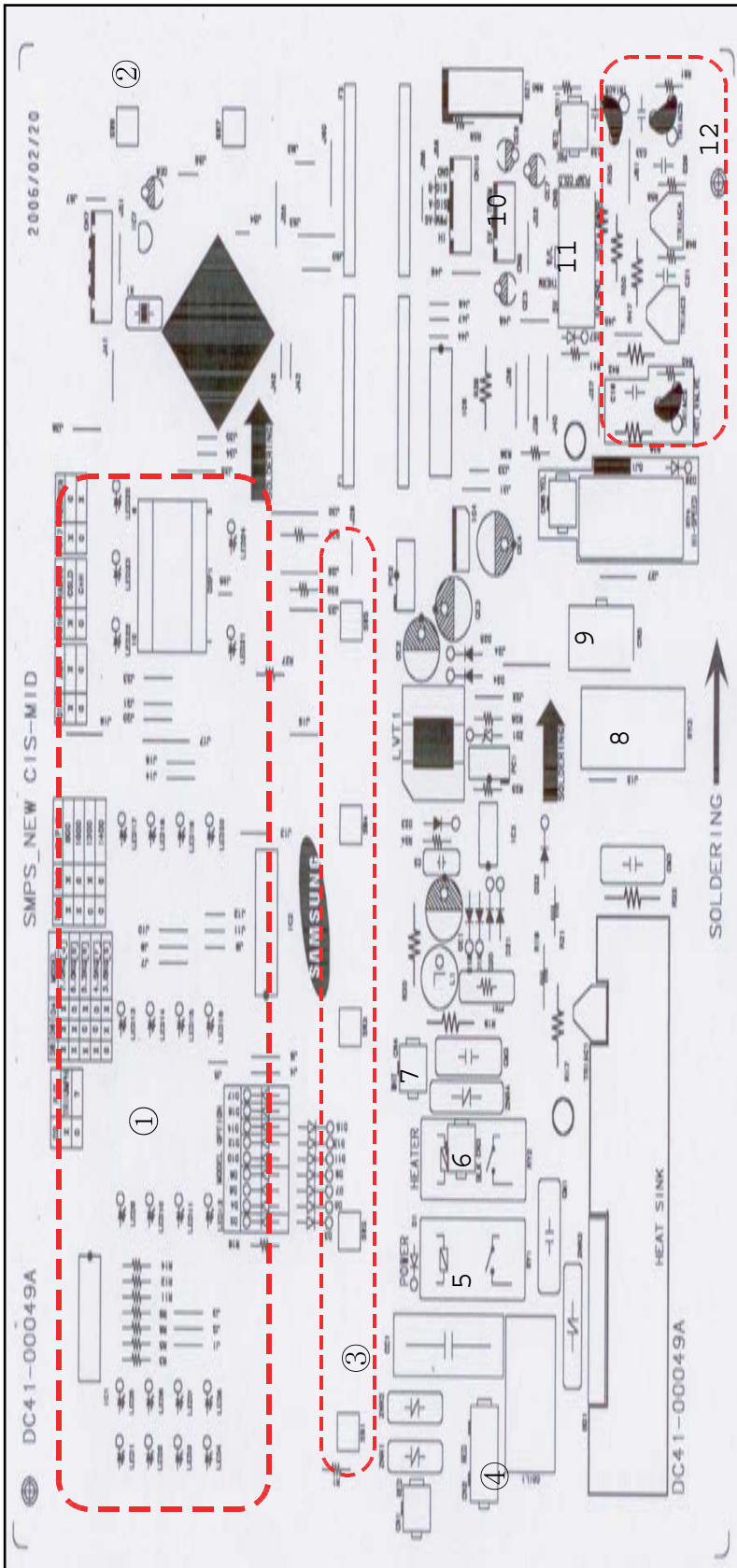


9. WIRING DIAGRAM

9-1. PCB ASSY' LAYOUT

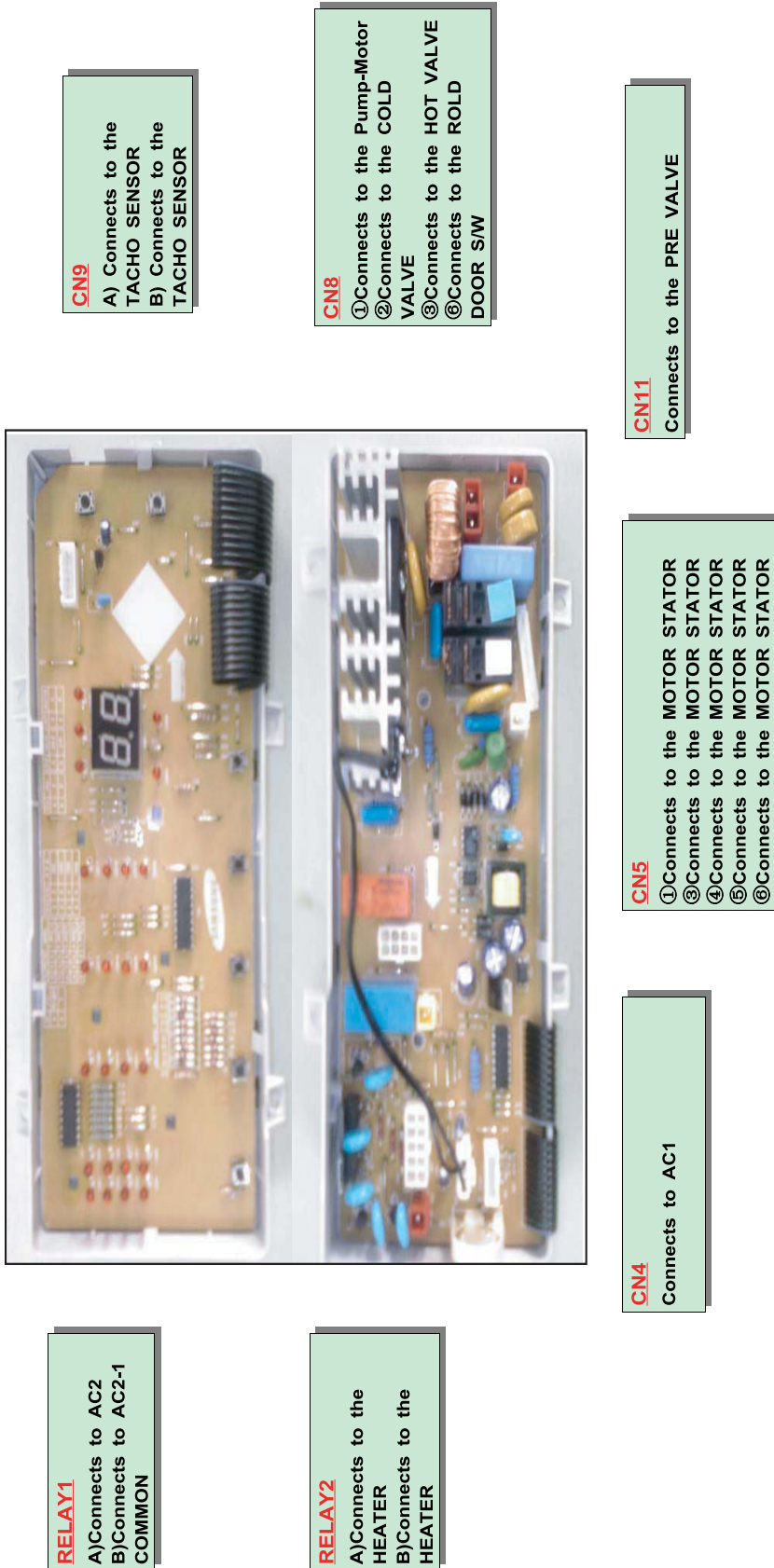


Item	Part Number	Description
14	CN8	Connect the driving system wire
15	CN11	Connect to the pre valve wire
16	CN10	Connect to the silver nano wire
17	CN9	Connect to the heat sink thermistor

Item	Part Number	Description
8	BD1	Convert AC into DC for motor power
9	Triac2	Control motor on/off
10	RY3	Control direction of motor
11	CN5	Connects to the wire of motor
12	RY4	Control on/off as high RPM
13	Operating part	Operating parts as cold/hot/drain/door

Item	Part Number	Description
1	Display	Displays or indicates operations or functions
2	Power_key	Turns the power on/off
3	Start_key	Starts/stops an option
4	key	Selects and processes each function
5	CN1	Connect to the GND Wire
6	CN2	Detects if the door is open or closed
7	CN4	Connect to the AC1 Wire

9-2. Connector & Relay Terminals Description (MAIN PCB)



RELAY1
 A) Connects to AC2
 B) Connects to AC2-1
 COMMON

RELAY2
 A) Connects to the
 HEATER
 B) Connects to the
 HEATER

CN9
 A) Connects to the
 TACHO SENSOR
 B) Connects to the
 TACHO SENSOR

CN8
 ① Connects to the Pump-Motor
 ② Connects to the COLD
 VALVE
 ③ Connects to the HOT VALVE
 ④ Connects to the ROLD
 DOOR S/W

CN4
 Connects to AC1

CN5
 ① Connects to the MOTOR STATOR
 ③ Connects to the MOTOR STATOR
 ④ Connects to the MOTOR STATOR
 ⑤ Connects to the MOTOR STATOR
 ⑥ Connects to the MOTOR STATOR

CN11
 Connects to the PRE VALVE