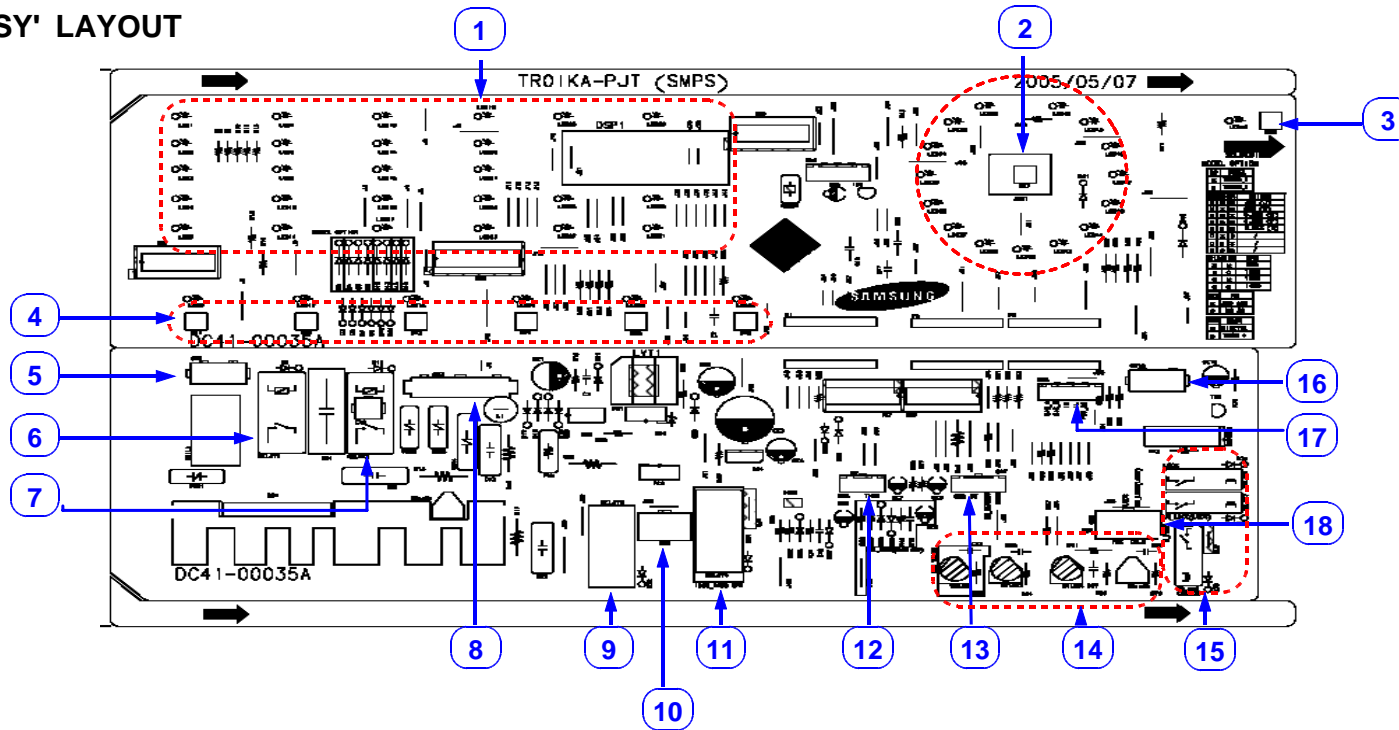


9. WIRING DIAGRAM

9-1. PCB ASSY' LAYOUT



Item	Part Number	Description
1	Display	Displays or indicates operations or functions
2	Jog_Dial	Starts/stops an operation to select a course
3	Power_key	Turns the power on/off
4	Key	Selects and processes each function
5	CN1	Detects if the door is open or closed
6	RELAY1	In case of Power_On/Off, supplies or disconnects AC power
7	RELAY2	Disconnects Power from the Heater

Item	Part Number	Description
8	CN3	AC1과 GND를 연결함
9	RELAY3	Motor의 정/역 방향을 제어함
10	CN4	Motor의 동작 Wire를 연결함
11	RELAY4	고 RPM진행시 On/Off 제어함
12	CN6	Heat Sink의 온도Sensor를 연결함
13	CN7	수위, 온도Sensor를 연결함
14	구동부	냉/온/Pre/Drain 동작용 부품

Item	Part Number	Description
15	Door System	Parts for Door Lock/Unlock
16	CN10	Connects Motor Tacho Sensor
17	CN8	Connects the silver nano wire
18	CN9	Connects the driving system wire

