Breaker	Schneider	IC65N D4A 1P
4	4Q6	Circuit Breaker	Schneider	IC65N D4A 1P
4	4M9	Grease Pump Motor	ML	MYK-202-200-0 15W/220V 2L
4	4Q12	Circuit Breaker	Schneider	IC65N D4A 1P
4	4P12	Power Supply	WEHO	D-120B
4	4Q11	Circuit Breaker	Schneider	C65H-DC C4A 1P
4	4Q13	Circuit Breaker	Schneider	C65H-DC C4A 1P
4	4P14	Power Supply	MW	EDR-120-24 24V
4	4Q14	Circuit Breaker	Schneider	C65H-DC C20A 1P
4	4Q15	Circuit Breaker	Schneider	IC65N D4A 1P

5	5P12	Thermometer	QUASON	XY-WT01
5	5E15	Industrial Chiller	TEYU	CW-5200T
5				

6	6Q3	Vacuum Pump Circuit Breaker	Schneider	IC65N D10A 3P
6	6M3	Vacuum Pump Motor	BOWANG	2BV2061 380V
6	6Q6	Spindle Circuit Breaker	Schneider	IC65N D50A 3P
6	6S6	Filter	DOTHINK	DTT1021-40-S6-S47
6	6S9	Frequency Converter	INOVANCE	MD500T18.5GB
6	6M11	Spindle Motor	AITALMAC	13KW
6	6R11	Braking Resistor	--	4000W 32Ω

7	7P8	CNC POWER	--	12V 4A
7	7E8	CNC Controler	AITEK	ETC-V2
7	7FU2	Fuse	CHE	FS-101 DC24V 5A
7	7E2	Ethernet Switch	TP-LINK	TL-SG1005D
7	7E12	Remote Wireless Receiver	WH	WHB04B-4 USB
7	7E13	USB KEY	AITEK	

8	8E1	Computer Power on/off	AITALMAC	--
8	8E6	USB-WIFI	UGREEN	AC650M
8	8S8	Filter	Canny Well	CW1B-6A-L
8	8SD8	WINDOWS PC	AITALMAC	PC-KT38
8	8E13	USB-Mouse	Lenovo	M300
8	8E14	USB-Keybord	Logitech	K310
8	8E16	Monitor	Anmite	AN-195W01D
8	8P18	Power Supply	MW	EDR-75-12
8	8FU18	Fuse	CHE	FS-101 DC24V 5A
8				
8				
8				

Pg.	Code	Name	Mfrs.	Model
9	X 9Q1	Circuit Breaker	Schneider	IC65N D20A 2P
9	Y1 9Q3	Circuit Breaker	Schneider	IC65N D20A 2P
9	Y2 9Q4	Circuit Breaker	Schneider	IC65N D20A 2P
9	Z 9Q6	Circuit Breaker	Schneider	IC65N D20A 2P
9	B 9Q7	Circuit Breaker	Schneider	IC65N D20A 2P
9				

10	10M2	X Motor	Leadshine	ACM13015M2F-70-L 1.5KW 2500r/min
10	X 10L4	X Servo Drive	Leadshine	L7EC-1500S
10	10M8	Y1 Motor	Leadshine	ACM13015M2F-70-L 1.5KW 2500r/min
10	Y1 10L10	Y1 Servo Drive	Leadshine	L7EC-1500S
10	10M15	Y2 Motor	Leadshine	ACM13015M2F-70-L 1.5KW 2500r/min
10	Y2 10L17	Y2 Servo Drive	Leadshine	L7EC-1500S

11	11M4	Z Motor	Leadshine	ACM13013H2E-40-L 1.3KW 1500r/min
11	Z 11L6	Z Servo Drive	Leadshine	L7EC-1500S
11	11KA10	Terminal Relay	OMRON	G2R-2-SND(S) DC24V+P2RF-08-E
11	11M12	B Motor	Leadshine	ACM13013H2F-40-L 1.3KW 1500r/min
11	B 11L14	B Servo Drive	Leadshine	L7EC-1500S
11				

