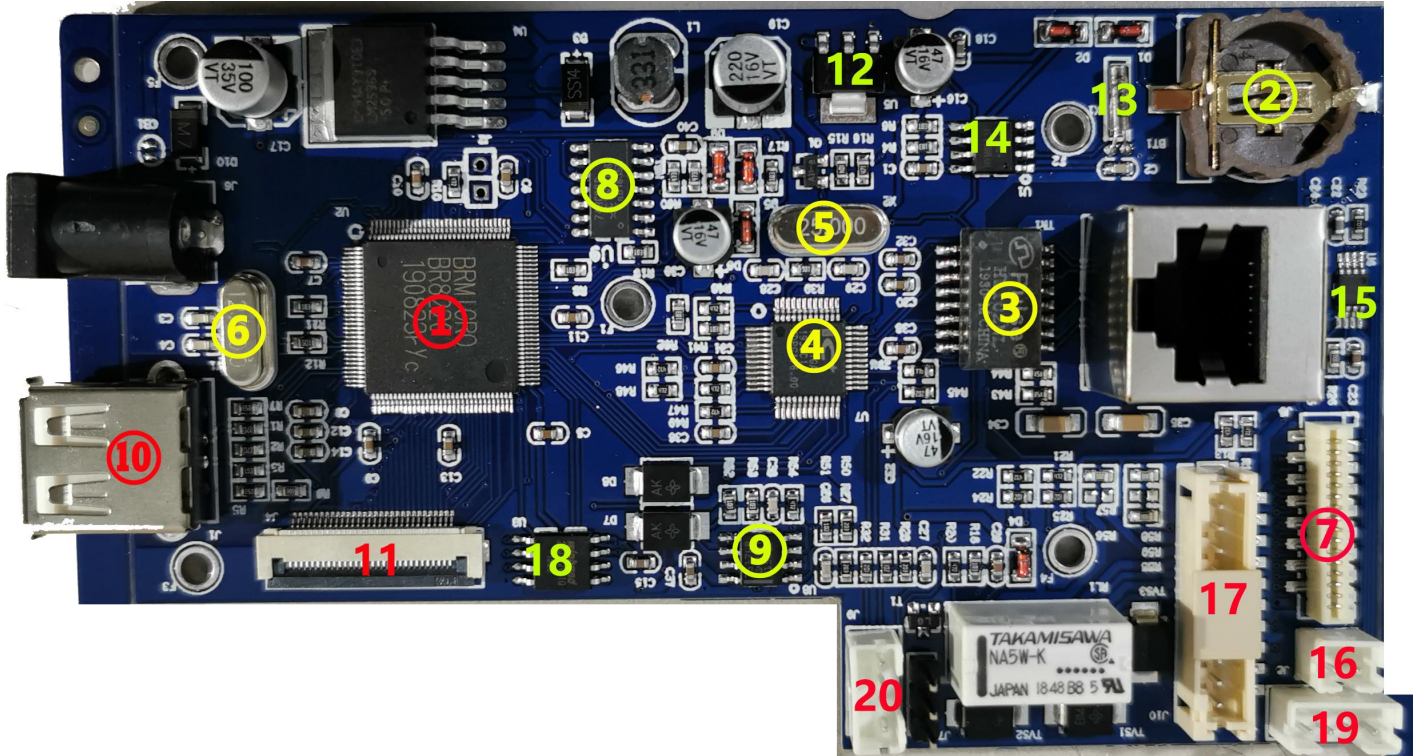


The Diagram and Introduction of Mainboard Components

(TH-5A)



No	Name of components	Damaged Consequence
1	CPU	Start-up Disabled
2	3V Battery Slot	Machine Time resets to zero (Tip: Replace the battery)
3	Network filter	Network Connection Disabled or Data Packet Loss
4	Network chip	Network Connection Disabled
5	Network Crystal Oscillator	Network Connection Disabled
6	Start-up Crystal Oscillator	USB Connection Disabled or Start-up Disabled
7	Fingerprint Sensor Wire Socket	Fingerprint Punching Disabled
8	Power supply chip	Start-up Disabled
9	RS485 communication chip	RS485 Connection Disabled
10	USB	USB Connection Disabled
11	LCD Wire Socket	White screen display
12	5V to 3.3v power conversion chip	Start-up Disabled
13	Clock Crystal Oscillator	Time Running Stopped
14	Clock Chip	The Clock disorderly runs
15	Voice Amplifier Chip	No sound
16	Speaker Connection Socket	No sound
17	Access control line interface	
18	Algorithm chip(Store data and firmware)	Start-up Disabled
19	WIFI module Socket	RS485 Connection Disabled
20	Mifare Card module Socket	No reaction when you punch Mifare card