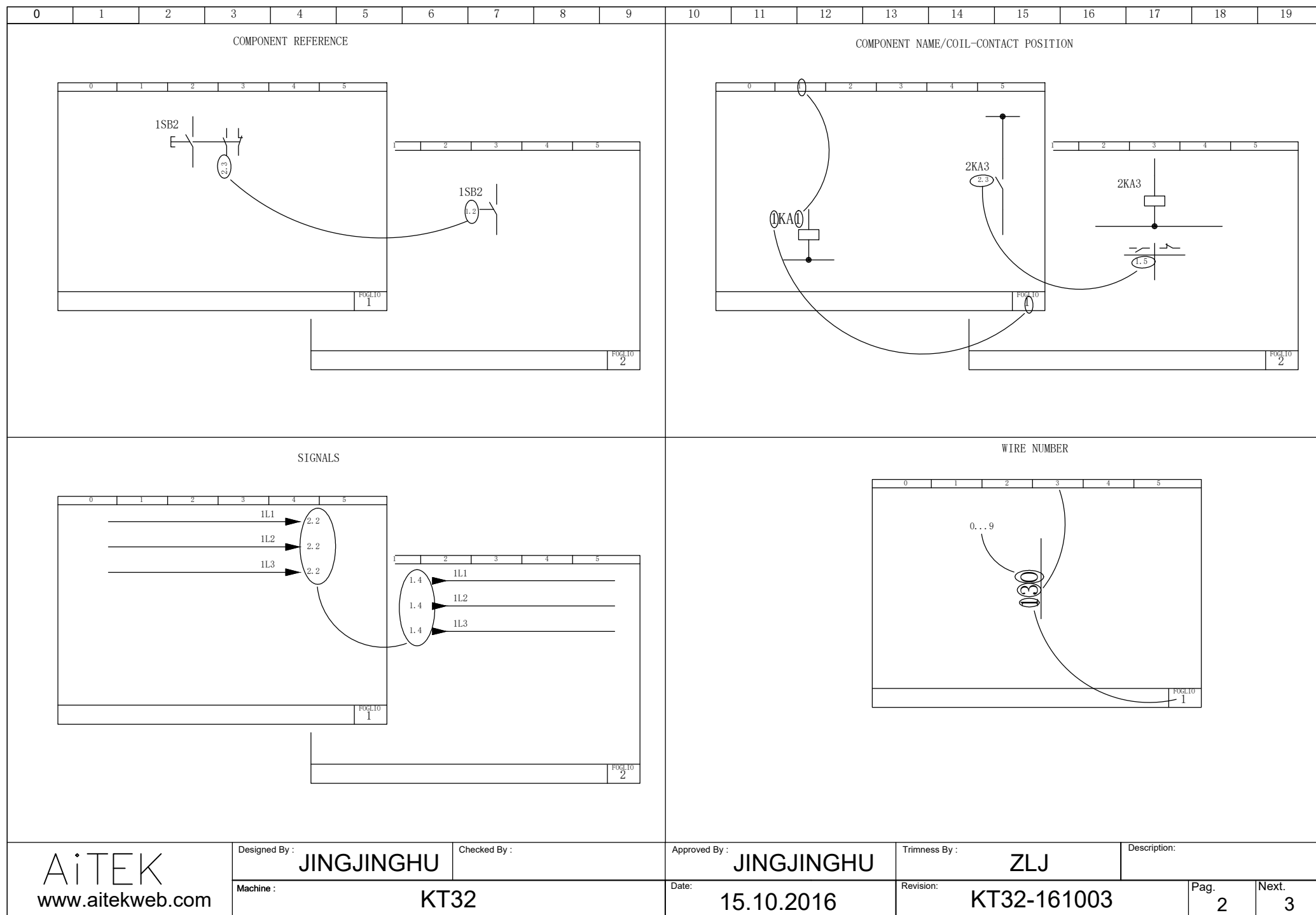
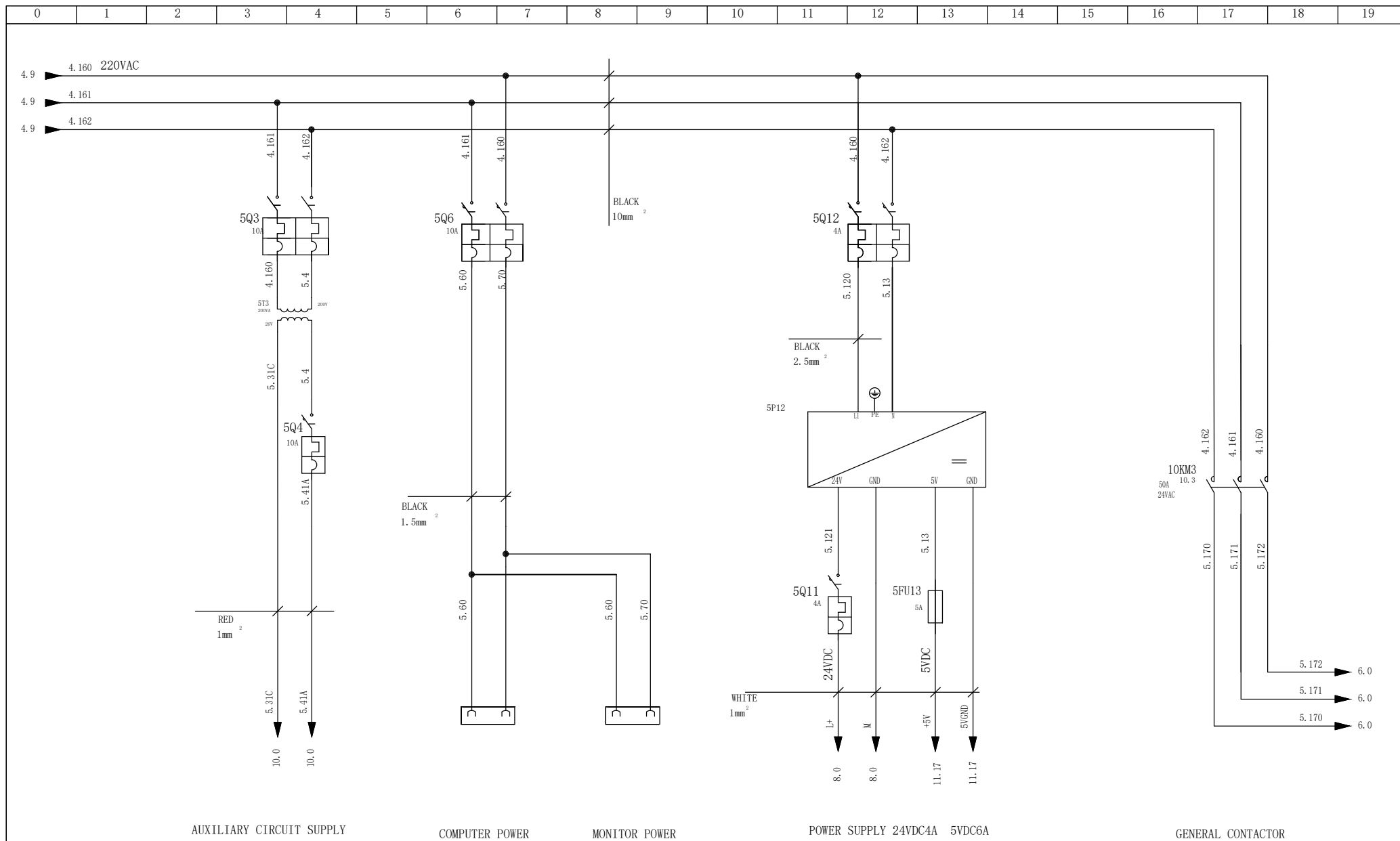
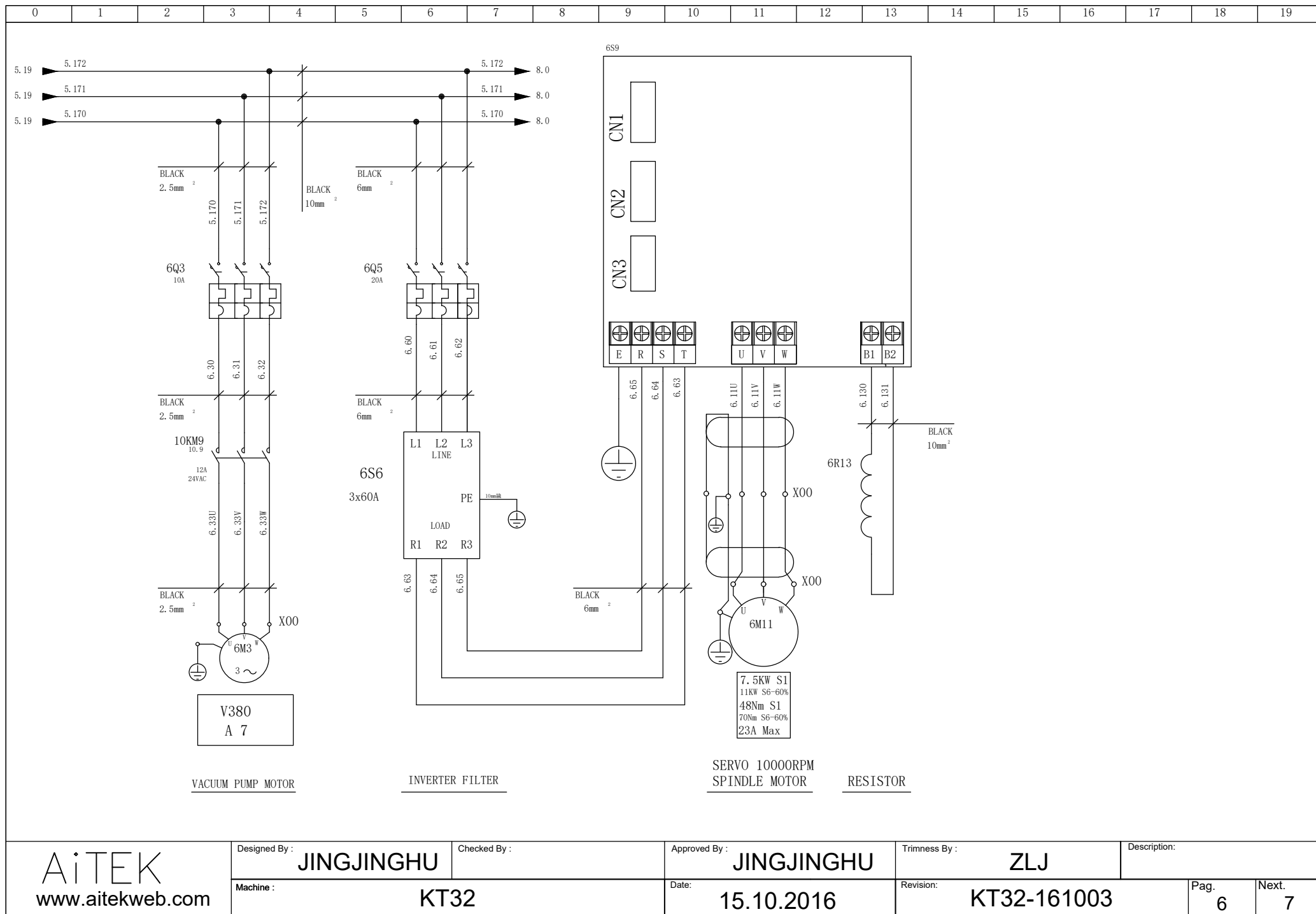


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 001 Heng Sheng Road , Gao Chun Economic Development Zone , NANJING,211300 P.R.CHINA										LOCATION SYMBOLS ☐ Components on the door ☐ Components inside the cubicle (usually omitted) ☒ Machine components (usually omitted)			COMPONENTS DESIGNATION A Complexes, assemblies(amplifiers, regulators, analog boards) B Transducer C Condensers D Logical devices E Component not in this list F Sefety device G Generators, feeders H Signalling devices K Relays, contactors L Inductor M Motors N Analog integrated circuits P Measuring instruments Q Switches R Resistors S Control devices T Transformers U Modulators converters V Rectifiers, semiconductors W Conductors X Terminal wire clamps, connectors Y Electricity actuating devices Z Impedance adapters, equalizers																																																		
COMPANY																																																															
AITEK CO.,LTD																																																															
MACHINE					MAIN POWER SUPPLY																																																										
CNC KT32					VOLT. 220 FREQ. 50																																																										
WIRING DIAGRAM					CUBICLE DIMENSION																																																										
KT32-161003					L (mm) 800 H (mm) 1800 W (mm) 500																																																										
