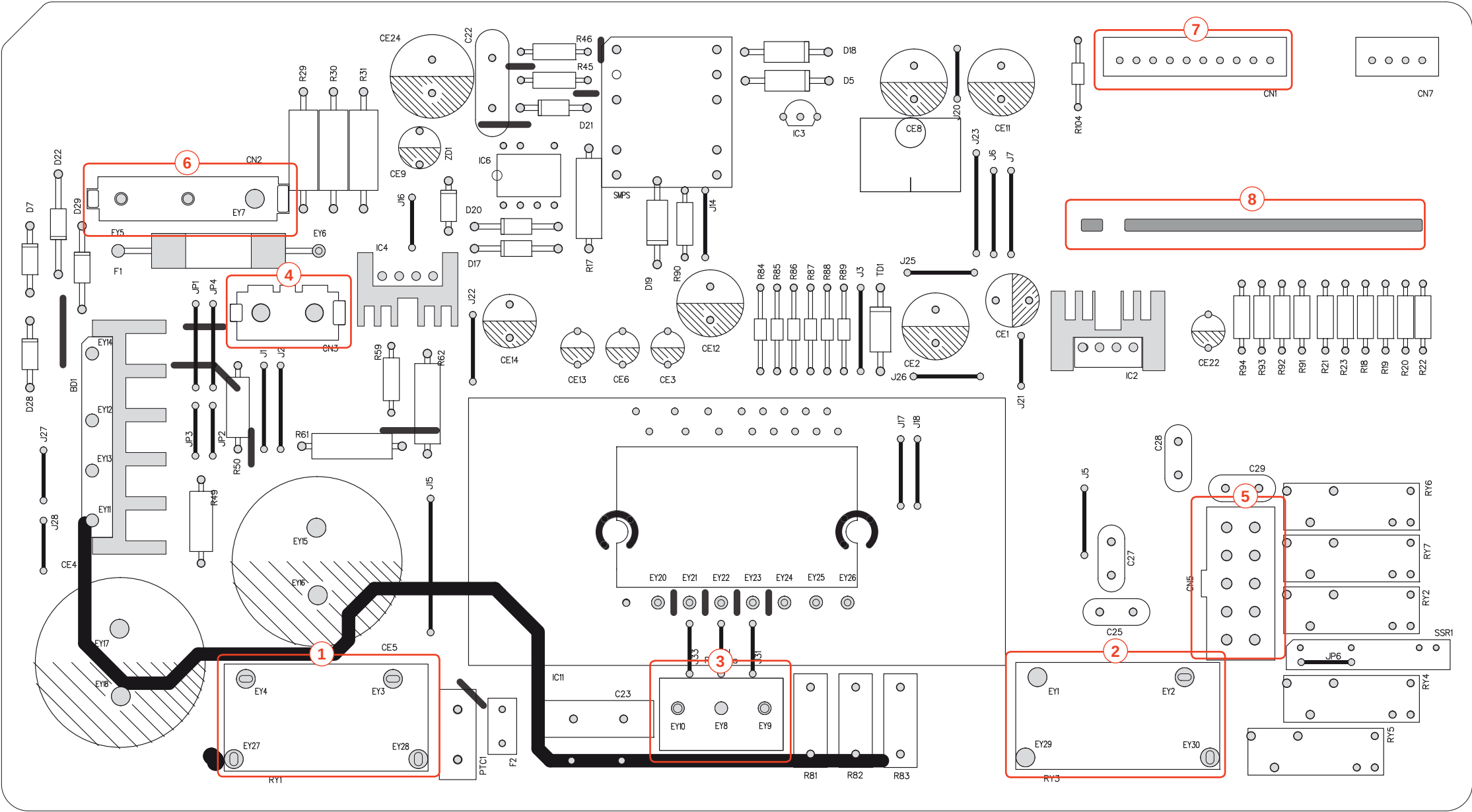


5. PCB DIAGRAM

5-1. MAIN PCB

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Location	Part No.	Function	Description
1	RY1	POWER SUPPLY RELAY	Receive 230V AC to operate PBA
2	RY3	HEATER RELAY	Heater power output
3	CN4	MOTOR CONTROL TERMINAL	Motor signal output
4	CN3	REACTOR TERMINAL	Connect with the Reactor
5	CN5	DRIVING SECTION TERMINAL	Signal Output for door lock, water valve, drain pump and bubble pump.
6	CN2	POWER SUPPLY AND DOOR CHECK TERMINAL	Receive 230V AC to operate PBA and Door lock check
7	CN1	SUB PBA CONNECTION TERMINAL	Connect with SUB PBA
8	-	CONTROLLER BOARD	Control whole PBA and have Program Update terminal

