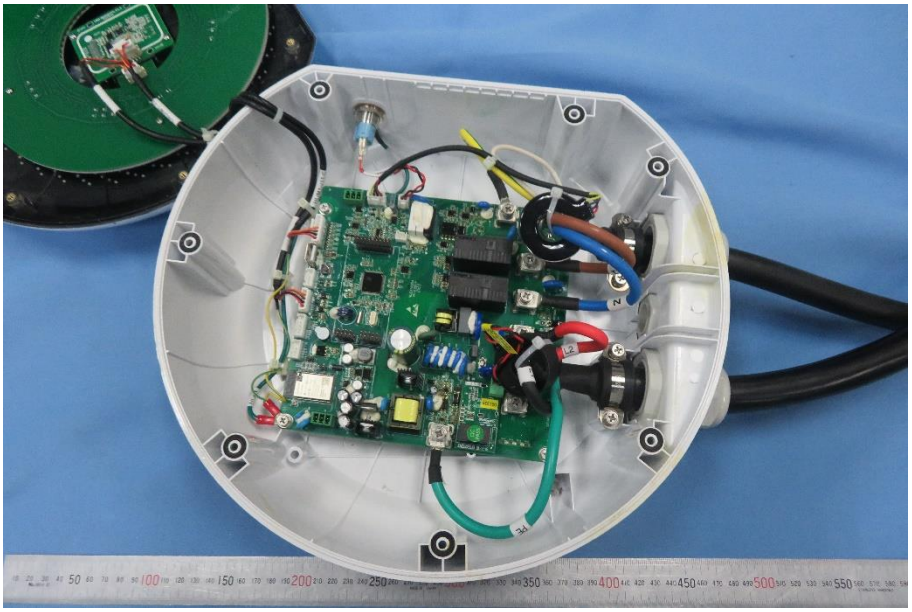
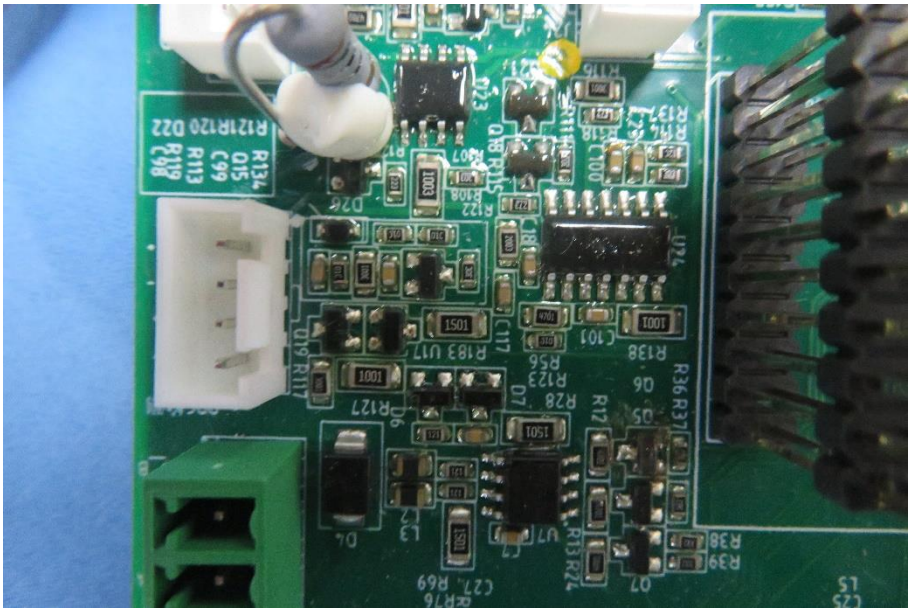
