WEH001602A PCB Comparison

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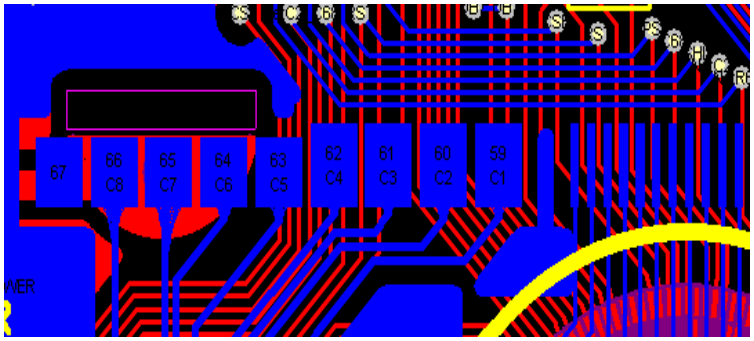
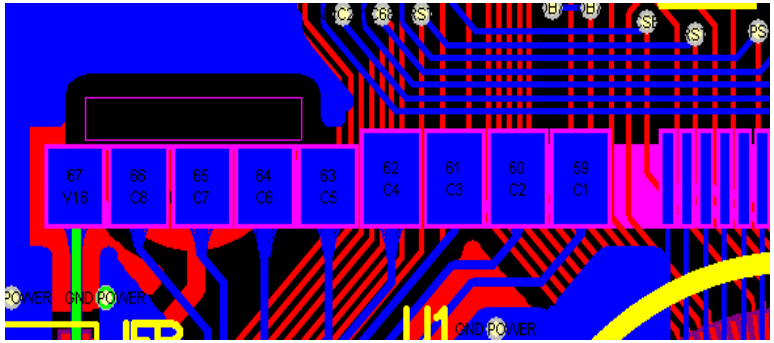
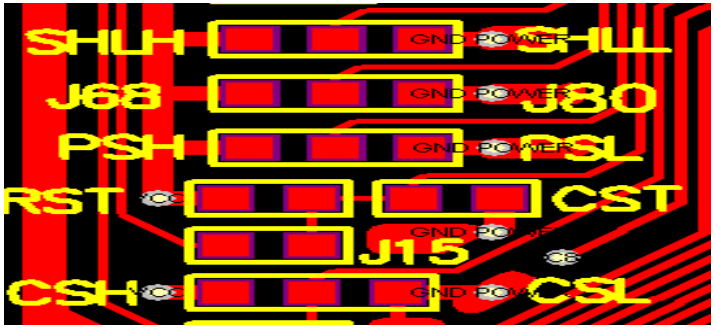
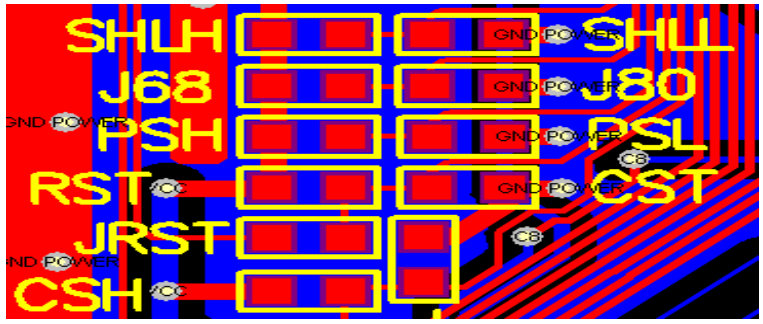
一. Reson for Change：

Modify the design of wire path & PAD on the PCB to optimize SMT process yield

二. Comparison

PCB Part No.	**EH 1602H REV. J (OLD PCB)**	**EH 1602H REV. K (NEW PCB)**
1, Comparison Picture		
Difference	**C9 is NC**	**C9 connect to V16 voltage to have better contrast.**
2, Comparison Picture		
Difference	**Original design SMT efficient lower**	**SHLH/SHLL/J68/J80/PSH/PSL change Layout PAD to raise SMT Efficient**