CONDUCTORS DESIGNATION <table border="1"> <thead> <tr> <th>COLOR</th><th>FUNCTION</th><th>MINIMUM SECTION</th></tr> </thead> <tbody> <tr> <td>BLACK</td><td>power circuit A.C./D.C.</td><td>1,5 mm²</td></tr> <tr> <td>BLUE</td><td>neutral wire</td><td>1,5 mm²</td></tr> <tr> <td>RED</td><td>A.C. auxiliary circuit</td><td>1,5 mm²</td></tr> <tr> <td>BLUE</td><td>D.C. auxiliary circuit</td><td>1,5 mm²</td></tr> <tr> <td>WHITE or GRAY</td><td>D.C. auxiliary circuit (with blue neutral wire)</td><td>1,5 mm²</td></tr> <tr> <td>ORANGE</td><td>outside circuit</td><td>2,5 mm²</td></tr> <tr> <td>YELLOW-GREEN</td><td>protection earth</td><td>1,5 mm²</td></tr> <tr> <td>SCREENED CABLE</td><td>reference - signal</td><td>0,75 mm²</td></tr> <tr> <td>RED + / BLUE -</td><td>thermocouples</td><td>COMPENSATED CABLE</td></tr> <tr> <td></td><td>PLC circuit</td><td>0,75mm₂(0,5mm₂!<2A)</td></tr> </tbody> </table>										COLOR	FUNCTION	MINIMUM SECTION	BLACK	power circuit A.C./D.C.	1,5 mm ²	BLUE	neutral wire	1,5 mm ²	RED	A.C. auxiliary circuit	1,5 mm ²	BLUE	D.C. auxiliary circuit	1,5 mm ²	WHITE or GRAY	D.C. auxiliary circuit (with blue neutral wire)	1,5 mm ²	ORANGE	outside circuit	2,5 mm ²	YELLOW-GREEN	protection earth	1,5 mm ²	SCREENED CABLE	reference - signal	0,75 mm ²	RED + / BLUE -	thermocouples	COMPENSATED CABLE		PLC circuit	0,75mm ₂ (0,5mm ₂ !