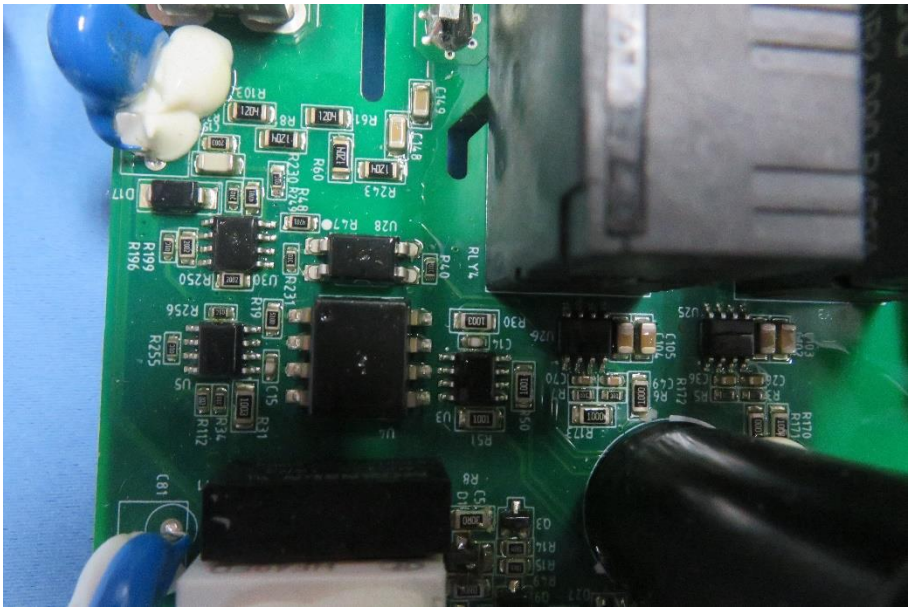
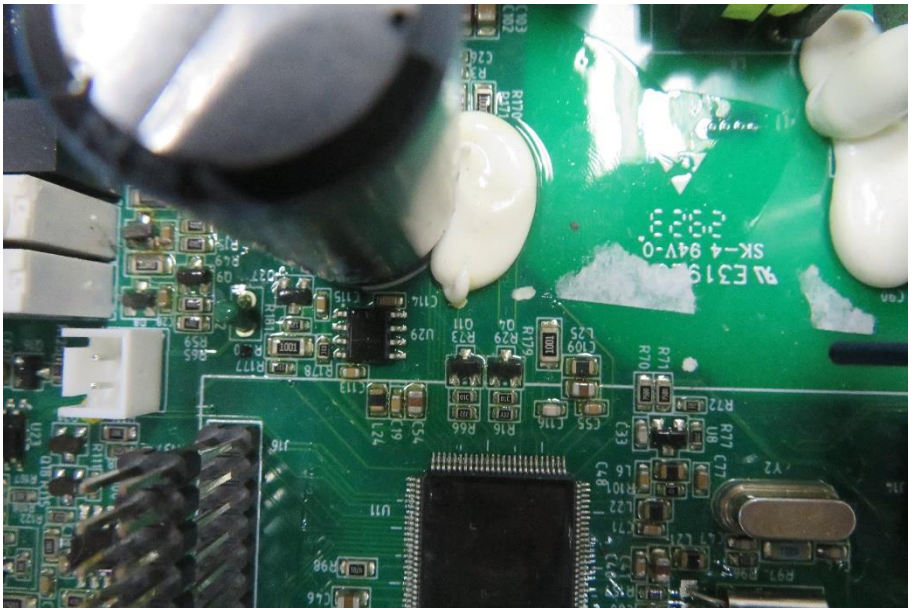