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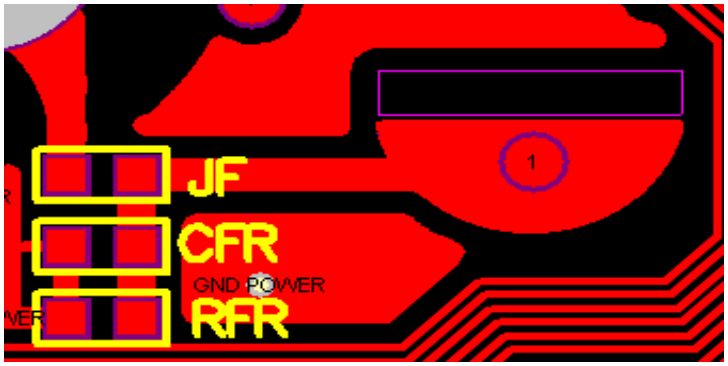
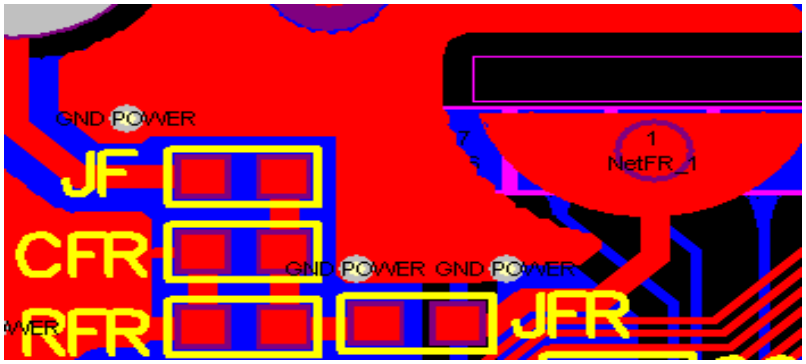
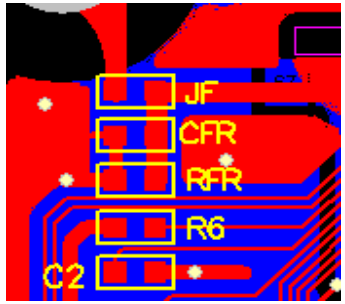
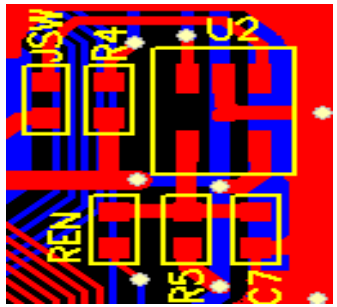
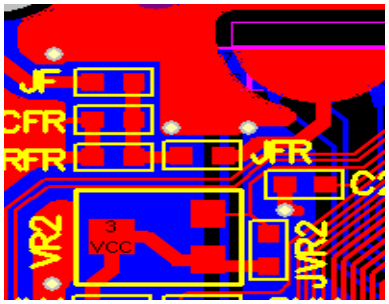
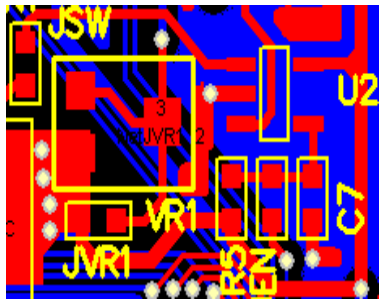
3, Comparison Picture		
Difference	**Old Design : frame directly grounding**	**New Design : add frame grounding pad " JF "**
4, Comparison Picture	 	 
Difference	**The value of R4 and R6 is fixed, it is unable to achieve adjustment function**	**Adding VR1 and JVR1 to achieve adjustment function and raise SMT efficient**