5-2. CIRCUIT DIAGRAMS OF MAIN PARTS

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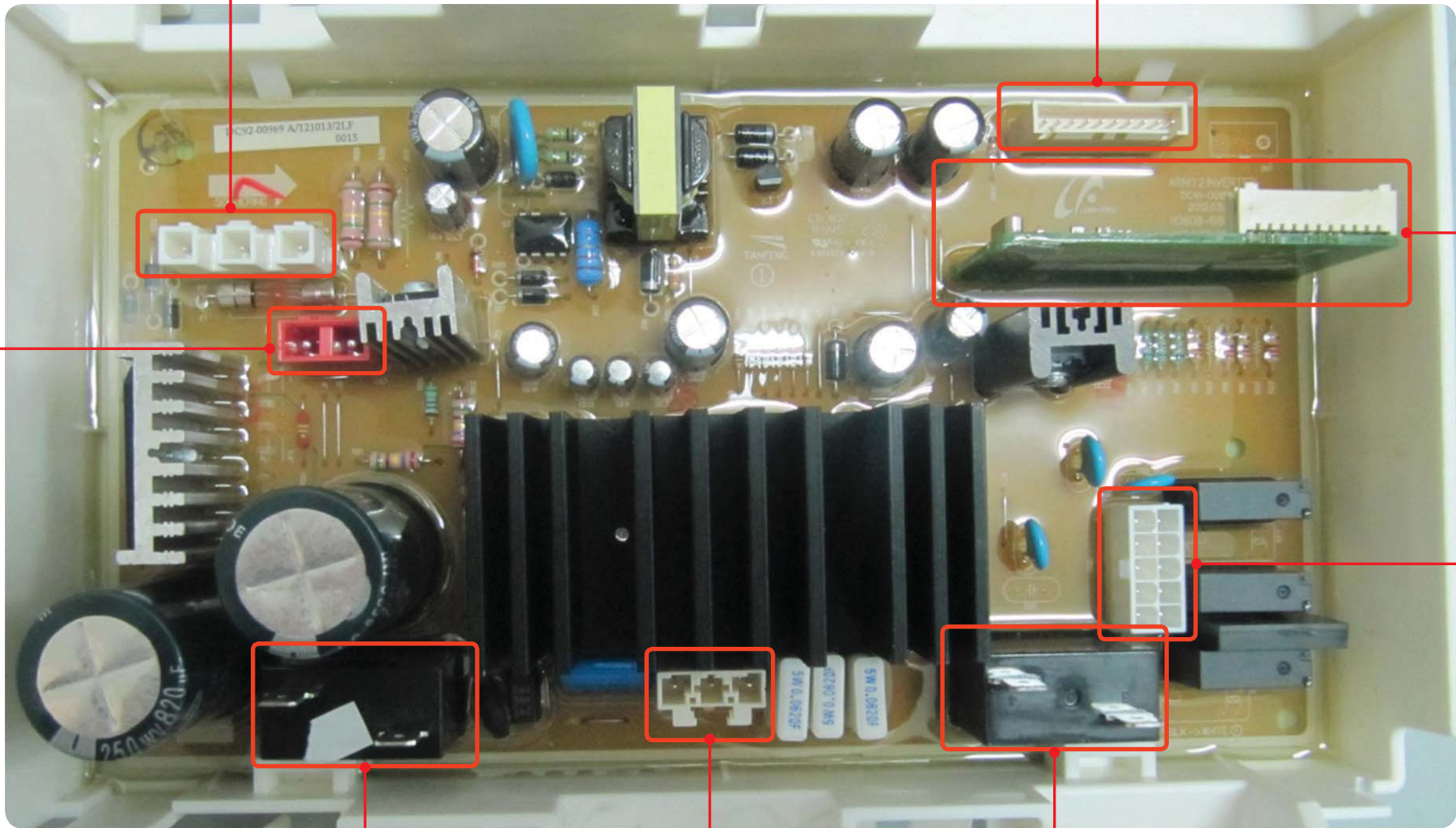
- **CN1**
- 1. Main Tx (Sub Rx) Signal
 - 2. Main Rx (Sub Tx) Signal
 - 3. Sub Reset Signal
 - 4. 5V
 - 5. GND
 - 6. 15V
 - 7. N.C
 - 8. N.C
 - 9. Standby Signal
 - 10. N.C