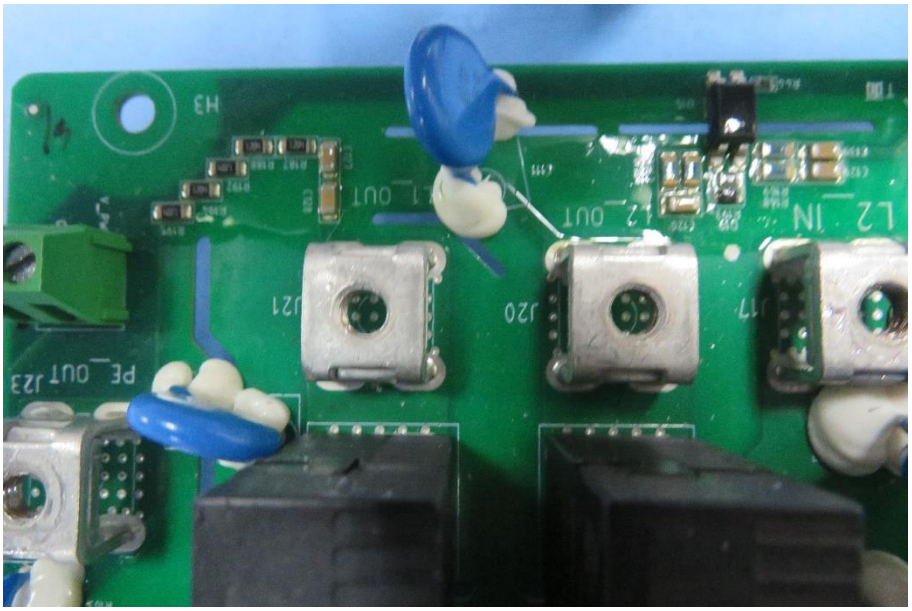
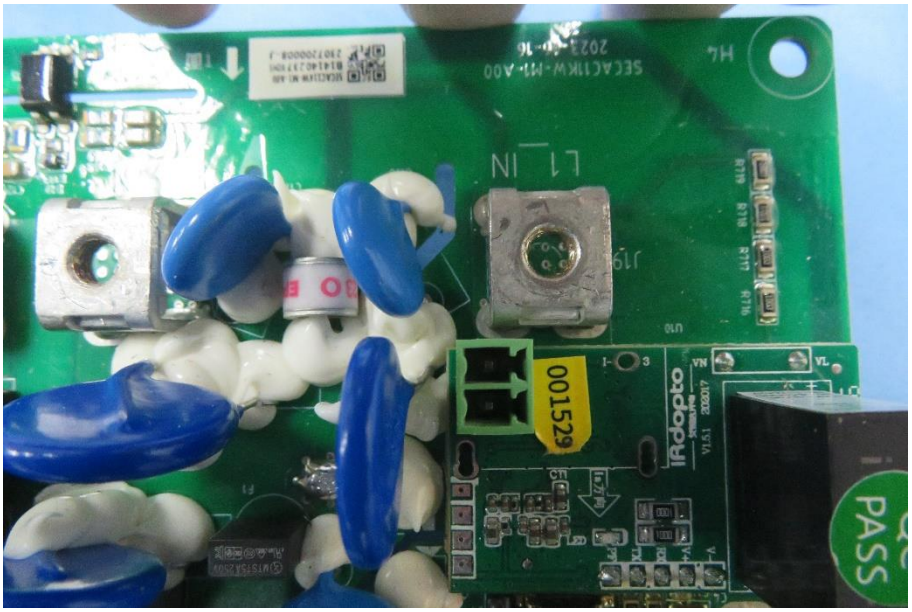