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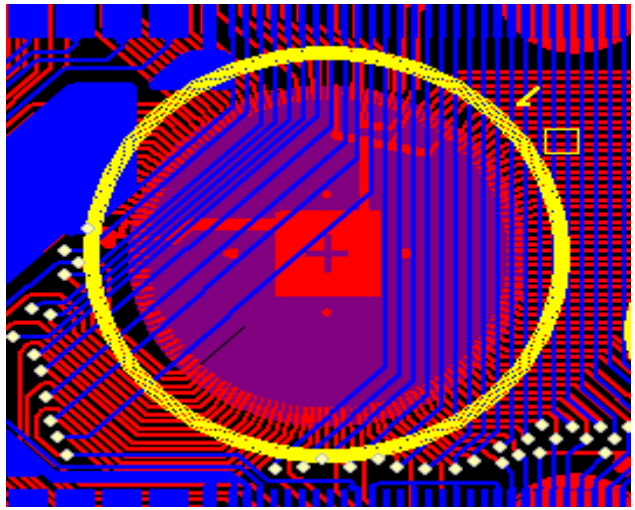
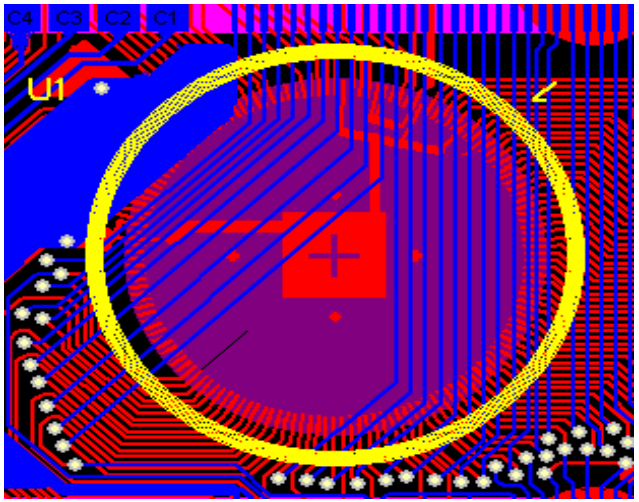
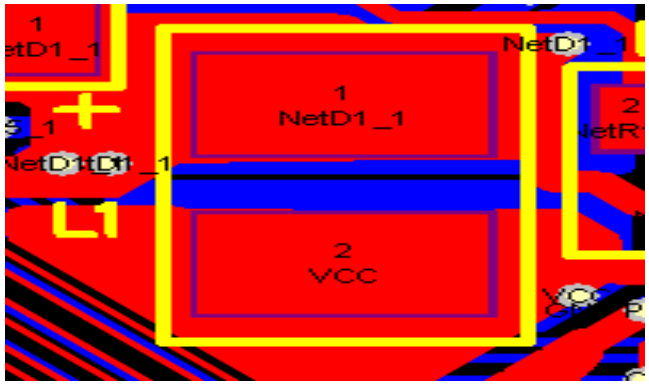
5, Comparison Picture		
Difference	**Old version Layout Pad**	**U1 IC position shift down 0.2mm** **Round white paint frame decrease 0.5mm diameter**
6, Comparison Picture		
Difference	**Original design SMT efficient lower**	**The PAD of L1 inductance change direction**