12				
12				
12				
12				
12				
12				

13				
13				

14	14SB3	Enable Key Switch	RENY	RBSNK-2
14	14SB3.1	Power On Button	RENY	R2PIF-1D-2GL
14	14KM3	Contactora	Schneider	LC1D65B7C AC24V
14	14SB9	Vacuum Switch	RENY	RBSNK-2
14	14KM9	Contactora	Schneider	LC1D18B7C AC24V
14	14FU11	Fuse	CHE	FS-101 DC24V 2A
14	14E11	Z Brake	Leadshine	--
14	14FU13	Fuse	CHE	FS-101 DC24V 2A
14	14SQ14	Vacuum Pressure Switch	YXC	ZXC-100, -0.1-0MPA
14	14KA14	Terminal Relay	OMRON	G2R-2-SND(S) DC24V+P2RF-08-E
14	14KA15	Terminal Relay	OMRON	G2R-2-SND(S) DC24V+P2RF-08-E
14	14FU16	Fuse	CHE	FS-101 DC24V 2A
14	14E16	Box FAN	--	24V 6W 12CM
14	14FU17	Fuse	CHE	FS-101 DC24V 2A
14	14E17	Control Box FAN	--	24V 6W 12CM
14	14FU18	Fuse	CHE	FS-101 DC24V 2A

Aitalmac www.aitalmac.com	Designed By	Checked By	Approved By	Trimness By	Description	COMPONENTS INFORMATION		
	Machine	Date	Revision	Note	Page			
	KT38	12.30.2023	KT38-231201		25		Next	26

Pg.	Code	Name	Mfrs.	Model
15	15D0	ETHERCAT I/O	AITEK	IN MODULE
15	15QS1	Air Pressure Switch	SQW	QPM11-NC
15	15QS2	Water Pressure Switch	SN	DN8 1.1-1.8kgf/m² (ON-OFF)
15	15SB7	Emergency Button	RENY	R2PNR4-1B-R
15				
15				
15				

16	16SQ1	X Limit Sensor	IBEST	IPSI-12NO2B-L60mm(NPN NO 2mm 200mA)
16	16SQ2	Y1 Limit Sensor	IBEST	IPSI-12NO2B-L60mm(NPN NO 2mm 200mA)
16	16SQ3	Y2 Limit Sensor	IBEST	IPSI-12NO2B-L60mm(NPN NO 2mm 200mA)
16	16SQ4	Z Limit Sensor	IBEST	IPSI-12NO2B-L60mm(NPN NO 2mm 200mA)
16	16SQ5	B Limit Sensor	IBEST	IPSI-12NO2B-L60mm(NPN NO 2mm 200mA)
16	16SQ9	Spindle make zero magnetic sensor	XINDE	CS1-J 2M
16	16SB10	Tool Change Button	RENY	RAPNF-1A-G
16	16SB14	Control Box-Auto Button	RENY	RAPNF-1A-G
16	16SB15	Control Box-Pause Button	RENY	RAPNF-1A-Y
16	16SB16	Control Box-Stop Button	RENY	RAPNF-1A-R

17	17SB1	Spindle Clamp Button	RENY	RAPNF-1A-G
17	17SB2	Check Tool Switch	RENY	RBSNK-2
17	17SB3	X/Y Axis-Joystick Controller	Schneider	XD2-PA24CR φ22mm
17	17SB7	Z Axis-Joystick Controller	Schneider	XD2-PA22CR φ22mm
17	17P9	Speed Control Wheel	AITEK	24VPLC

18	18EV1	Solenoid Valve	CNSY	4V210-08 G1/4 DC24V
18	18EV2	Solenoid Valve	CNSY	4V210-08 G1/4 DC24V
18	18EV3	Solenoid Valve	CNSY	4V210-08 G1/4 DC24V
18	18EV4	Solenoid Valve	CNSY	4V210-08 G1/4 DC24V
18	18EV5	Solenoid Valve	CNSY	4V210-08 G1/4 DC24V
18	18EV6	Solenoid Valve	CNSY	4V210-08 G1/4 DC24V
18	18KA7	Terminal Relay	OMRON	G2R-2-SND(S) DC24V+P2RF-08-E
18	18H9	Alarm Indicator lamp	TAYB	TB50-4T-D 24V
18	18KA16	Terminal Relay	OMRON	G2R-2-SND(S) DC24V+P2RF-08-E

19	19E1	Left Door Safety	SARY	XG-6673 24V
19	19E3	Right Door Safety	SARY	XG-6673 24V
19	19FU17	Fuse	CHE	FS-101 DC24V 2A
19	19SB17	Laser Switch	RENY	RBSNK-2
19	19SER	LASER	--	16mm