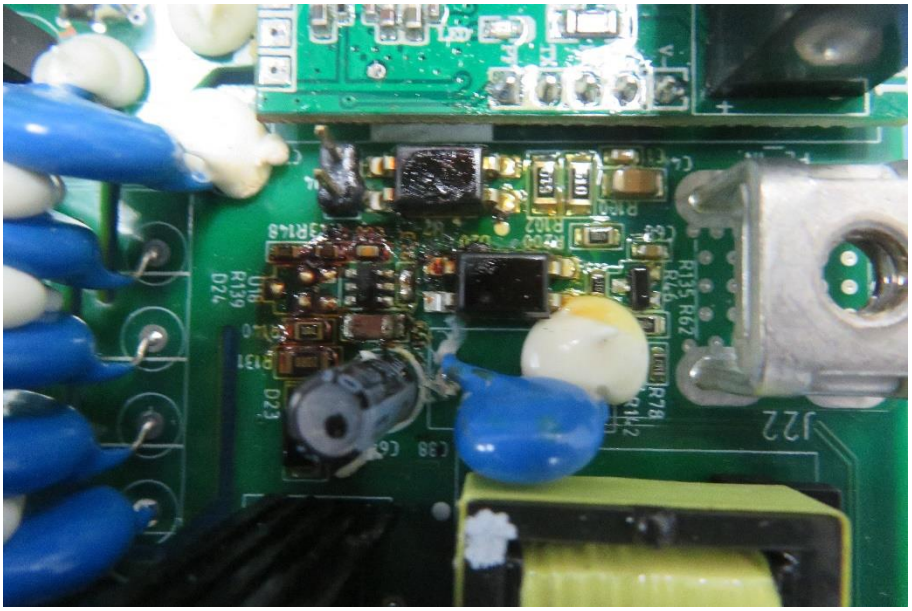


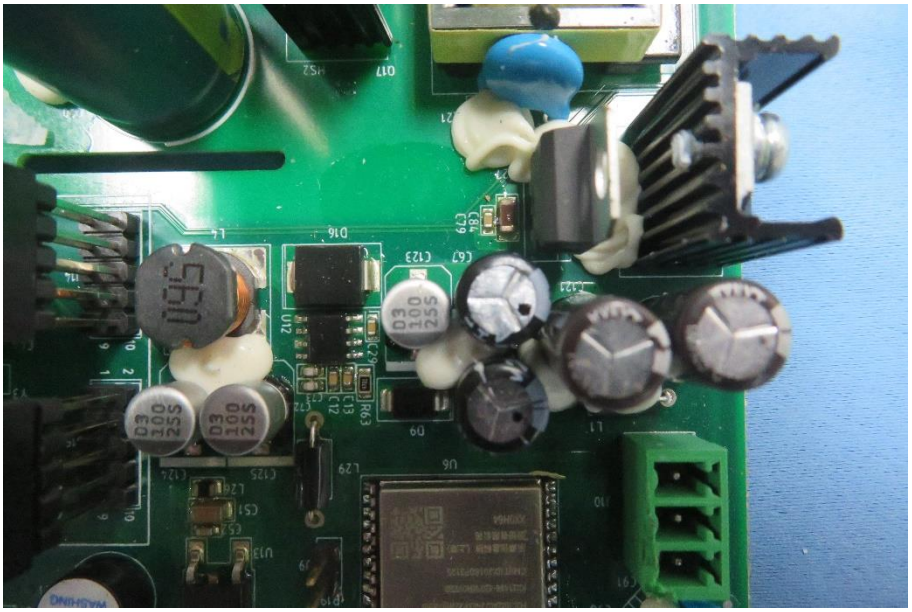




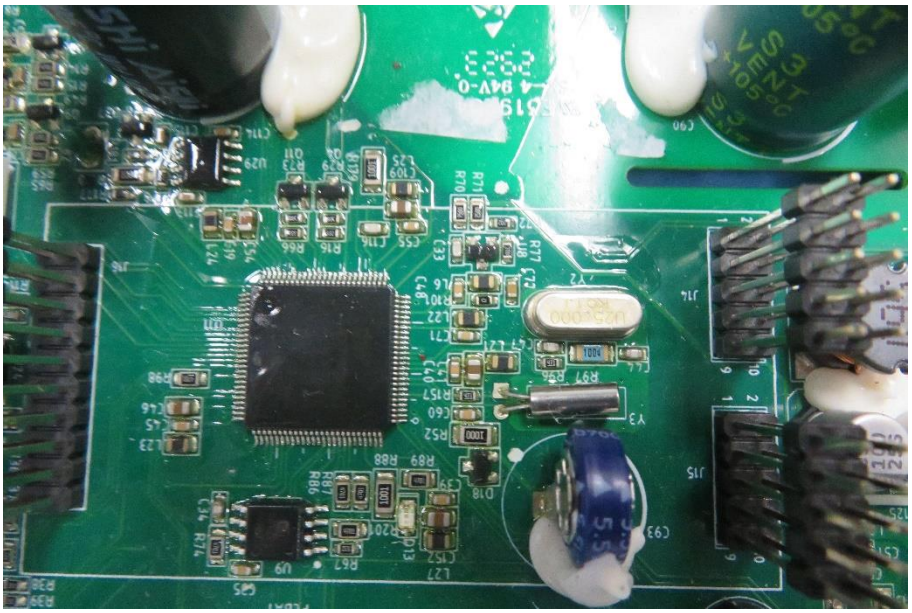

PE_OUT
J23
J21
J20
J17
L2_IN
L2_OUT
L1_OUT
H3

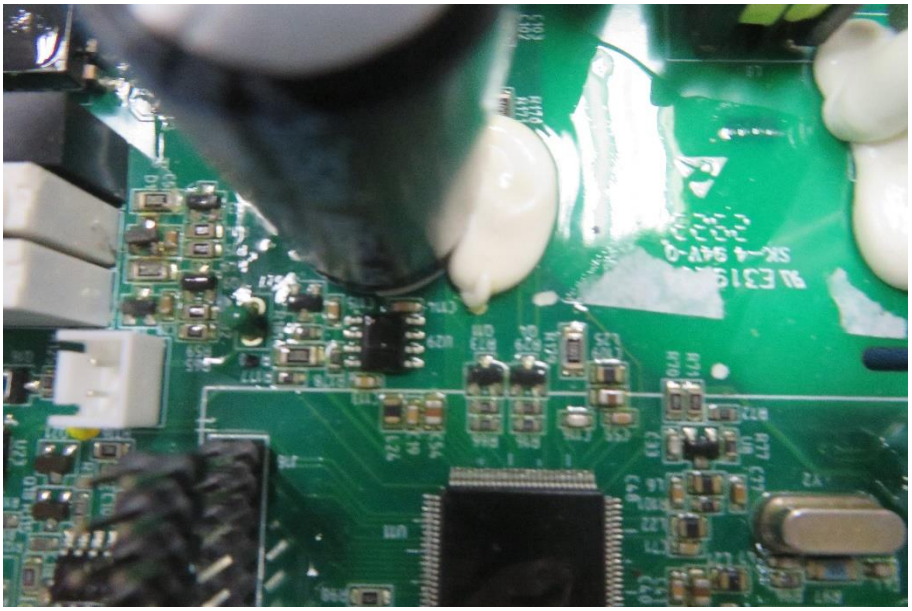