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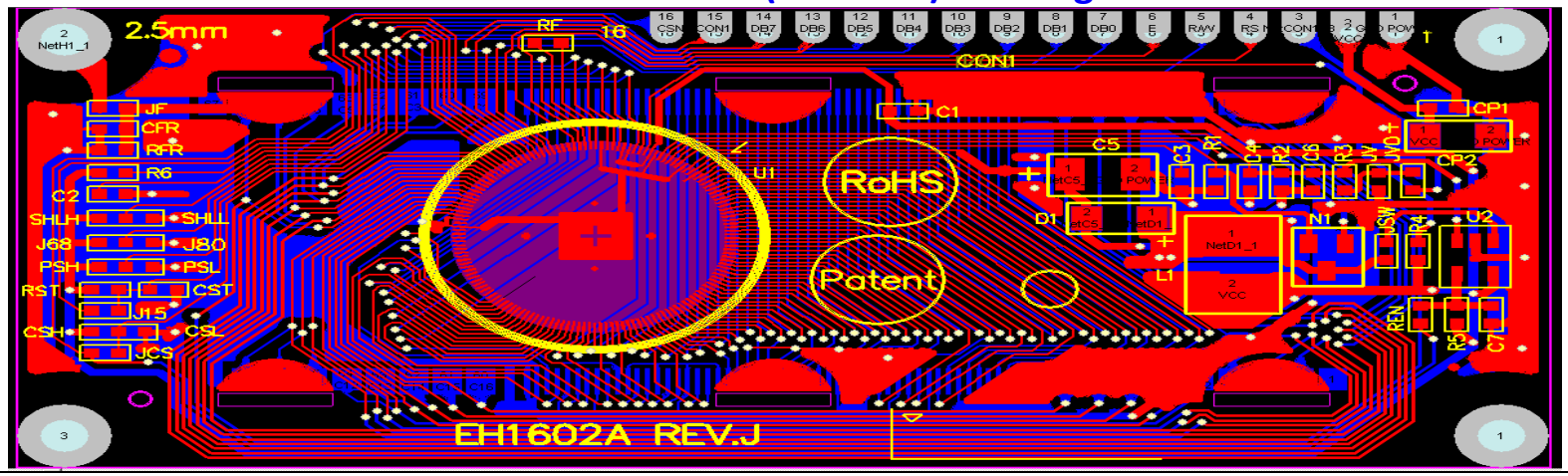
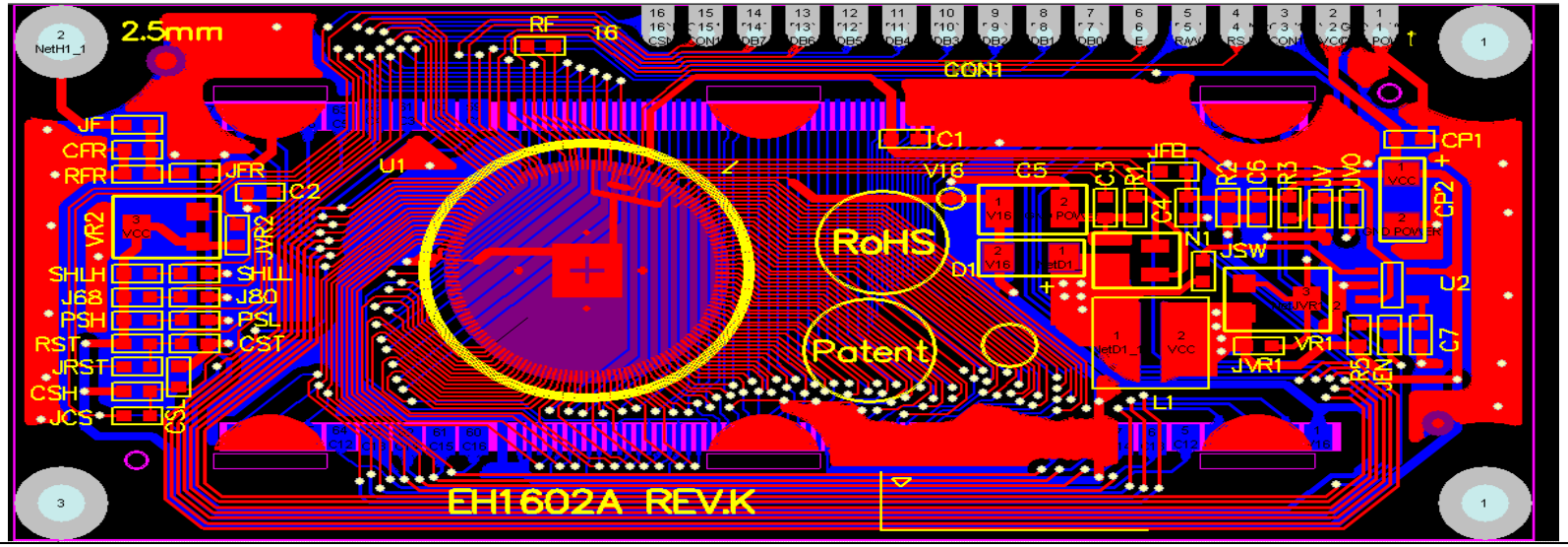
三. Overall comparison

EH 1602A REV. J (OLD PCB) drawing



EH 1602A REV. K (NEW PCB) drawing



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四· Conclusion

1. 元件位置變更，請確認

   the position of components has been changed

2. 模组电性功能与之前一致，电性对客户的使用无影响。

   The new version PCB complies with the automation processes and improve yield rate and has better performance. Function & Electrical characteristic remain the same , it won't influences customer using

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