- **CN2**
- 1. Power Signal
 - 2. Door lock/unlock Check Signal
 - 3. N.C

- **Controller Board**
- 1. 5V for Program Update
 - 2. RESET for Program Update
 - 3. Signal for Program Update
 - 4. Signal for Program Update
 - 5. Signal for Program Update
 - 6. Signal for Program Update
 - 7. Signal for Program Update
 - 8. GDN for Program Update
 - 9. Tx for Program Update
 - 10. Rx for Program Update
 - 11. BOOT signal for Program Update

- **CN5**
- 1. N.C
 - 2. Bubble Pump
 - 3. Drain Pump
 - 4. N.C
 - 5. Door Lock
 - 6. N.C
 - 7. PRE VALVE
 - 8. COLD VALVE
 - 9. HOT VALVE
 - 10. N.C

- **CN3**
- 1. Reactor Connection
 - 2. Reactor Connection



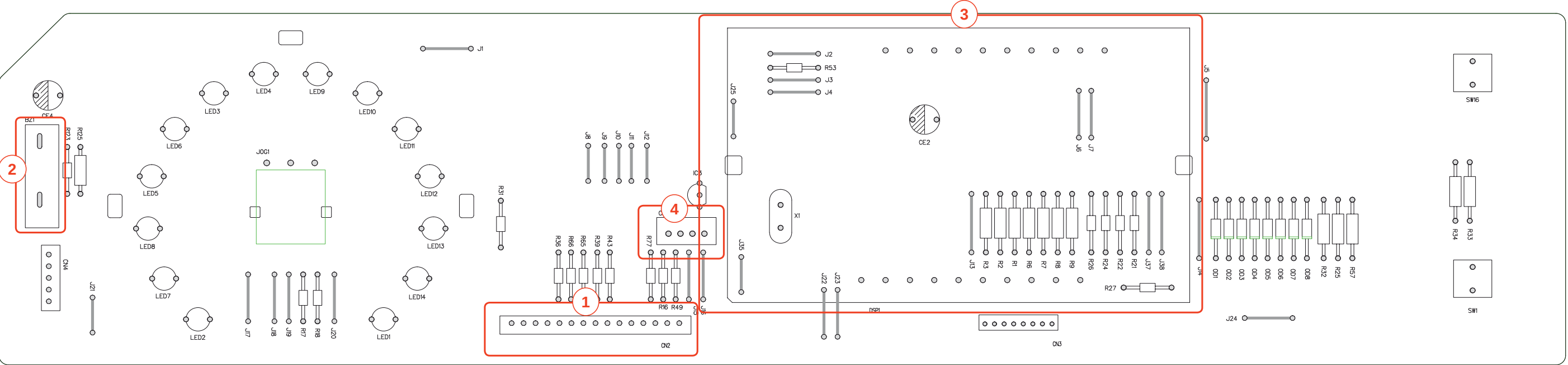
- **Relay**
RY1 Power Relay

- **CN4**
- 1. Motor Signal U
 - 2. Motor Signal V
 - 3. Motor Signal W

- **Relay**
RY3 Heater Relay

5-3. F500 BEST

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Location	Part No.	Function	Description
1	CN2	COMMUNICATION TERMINAL (MAIN PBA)	Connect with MAIN PCB
2	BZ1	BUZZER	Make sound for key input, or program finish, etc.
3	DSP1	GRAPHIC DISPLAY	Display information about selected Operation Mode.
4	CN1	PROGRAM UPDATE TERMINAL	Terminal for program update

5-4. DETAILED DESCRIPTIONS OF CONTACT TERMINALS (SUB PCB)

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