PASS
001526
L1_IN
H4

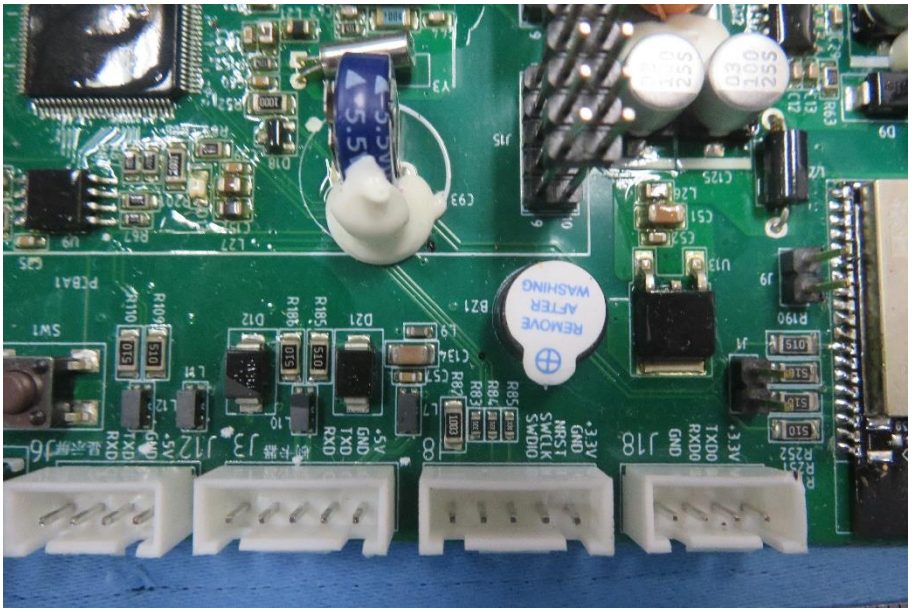

J22
R78
R135 R67
R142
R102
R101
R131
D23
U18
R139
D24

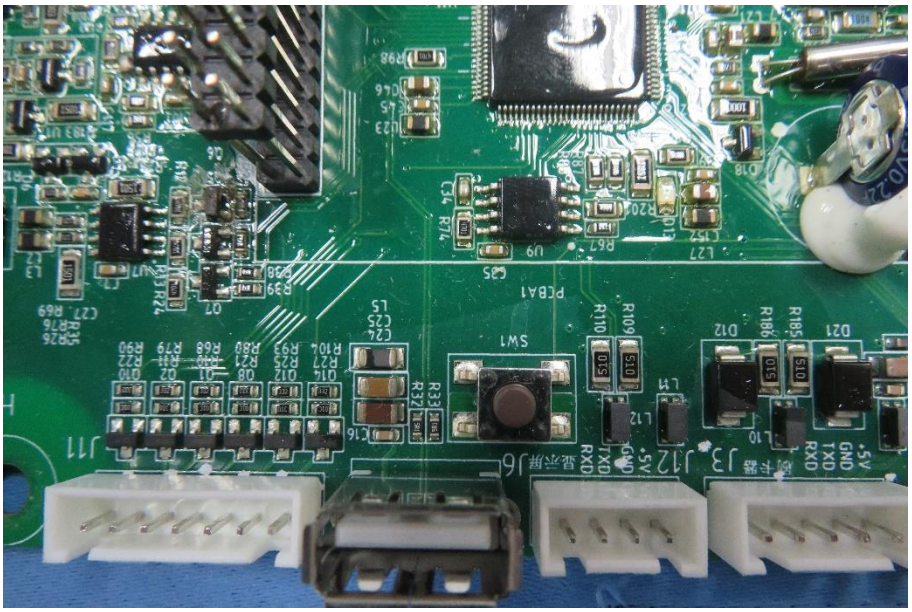

Q17
HS2
D16
U12
C67
C123
C79
C80