<2A)	COLORS <table border="1"> <tbody> <tr> <td>WH</td><td>White</td><td>GN</td><td>Verde</td></tr> <tr> <td>YE</td><td>Yellow</td><td>BU</td><td>Blue</td></tr> <tr> <td>RD</td><td>Red</td><td>BK</td><td>Black</td></tr> <tr> <td>OG</td><td>Orange</td><td></td><td></td></tr> </tbody> </table>					WH	White	GN	Verde	YE	Yellow	BU	Blue	RD	Red	BK	Black	OG	Orange		
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THE WIRING DIAGRAM IS INDICATED WITHOUT TENSION, AIR, OIL AND WATER FLOW.										MAIN CIRCUIT BREAKER OPERATING TIME: _____ SYMMETRICAL SHORT-CIRCUIT CURRENT: _____																																																					
										WARNING: THE PROTECTION OF THE MAIN POWER SUPPLY AND THE CONNECTION TO THE EARTH'S SYSTEM ARE DEPENDANT ON THE CUSTOMER. IN RESPECT TO THE EUROPEAN STANDARD EN60439-1 SPECIFICATIONS - CEI 17-13.1 DOSSIER 1433 - AND DPR 547 DD 27/04/1955, THE MAIN POWER SUPPLY MUST BE PROTECTED WITH A PROPER MAGNETIC-THERMAL SWITCH HAVING BREAKING CAPACITY NOT LOWER THAN 10 KILOAMPERE.																																																					
 www.aitekweb.com					Designed By : JINGJINGHU					Checked By :					Approved By : JINGJINGHU					Trimness By : ZLJ					Description:																																						
					Machine : KT32					Date: 15.10.2016					Revision: KT32-161003					Pag. 1		Next. 2																																									

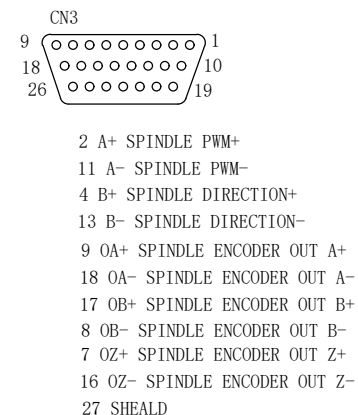
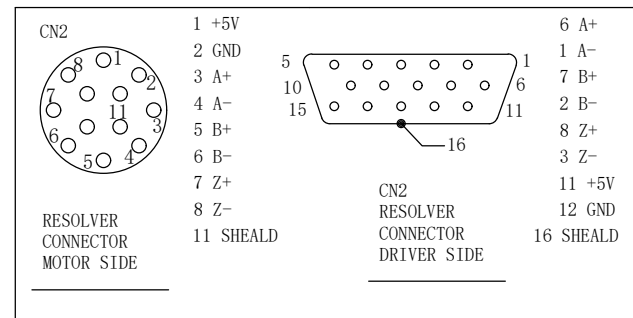
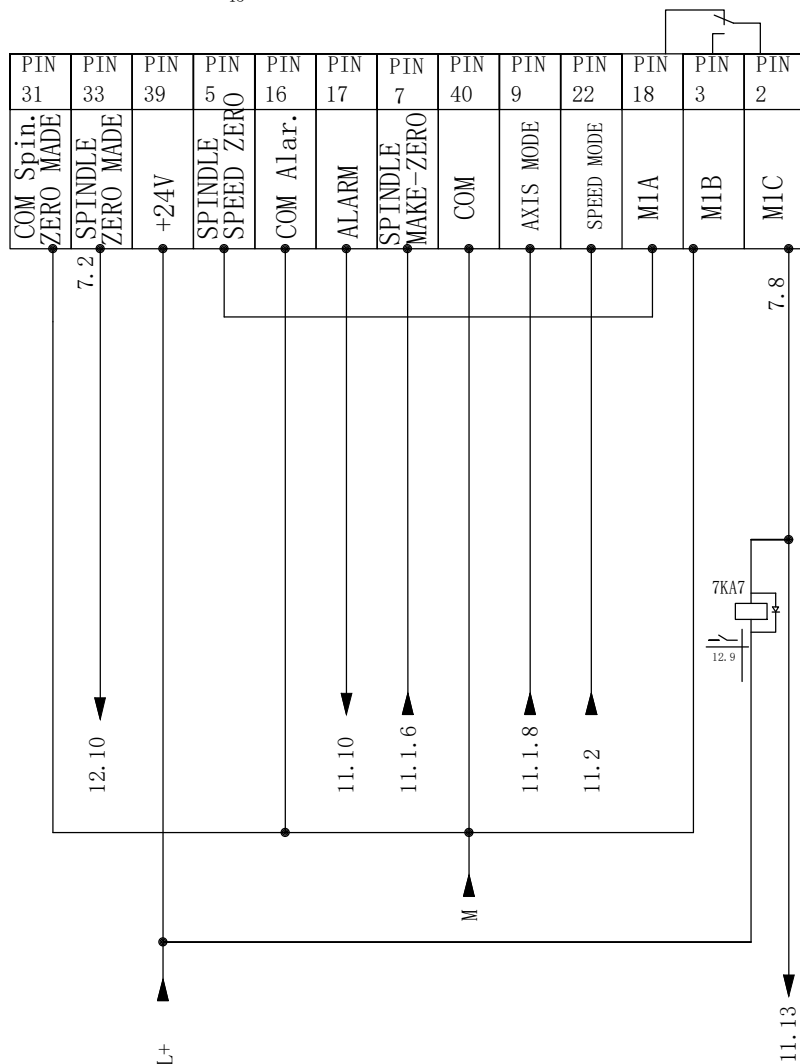
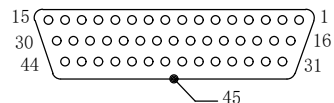


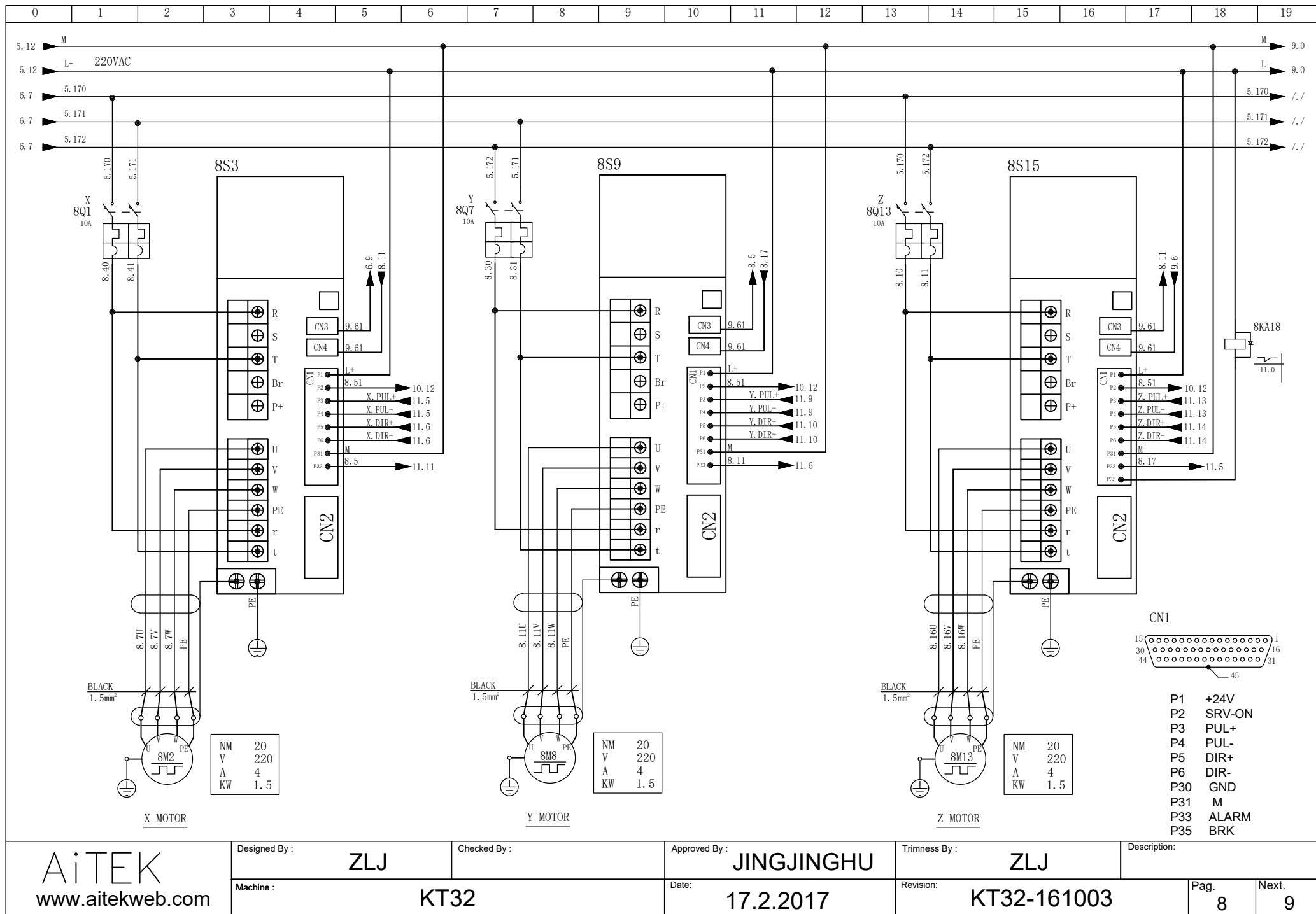
