

08/2021

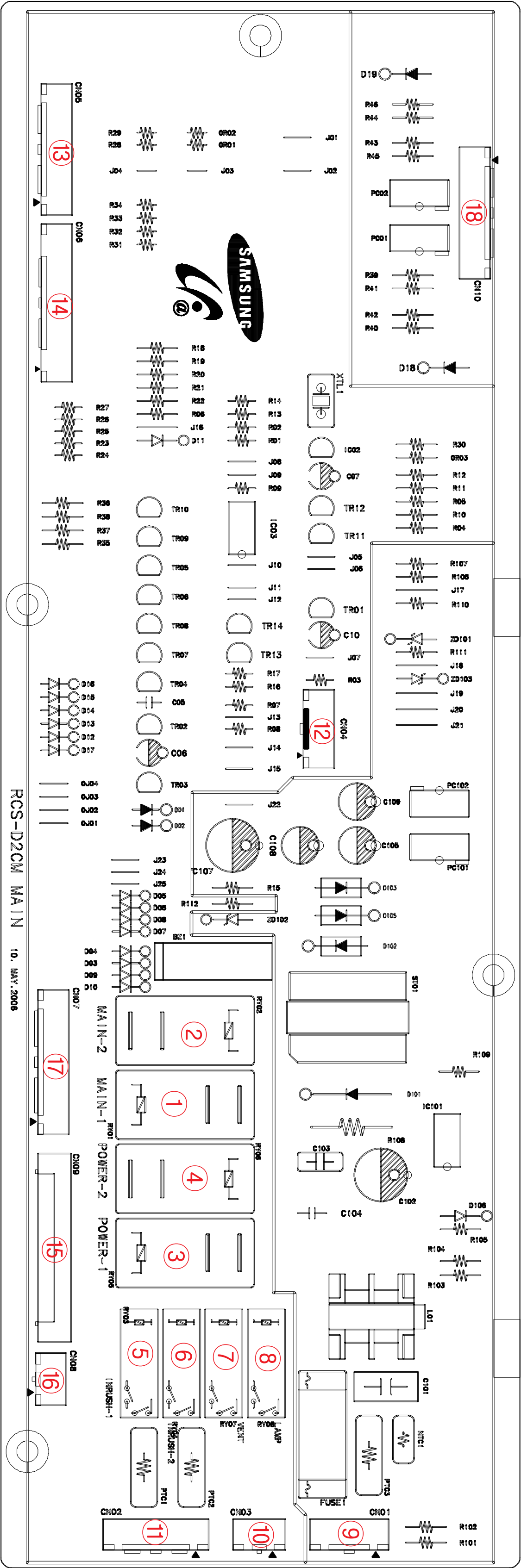
Mod:CM1529/N

Production code:MJ26A6053AT

5-1 PCB Diagrams

(This Document can not be used without Samsung's authorization)

No.	Parts Number	Part Name	Function and Rule
1	RY01	Main-1 Relay	MW-1, Lamp, Fan Control
2	RY02	Main-2 Relay	MW-2 Control (Model Option)
3	RY03	Inrush-1 Relay	When supply power to MW-1, Inrush Electric Current Decrease
4	RY04	Inrush-2 Relay	When supply power to MW-1, Inrush Electric Current Decrease (Model Option)
5	RY05	Power-1 Relay	MW-1 Power Control
6	RY06	Power-2 Relay	MW-2 Power Control (Model Option)
7	RY07	VENT Relay	Fan Motor Control
8	RY08	LAMP Relay	Lamp Motor Control
9	CN01	Power Connector	A Terminal for Connecting with Power supply
10	CN02	Relay Connector	A Terminal for Connecting with Lamp Relay Contact (Load Control)
11	CN03	Inrush Relay Connector	A Terminal for Connecting with Vent Relay & Inrush Relay1,2 Contact
12	CN04	Door switch and Humidity Sensing Connector	A Terminal for Connecting with Door Switch , Humidity Sensor
13	CN05	Display Connector 1	A Terminal for Connecting with Display
14	CN06	Display Connector 2	A Terminal for Connecting with Display
15	CN07	Membrane switch Connector	A Terminal for Connecting with Membrane switch (Model Option)
16	CN08	Tact switch Connector	A Terminal for Connecting with Tact Switch (Start and Cancel) (Model Option)
17	CN09	Tact & Encoder switch Connector	A Terminal for Connecting with Tact , Encoder Switch (Model Option)
18	CN09	MW1,2 Power Detector Connector	A Terminal for Connecting with MW1,2 Power Detector Connector



The diagram illustrates the electrical system of a microwave oven, divided into two main sections: the primary power section (left) and the high-voltage section (right).

Primary Power Section (Left):

- Power Cord:** 240V/230V, 50HZ, with lines L, N, and G.
- Fuses:** FUSE 1 (250 V 10 A) and FUSE 2 (250 V 10 A).
- Switches:** PRIMARY SWITCH 1 and PRIMARY SWITCH 2.
- Relays:** LAMP RELAY, MOTOR RELAY, INRUSH RELAY 1, INRUSH RELAY 2, and MAIN RELAY.
- Motors:** LAMP * 2 (230V25W), VENT. MOTOR, and two A-MOTORS (AM1, AM2).
- Wiring:** Various colored wires (BRN, BLU, WHT, GRY, RED, YEL, PNK, ORG) connect the components.

High-Voltage Section (Right):

- Transformer:** H.V. T. 1 and H.V. T. 2.
- Capacitors:** H.V. CAPACITOR 1 and H.V. CAPACITOR 2.
- Fuses:** H.V. FUSE 1 and H.V. FUSE 2.
- Diodes:** H.V. DIODE 1 and H.V. DIODE 2.
- Magnetron:** MAGNETRON 1 and MAGNETRON 2.

NOTE:

- DOOR IS OPENED
- :PCB PATTERN