R69
C73
C72
C74
C75
C76
C77
Q9
U6
L29
L1
U13
C51
C52
C125
C124
L28
WASHING

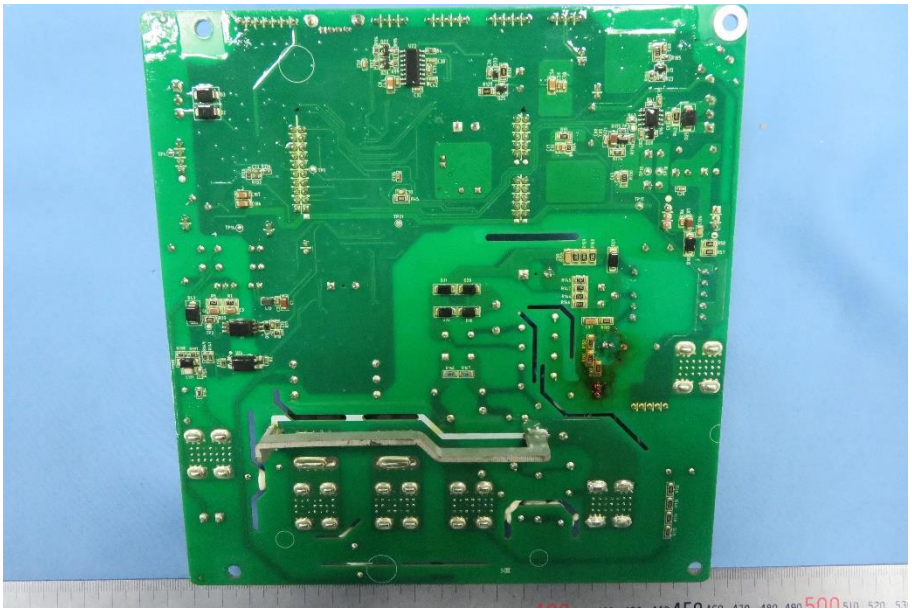
REMOVE
AFTER
WASHING
J18
+3.3V
GND
NRST
SWCLK
SWDIO
+3.3V
GND
TXD0
RXD0
+5V
GND
TXD
RXD
H1