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AiTEK www.aitekweb.com		Designed By : JINGJINGHU				Checked By :				Approved By : JINGJINGHU				Trimness By : ZLJ				Description:	
		Machine : KT32								Date: 15.10.2016				Revision: KT32-161003				Pag. 3	Next. 4

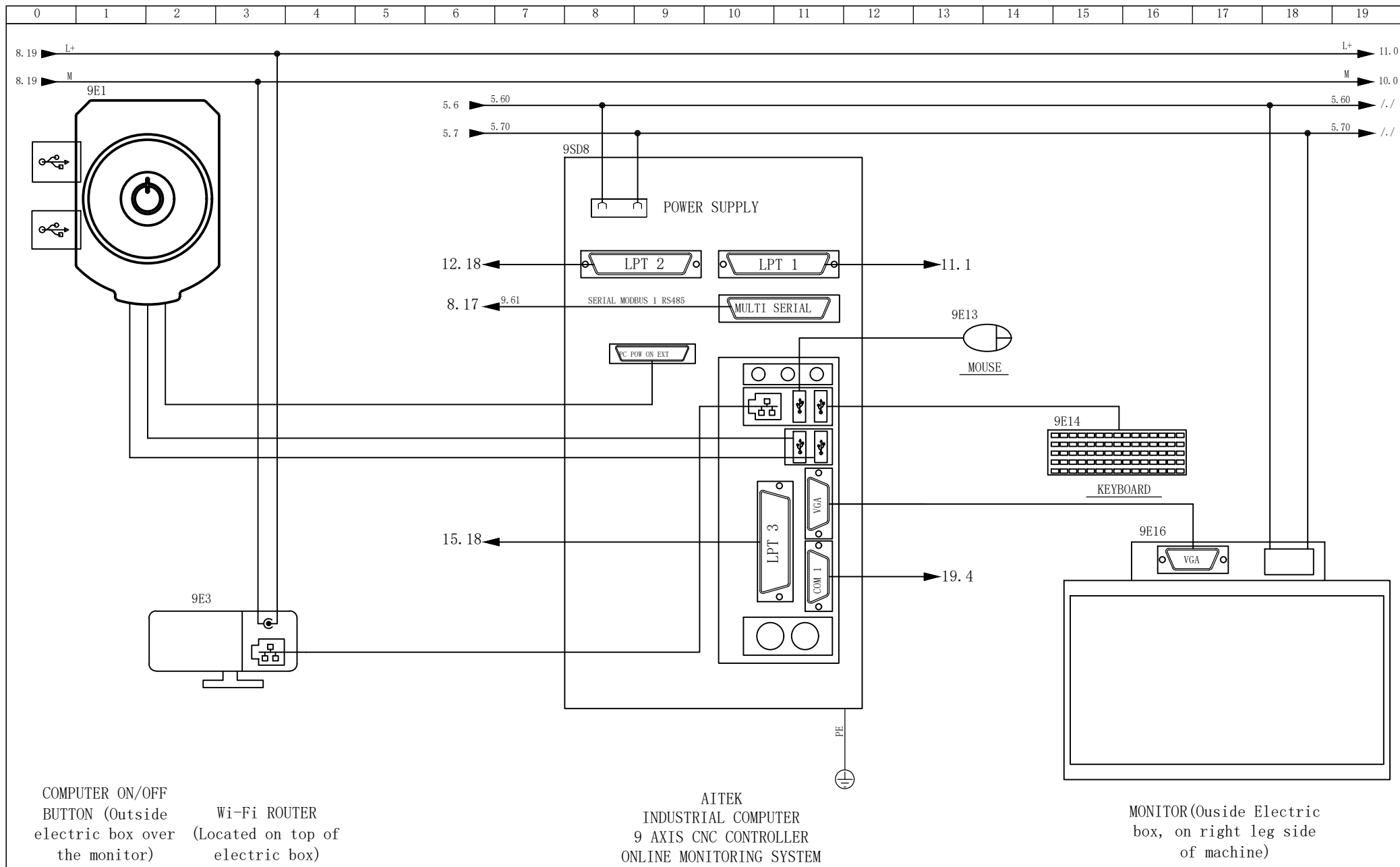


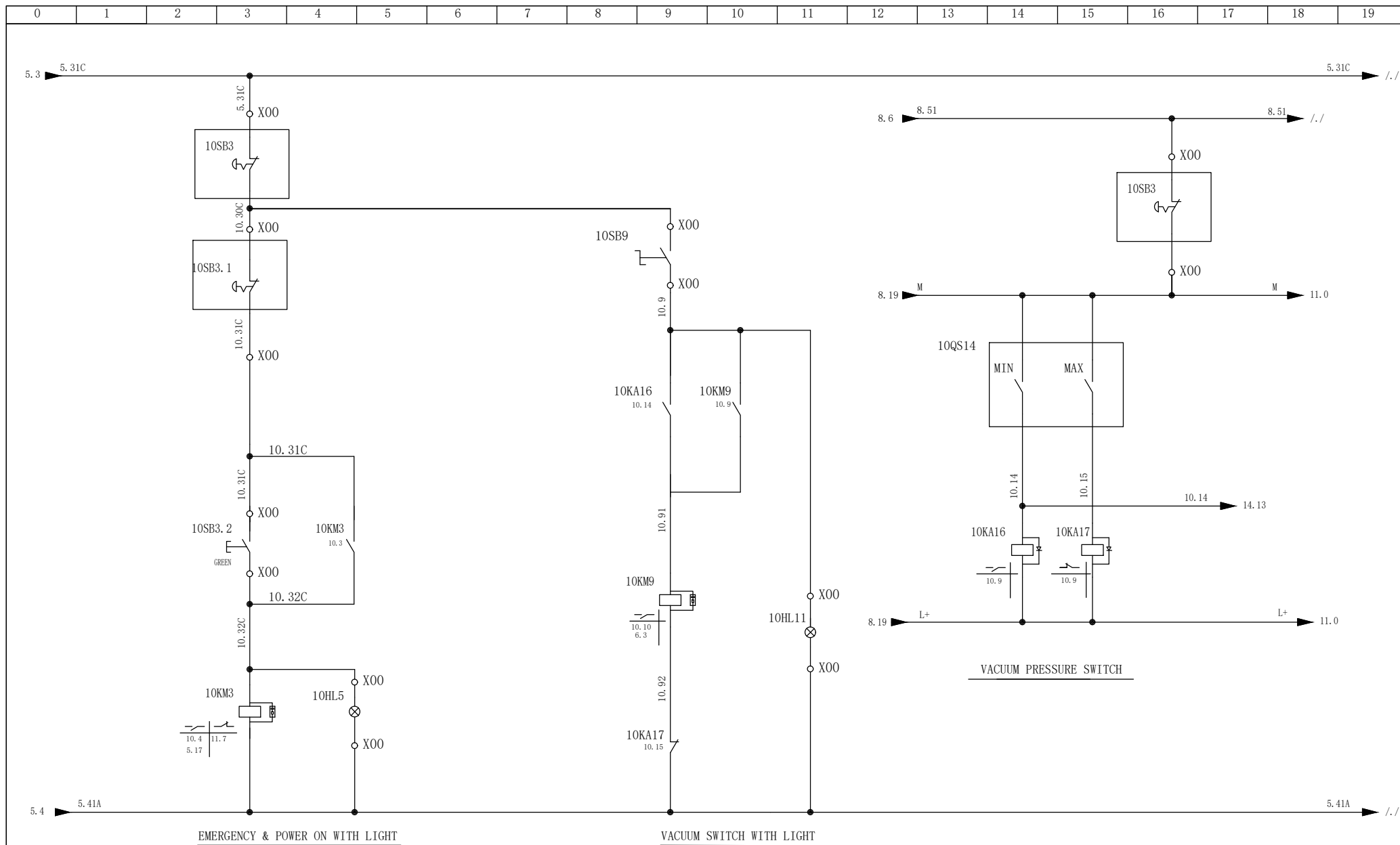


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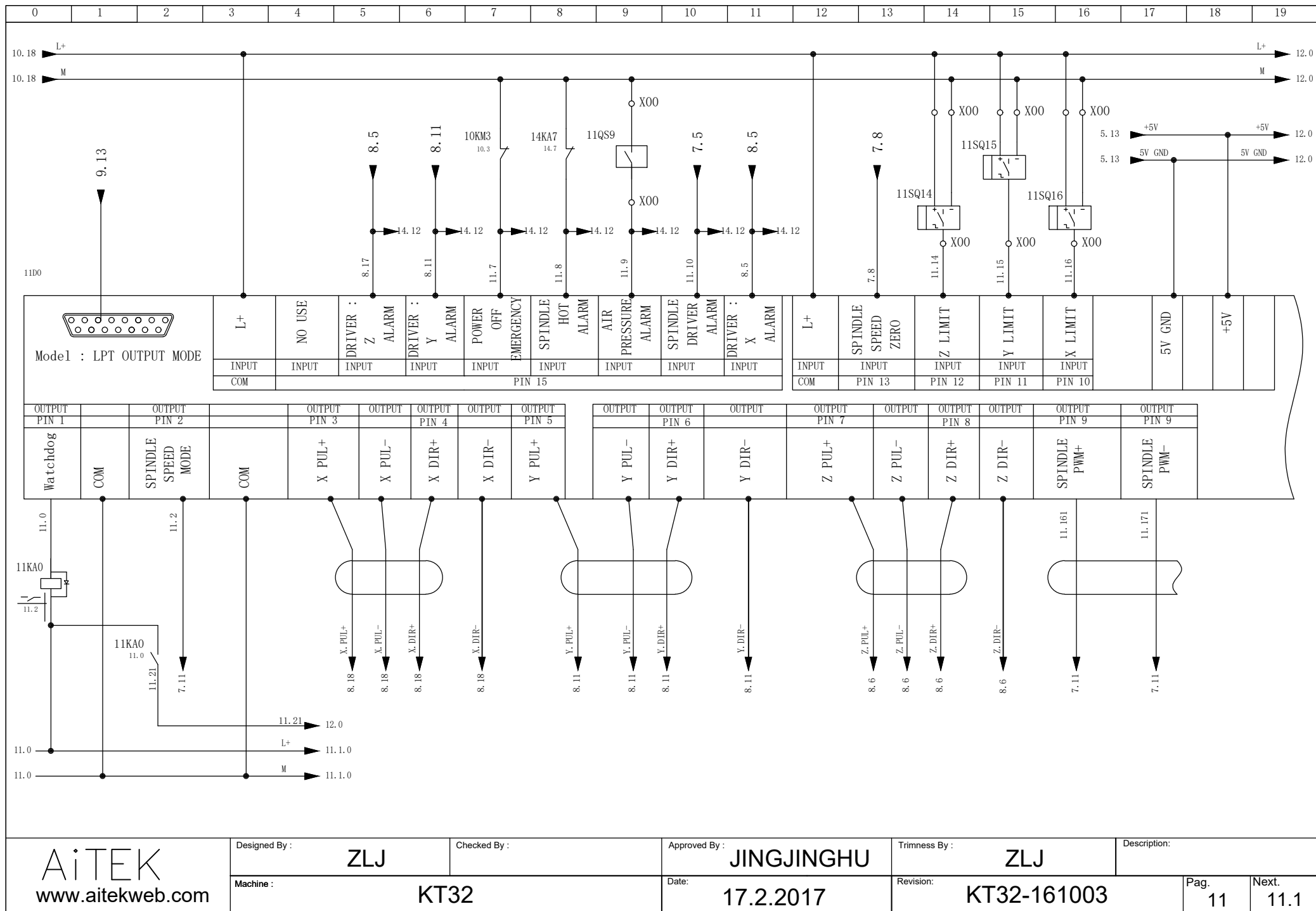




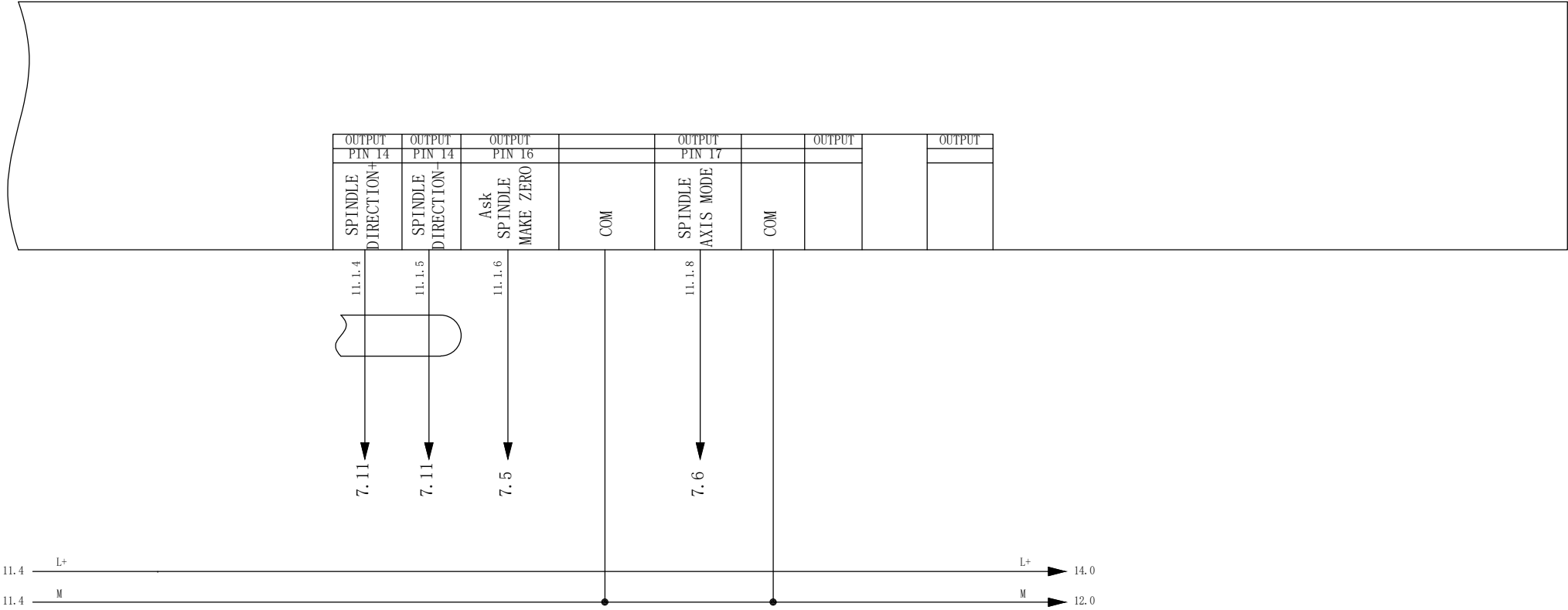


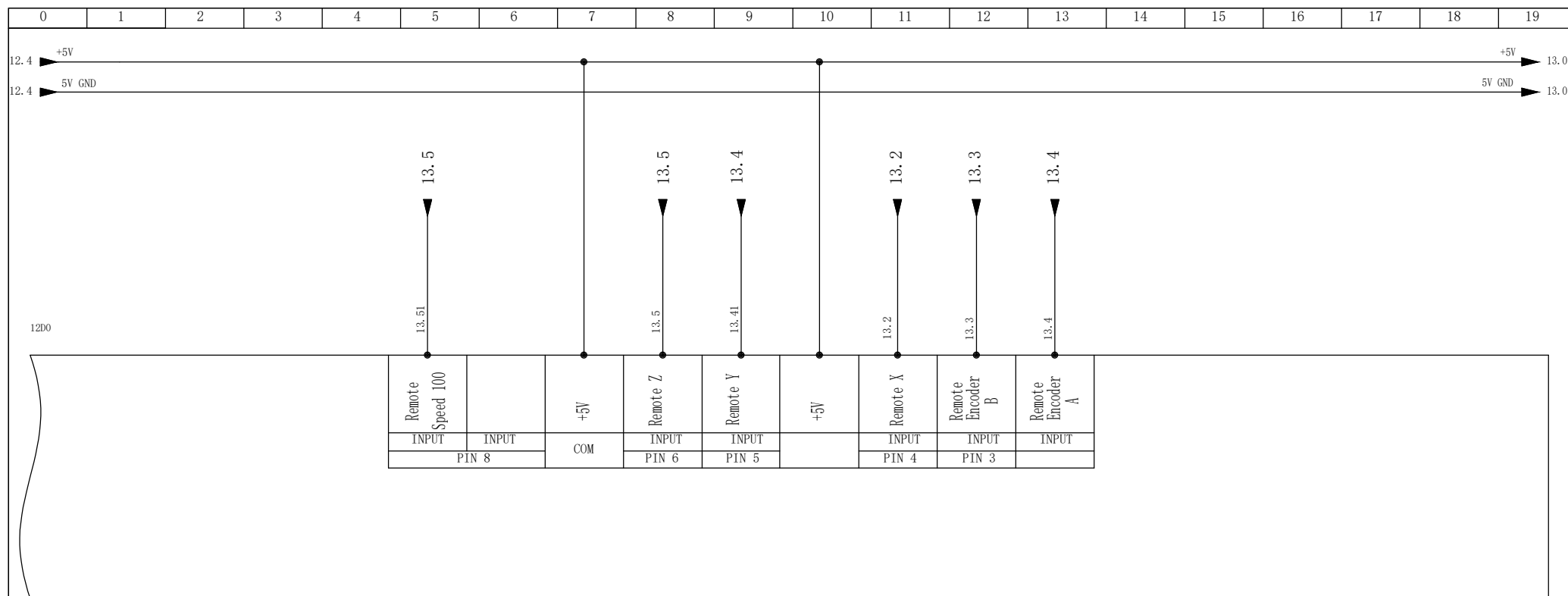


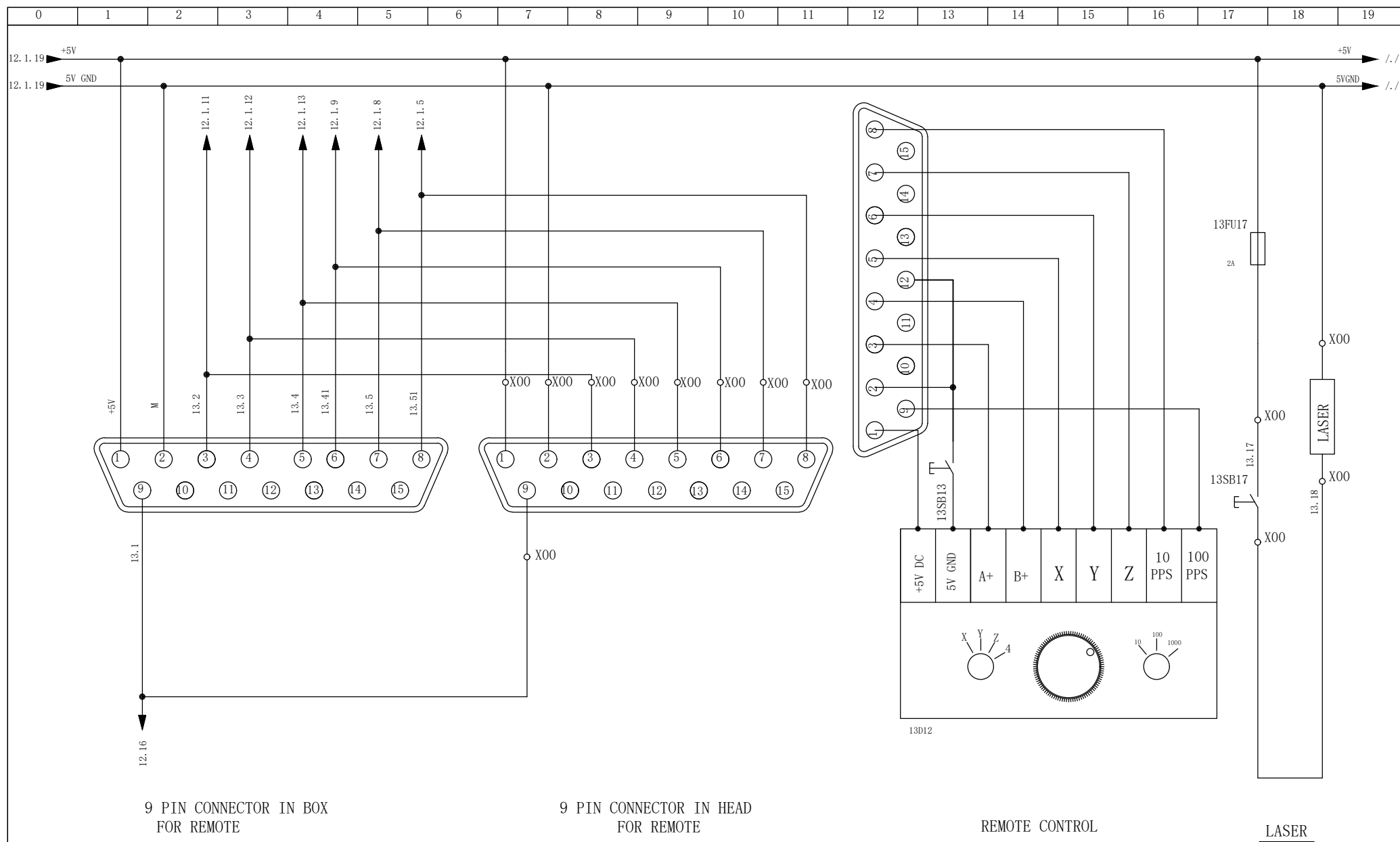
 www.aitekweb.com	Designed By : JINGJINGHU	Checked By :	Approved By : JINGJINGHU	Trimness By : ZLJ	Description:				
	Machine : KT32		Date: 17.2.2017	Revision: KT32-161003	Pag. 10	Next. 11			

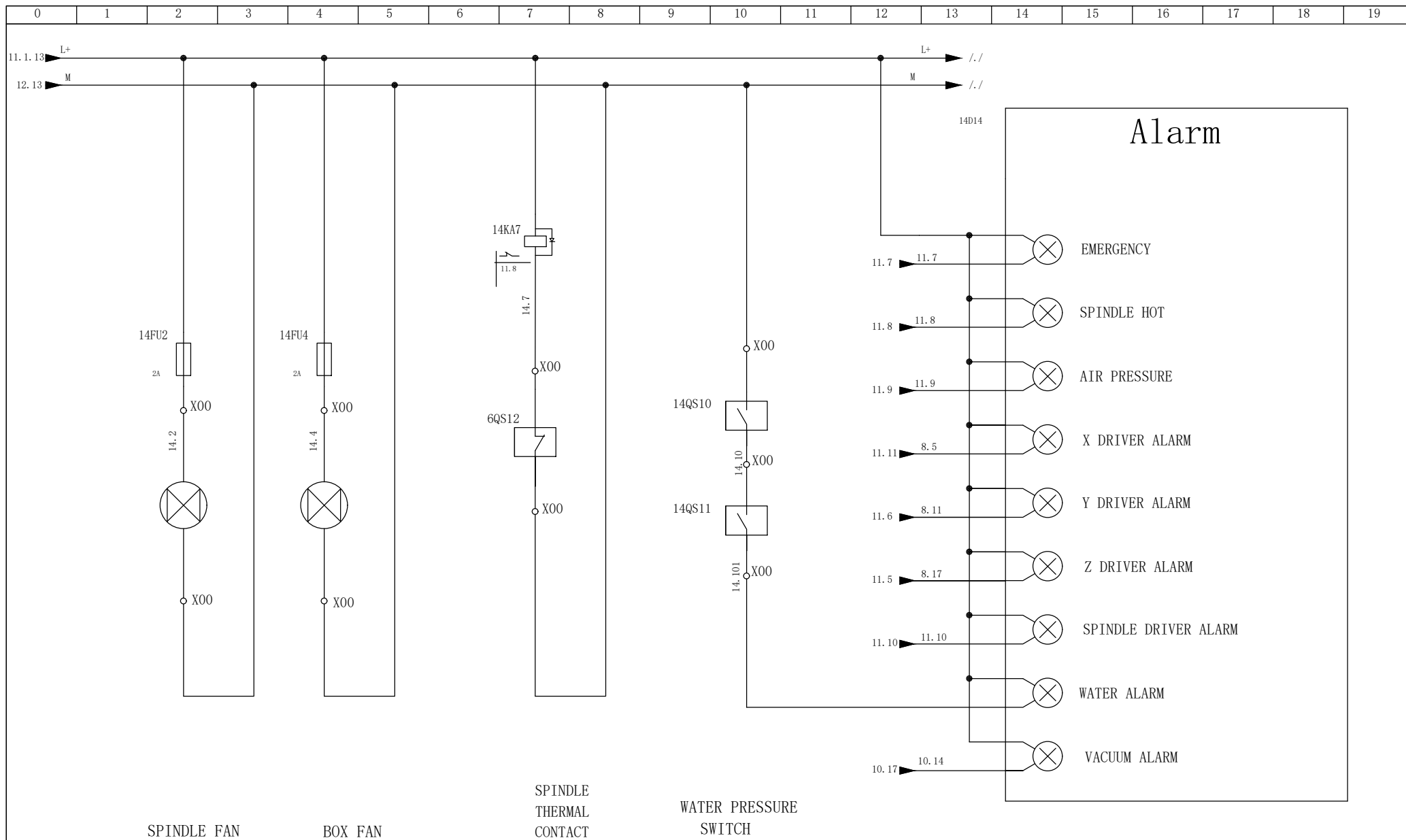


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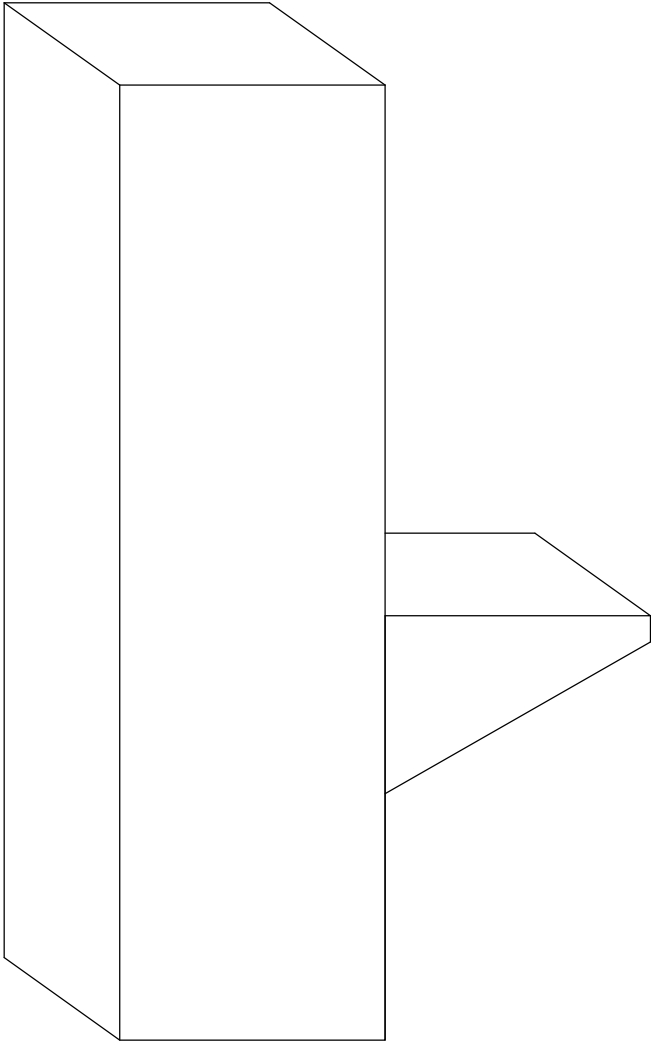
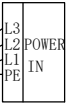
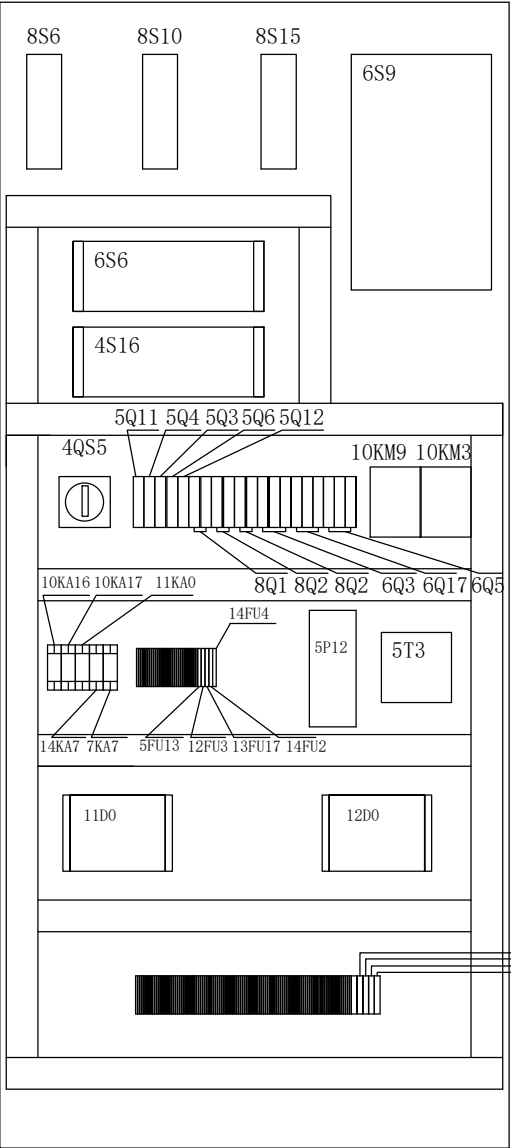




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5	5Q4	Schneider	IC65N 1P D10A
5	5Q6	Schneider	IC65N 1P D10A
5	5Q11	Schneider	C65H-DC 1P C4A
5	5Q12	Schneider	IC65N 1P D10A
5	5P12	WH	D-120B-5V/6A, 24V/4A
5	5FU13	Phoenix	5A-250V
5	--	--	--
6	6Q3	Schneider	IC65N 3P D10A
6	6Q5	Schneider	IC65N 3P D20A
6	6S6	EME TECHNICAL	NF312C36/16
6	6S9	MK	SD-S4T011-S0
6	6M3	WANJING PUMP	2BV2070
6	6M11	--	DHG10-3-48-7.5/11-4-1500
6	6R13	--	1500W 26QJ
8	8Q1	Schneider	IC65N 2P D10A
8	8Q7	Schneider	IC65N 2P D10A
