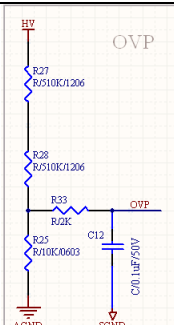
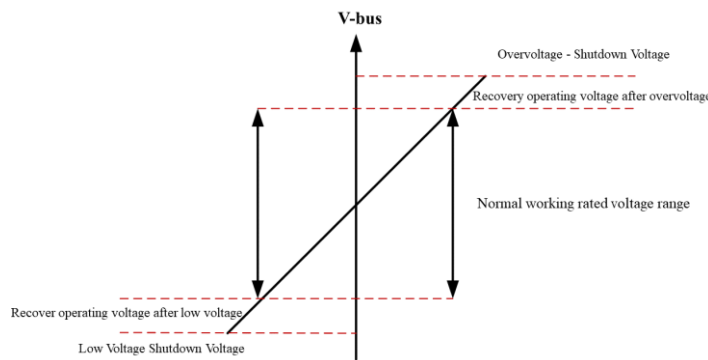
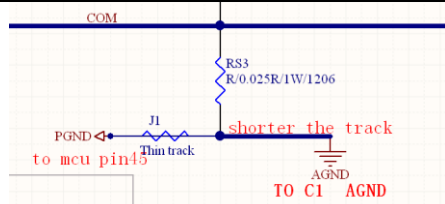
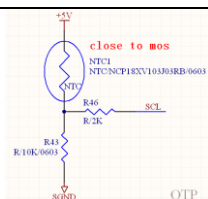
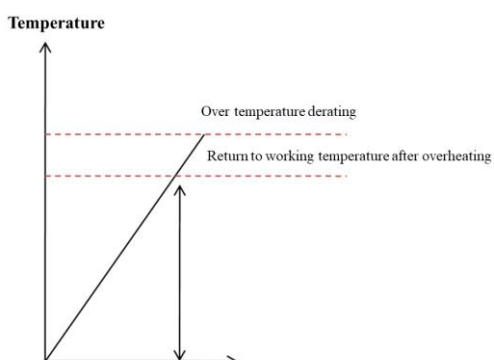
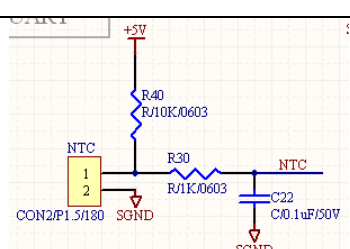


Hair Dryer Specification , Consists of heating wire & 3 phase BLDC				
Motor specification and rating				
No.	item	parameter	unit	note
1	Number of slots / poles		3 slots 2 poles	GUI
2	Direction of rotation		Face to the axis clockwise Face to the axis counterclockwise	GUI
3	Insulation class		B type	
4	Output Power		W	
5	Rated torque		mN-m	
6	Rated speed		rpm	GUI
7	Rated voltage		Motor drive power	GUI
8	Rated current		Motor drive power control power	
10	Frequent start-stop and long-term operation		Startup time _____, Stop time _____	
11	EMC		power disturbance, conduction	
Conditions of Use				
No.	item	parameter	unit	note
1	Rated voltage	220VAC	Motor drive power	N/A
2	Speed control mode - touch button control	<input type="checkbox"/>	() gear	N/A
	Speed control mode - three gear toggle switch	<input type="checkbox"/>	OFF/1 gear /2 gear	GUI
3	Speed of each gear		rpm	GUI
4	Heating wire power	<input type="checkbox"/>	W	N/A
5	Air outlet temperature control - touch button	<input type="checkbox"/>	°C	GUI
6	Human Machine Interface	<input type="checkbox"/>	LED	
7	Storage temperature range		°C	
	Operating temperature range		Ambient temperature	
8	Demagnetization current	<input type="checkbox"/>		