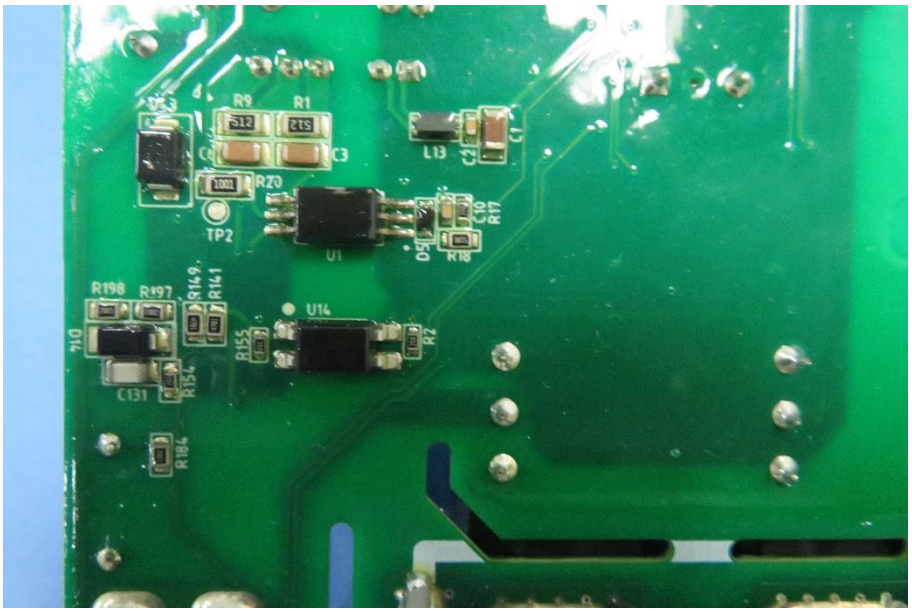


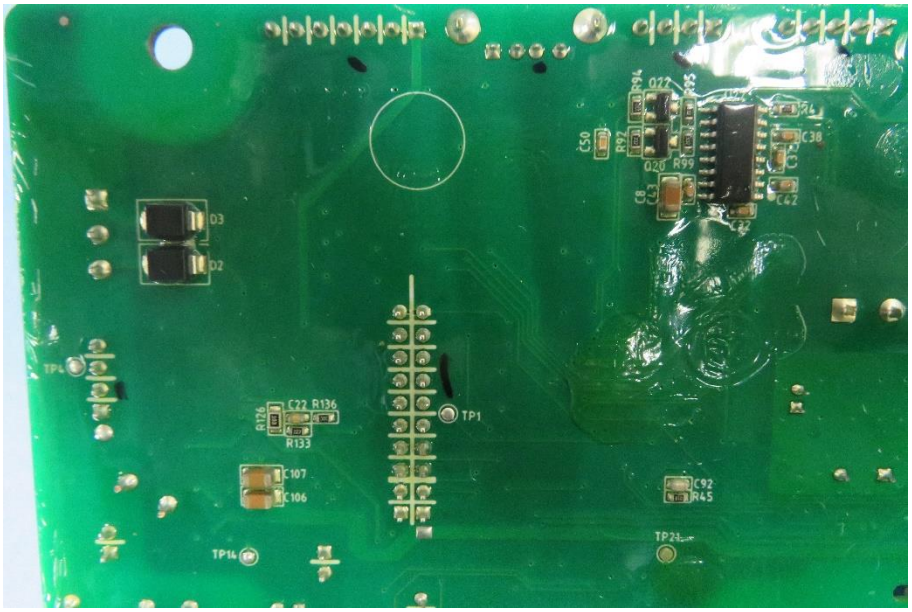


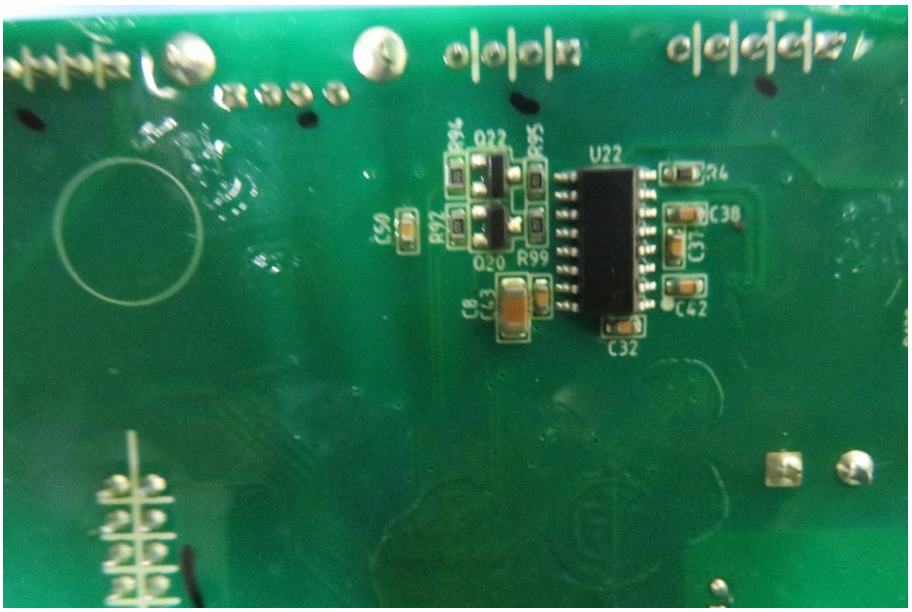

REMOVE
AFTER
WASHING
J12
J18
J3
J6