8	8Q13	Schneider	IC65N 2P D10A
8	8S3	Leisai	L5-1300Z
8	8S9	Leisai	L5-1300Z
8	8S15	Leisai	L5-1300Z
8	8M2	Leisai	
8	8M8	Leisai	
8	8M13	Leisai	
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9	9SD8		
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	10SB3.1		
10	10SB3.2	RENY	R2PIF-220
10	10KM3	Schneider	LC1D50AB7C
10	10KM9	Schneider	LC1D18B7C
10	10SB9	RENY	R2SIS-220
10	10QS14	Vacuum Switch	
10	10KA16	Omron	DC 24V
10	10KA17	Omron	DC 24V
11	11D0	Aitek	LPT OUTPUT
11	11SQ14	Jeelon	IPS1-DN02A-S NPN
11	11SQ15	Jeelon	IPS1-DN02A-S NPN
11	11SQ16	Jeelon	IPS1-DN02A-S NPN
11	11QS9	SXPC	QPM11-NC
11	11KA0	Omron	DC 24V
12	12D0	Aitek	LPT INPUT
12	EV12.4	--	Solenoid 24DC
12	EV12.7	--	Solenoid 24DC
12	EV12.9	--	Solenoid 24DC
12	EV12.11	--	Solenoid 24DC
12	12SB9	MiGE	R2PNF-220
12	12SB12	MiGE	R2PNF-220
12	12FU3	Phoenix	2A
13	13D12	Aitek	4A-CNC-Remote
13	13FU17	Phoenix	2A
13	13SB17	MiGE	R2PNF-220
13	LASER		HLM 1230
14	14QS10		Water pressure switch
14	14QS11		Water pressure switch
14	14KA7	Omron	DC 24V
14	14FU2	Phoenix	UK5-HESI
14	14FU4	Phoenix	UK5-HESI
14	14D14	Aitek	Alarm plate



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Name	Description	Range	Default	Units	Name	Description	Range	Default	Units	Name	Description	Range	Default	Units					
E00	Motor base frequency	0.00~500.00	50	Hz	E41	Speed mode direction	0:Default 1:Reverse	0		F19	Position mode input divider	0~60000	1000	-					
E01	Motor Ampare	0.0~500.0	17.5	A	E42	Disable reversed motion	0:Enabled 1:Disabled	0		F20	Homing search Z pulse Acceleration	0~10000	1000	0.1Hz/s					
