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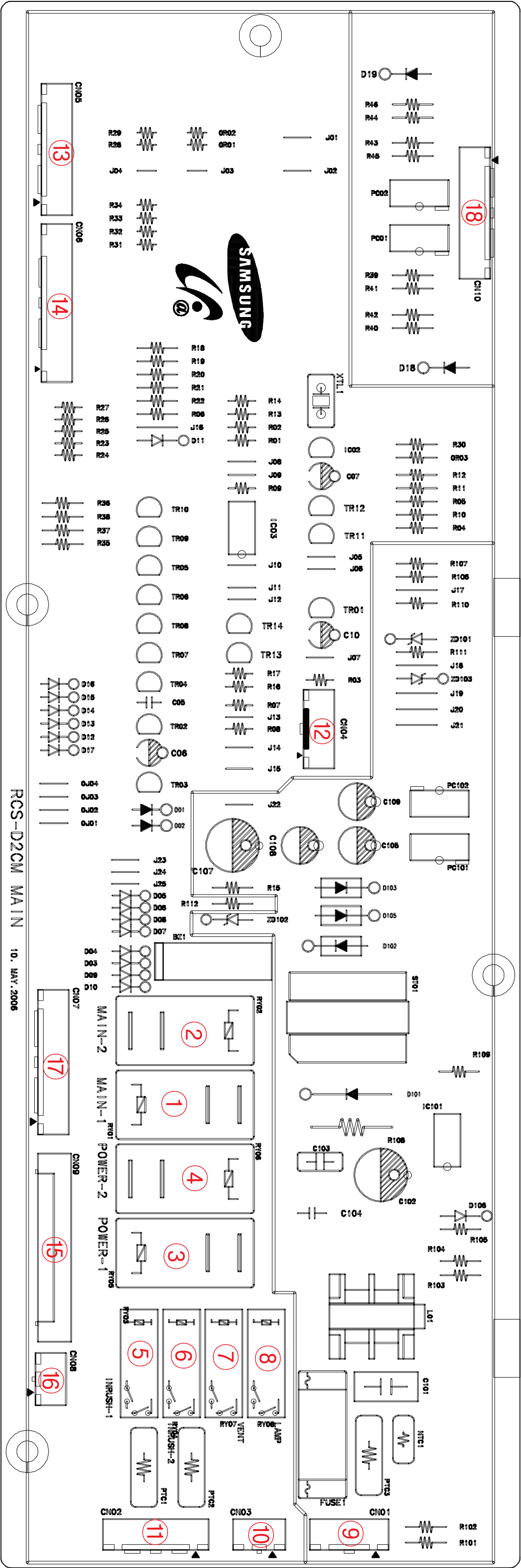
Mod:CM1929/N

Production code: MJ26A6093AT

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 circuitry of a microwave oven, divided into two main sections representing different operational states or configurations.

- Top Section (Left):** Shows the initial state where the door is opened. Key components include:
 - Power Cord:** 240V/230V, 50HZ, connected to L, N, and ground.
 - Fuses:** FUSE 1) 250 V 10 A and FUSE 2).
 - Switches:** PRIMARY SWITCH 1), MGT TCO, CEC 1, CEC 2, MONITOR SWITCH 1).
 - Relays:** LAMP RELAY, MOTOR RELAY, INRUSH RELAY 1), POWER RELAY 1).
 - Motors/Lamps:** VM (Vent Motor), CAP., VENT. MOTOR, AM2 A-MOTOR, AM1 A-MOTOR, LAMP * 2 (230V25W).
 - Sensors/Components:** FLAME TCO, RESISTOR 1), IND., C2, MAIN RELAY.
 - H.V. Section:** H.V.T 1), H.V.FUSE 1), H.V.CAPACITOR 1), H.V.DIODE 1), MAGNETRON 1).
- Bottom Section (Right):** Shows the PCB pattern or a second configuration. Key components include:
 - Primary Switch 2)**
 - Inrush Relay 2)**
 - Resistor 2)**
 - Monitor Switch 2)**
 - H.V. Section:** H.V.T 2), H.V.FUSE 2), H.V.CAPACITOR 2), H.V.DIODE 2), MAGNETRON 2).
- Central Components:**
 - Monitor Fuse:** (250 V 1.6 A)
 - Color-Coded Wires:** Various colors are used throughout the circuit, such as (BRN), (BLU), (RED), (ORG), (YEL), (PINK), (GRY), (WHT), (VIL), (VIL), (YEL), (BLU, YEL), (BLU, VIL), (PINK), (WHT), (YEL), (ORG), (AZR), (BRN, AZR), (PNK, PNK).

NOTE

- DOOR IS OPENED
- - - :PCB PATTERN