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

RELAY1

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

RELAY2

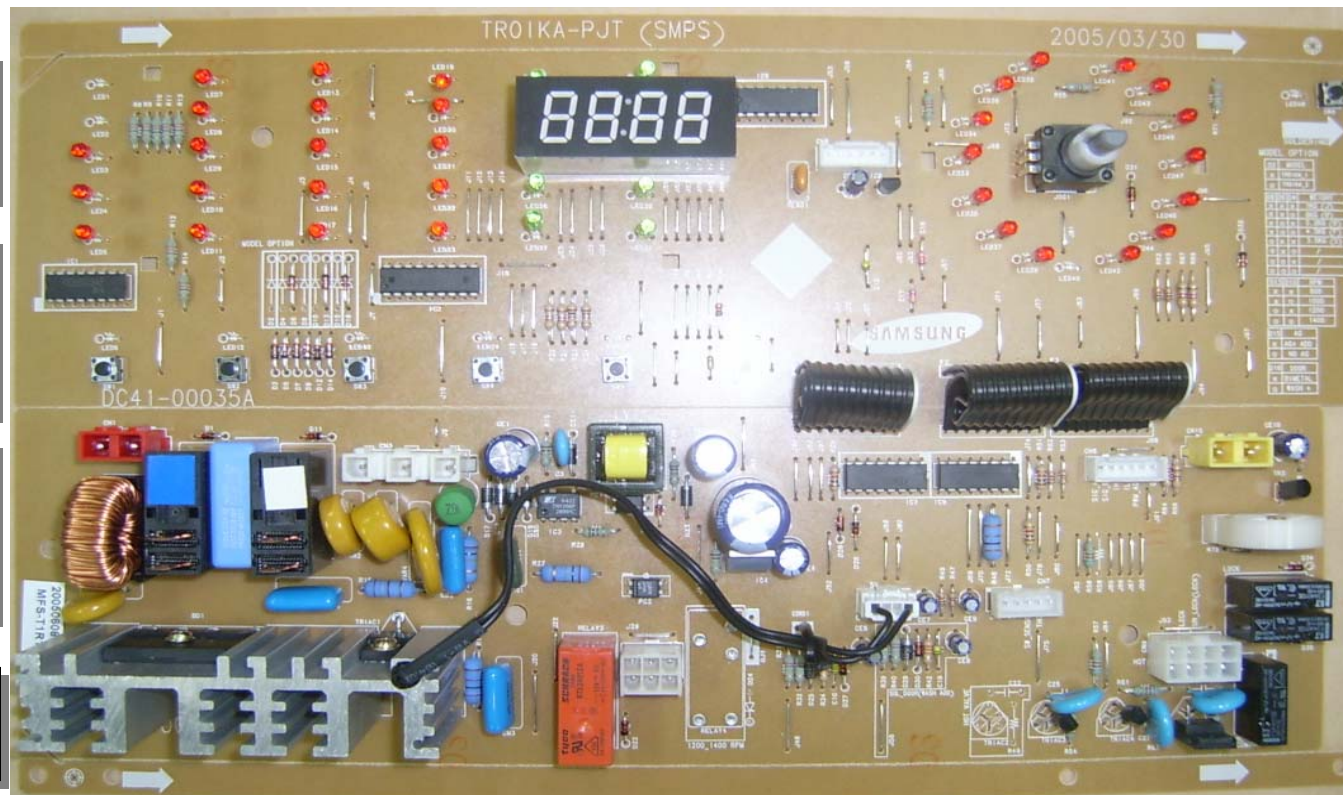
- A) Connects to the HEATER
- B) Connects to the HEATER

CN1

- A) Connects to the DOOR LOCK Signal
- B) Connects to the DOOR LOCK Signal

CN3

- ② Connects to AC1
- ③ Connects to GROUND



CN8

- ① Connects to SIG-A
- ② Connects to SIG-B
- ③ Connects to IH
- ⑤ Connects to PWM
- ⑥ Connects to GROUND

CN10

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

CN4

- 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

CN6

- ① Connects to the TEMP SENSOR
- ④ Connects to the TEMP SENSOR

CN7

- ① Connects to GROUND
- ② Connects to 5V
- ③ Connects to 5V
- ④ Connects to the WATER SENSOR
- ⑤ Connects to the TEMP SENSOR

CN9

- ① Connects to the DRAIN-MOTOR
- ② Connects to the COLD VALVE
- ③ Connects to the PRE VALVE
- ④ Connects to the HOT VALVE
- ⑥ Connects to the ROLD DOOR S/W