E02	Motor poles	2~12	4	-	E43	Speed mode control type	0:Normal 1:High-speed	1		F21	Homing speed from Z pulse to Home	0~10000	200	-					
E03	Motor slip parameter (Auto-set by OP 2)	1~900	75	rpm	E44	Position mode control type	0:Realtime,1:Delayed	0		F22	Homing distance from Z pulse to Home	0~60000	*	pps					
E04	Encoder PPS	1~60000	2500	pps	E45	Driver jog direction	0:CW,1:CCW	0		F23	Homing speed to search Z pulse	0~1000	60	rpm					
E05	Motor excitation (field) current	1~100	50	%	E46	Low voltage protection	0:Enabled,1:Disabled	0		F24	Pulse time delay of pulse-home-pulse homing	0~10000	100	2.5ms					
E06	Encoder pulse filter	1~200	20	0.1ms	E60	Motor feedback type	0:Encoder,1:Resolver	0		F25	Homing call type	0:high-home-low pulse-home-pulse	0	-					
E07	Motor zero speed slip compensation	1~100	60	%	E61	Control pulse type	0:AB pulse 1: Direction + Pulse 2: CW pulse 3: AB (no multiplier)	1											
E08	Motor slip compensation above base frequency	0~150	30	%	E62	Encoder phase selection	0:A Leads B,1:B Leads A	1		F26	Homing mode type	0: CW homing 1: CCW homing 2: Nearest without check Z pulse	0	-					
E10	Speed mode motor slip reference	1~900	75	rpm	E63	Motor overheat protection	0:Disabled 1:N.O. protection 2:N.C. protection	0		F27	Second homing adjustment	0~60000	1500	pps					
E11	Speed mode motor slip gain	1~100	60	-					F30	Emergency stop deceleration	0~10000	800	0.05Hz/s						