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Cold running test						
1	Rated voltage		220V (AC)		□±5% or □±[]%	
3	Load		Hair dryer duct		Assembled finished hair dryer test	
4	Temperature		℃		□ Under normal conditions, the temperature 5~35℃ ；□ other conditions	
5	Humidity		%RH		□ Under normal conditions, the humidity 45%~85% RH ；□ other conditions	
6	Atmospheric pressure		hPa		□ Under normal conditions, the atmospheric pressure 920~1040hPa	
item			Inspection standards		tolerance	note GUI
1	Quick start and stop	Start up ()S Shutdown ()S	Normal start and stop	Start up ()S Shutdown ()S	± () S	
2	1 Gear speed	[]rpm	Rotating speed (rpm)		□±5 % 、 □± 10%	
3	2 Gear speed	[]rpm	Rotating speed (rpm)		□±5 % 、 □± 10%	
4	Cold gear air outlet temperature	[]℃	Temperatur e (°℃)	Air outlet 10cm location test	□±5 % 、 □± 10%	
5	Warm gear air outlet temperature	[]℃	Temperatur e (°℃)	Air outlet 10cm location test	□±5 % 、 □± 10%	
6	Hot gear air outlet temperature	[]℃	Temperatur e (°℃)	Air outlet 10cm location test	□±5 % 、 □± 10%	
7	Power down memory		Start and stop the hair dryer normally	The gear position is displayed correctly		
8	Block the air outlet		Observe the heating wire	Not hot		
9	Human Machine Interface		Observe LED	The function is displayed as normal, and there is no flashing light when the power is turned on/off		
10	Wide voltage test		Start the hair dryer normally	Lower than AC 200V red breathing light , UV/OV can be protected , and the voltage can be restarted after returning to the normal voltage range		

System protection					
1	<input type="checkbox"/> OVP/UVP	<input type="checkbox"/> System restart after power down			
		<input type="checkbox"/> After the system is restored, it will automatically restart			
		<input type="checkbox"/> other :			
		Rated voltage detection input signal Pin	GUI		
		Reference Schematic Recommendation	<input type="checkbox"/> MDRFD0- OVP/ CH2		
		Overvoltage Shutdown Voltage	[]V		
		Recovery operating voltage after overvoltage	[]V		
		Low Voltage Shutdown Voltage	[]V		
		Recover operating voltage after low voltage	[]V		
					
2	<input type="checkbox"/> OCP	Reference Schematic Recommendation	<input type="checkbox"/> MDRFD0- AOCP / Pin 1.6		
		Over current shutdown	mA		
3	<input type="checkbox"/> PCB OTP	<input type="checkbox"/> System restart after power down	restart time	S	
		<input type="checkbox"/> Restart after temperature recovery	restart time	S	
		<input type="checkbox"/> other :			
		Over temperature shutdown temperature	[]°C		

		Return to working temperature after overheating		[]°C
4	<input type="checkbox"/> Air outlet temperature protection	<input type="checkbox"/> SCR output after over temperature	<input type="checkbox"/> Shut down / <input type="checkbox"/> Reduce	
		<input type="checkbox"/> Over temperature	[]°C	
5	<input type="checkbox"/> Temperature sensor disconnection protection	<input type="checkbox"/> Shutdown after temperature sensor disconnection	Disconnection time	S
6	<input type="checkbox"/> Phase loss protection	<input type="checkbox"/> Static phase loss	Phase loss current	mA
		<input type="checkbox"/> Dynamic phase loss	Phase loss current	mA
7	<input type="checkbox"/> Boot failure protection	<input type="checkbox"/> Reboot after startup failure	Restart time	S
			Number of restarts	
8	<input type="checkbox"/> Blocking protection	<input type="checkbox"/> System restart after power down	Restart time	S
		<input type="checkbox"/> Restart time when protection occurs	Restart time	S
		<input type="checkbox"/> Blocking current limit	Blocking current	mA
		<input type="checkbox"/> other :		

Human Machine Interface		
1	<input type="checkbox"/> Normal operation	<input type="checkbox"/> Cool wind -> blue light <input type="checkbox"/> Warm wind -> yellow light <input type="checkbox"/> Hot wind -> red light
2	<input type="checkbox"/> Blocking protection	<input type="checkbox"/> Blue light flashing continuously
3	<input type="checkbox"/> Air outlet temperature protection	<input type="checkbox"/> Blue light flashing continuously 2 times stop 2 S loop
4	<input type="checkbox"/> PCB temperature protection	<input type="checkbox"/> Blue light flashing continuously 3 times stop 2 S loop
5	<input type="checkbox"/> Phase loss protection	<input type="checkbox"/> Yellow light flashing continuously
6	<input type="checkbox"/> OCP	<input type="checkbox"/> Yellow light flashing continuously 2 times stop 2 S loop
7	<input type="checkbox"/> Temperature sensor disconnection protection	<input type="checkbox"/> Yellow light flashing continuously 3 times stop 2 S loop
8	<input type="checkbox"/> Under protection	<input type="checkbox"/> Red light flashing continuously
9	<input type="checkbox"/> Boot failure protection	<input type="checkbox"/> Red light flashing continuously 2 times stop 2 S loop
10	<input type="checkbox"/> OVP	<input type="checkbox"/> Red light flashing continuously 3 times stop 2 S loop
11	<input type="checkbox"/> Hot and cold air circulation	<input type="checkbox"/> Red and blue lights alternate breathing light display
12	<input type="checkbox"/> AC voltage lower than 200V	<input type="checkbox"/> Red breathing light