E12	Position mode motor slip reference	1~900	30	rpm	E64	Feedback pulse direction	0:Default ,1:Reverse	1		F31	Emergency stop delay	0~10000	0	2.5ms					
E20	Acceleration torque limiter	0~200	180	-	E65	Z pulse feedback	0:Disabled,1:Enabled	0		F32	Rigid tapping high speed	1~300	1500	rpm					
E21	Deceleration Torque limiter	0~200	120	-	F00	Maximum speed (speed mode)	1~15000	8000	rpm	F33	Rigid tapping acceleration	0~10000	2000	0.05Hz/s					
E22	Torque saturation gain	0~550	500	-	F01	Minimum speed (speed mode)	0~100	0	rpm	F34	Rigid tapping analog resolution	1~1000	2	-					
E23	S-curve parameter	1~20000	530	-	F02	Low-speed Acceleration (speed mode)	0~10000	1000	0.05Hz/s	F35	Swing angle	0~3600°	180	°					
E24	Steady speed PID integral constant	1~500.00	50.00	Hz	F03	Low-speed Deceleration (speed mode)	0~10000	1000	0.05Hz/s	F36	Swing speed	1~300	60	rpm					
E25	Acceleration and deceleration PID integral constant	1~500.00	40.00	Hz	F04	Low to High speed threshold	0~15000	3000	rpm	F37	Swing torque	0~1000	500	%					
					F05	High-speed Acceleration (speed mode)	0~10000	1000	0.05Hz/s	F38	Driver Jog speed	1~1500	120	rpm					
E30	PID Proportional gain	0~100	80	%	F06	High-speed Deceleration (speed mode)	0~10000	200	0.05Hz/s	F39	Driver Jog acceleration	0~10000	500	0.05Hz/s					
E31	PID Integral gain	0~150	10	%	F07	Speed mode speed approximation	0~300	45	rpm	F40	Speed mode resolution	1~10000	10	rpm					
E32	PID Zero-speed current gain	1~100	40	%	F08	Speed mode input multiplier	0~60000	2	-	F41	Analog filter time constant	5~10000	200	0.1ms					
E33	PID Current gain	1~150	60	1/10	F09	Speed mode input divider	0~60000	1	-	F42	Zero Volt deadband	0~4000	2000	-					
E34	PID Current gain thresholds	1~300.00	30.00	Hz	F10	Maximum RPM (position mode)	1~15000	300	rpm	F43	Analog forward points	0~15000	3000	rpm					
E35	PID Speed close-ring time constant	1~1000	20	0.1ms	F11	The minimum speed (position mode)	0~60	1	rpm	F44	First paragraph of positive bias	0~4000	2000	-					
E36	PID Steady speed time constant	1~20000	1000	0.1ms	F12	Accelerating rigid (position mode)	0~10000	800	0.05Hz/s	F45	Second paragraph of positive bias	0~4000	2000	-					
E37	PID Acceleration time constant	1~20000	100	0.1ms	F13	Speed reducer rigid (position mode)	0~10000	600	0.1Hz/s	F46	± 10V negative points	0~15000	3000	rpm					
E38	PID Deceleration time constant	1~20000	2000	0.1ms	F14	Input filter time	1~10000	0	0.1ms	F47	± 10V negative first paragraph offset	0~4000	2000	-					
E39	PID Positioning close-ring in tegral time constant	1~1000	1000	0.1ms	F15	Inertia correction	0~60000	200	pps	F48	± 10V negative paragraph offset	0~4000	2000	-					
					F16	Crawling before the end position pulse	0~60000	20	pps										
E40	Speed mode input type	0: 0 ~ 10V 1: ± 10V 2: PPS	2		F17	Position mode accuracy	1~250	1	pps										
					F18	Position mode input multiplier	0~60000	1000	0.05Hz/s										

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	Machine : KT32	Date: 15.10.2016	Revision: KT32-161003	Pag. 17	Next. /./			