J15
J9
J1
SW1
PCBA1
RXD
TXD
GND
+5V
+3.3V
SWDIO
SWCLK
NRST
RXD0
TXD0

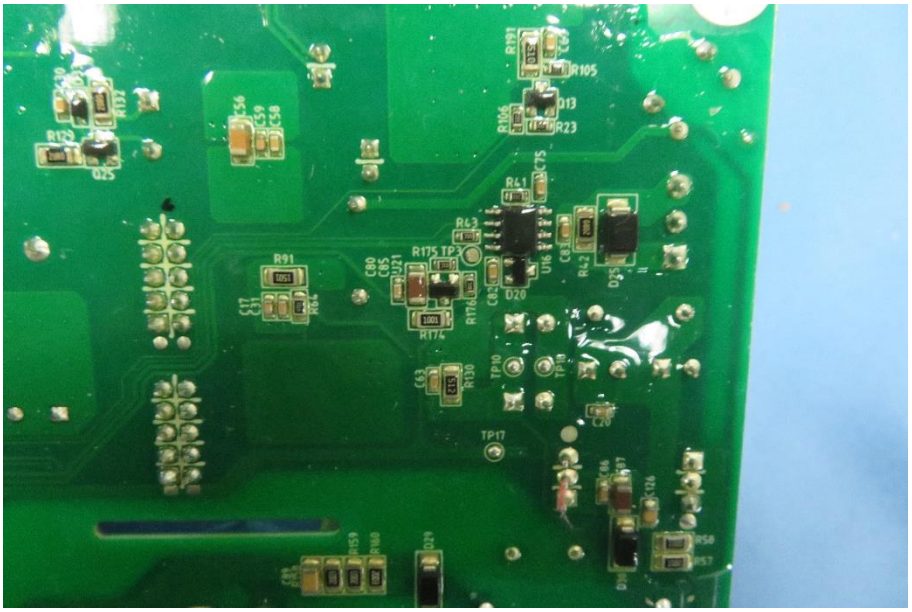

J11
J12
J3
SW1
PCBA1
RXD
TXD
GND
+5V
RXD
TXD
GND
+5V

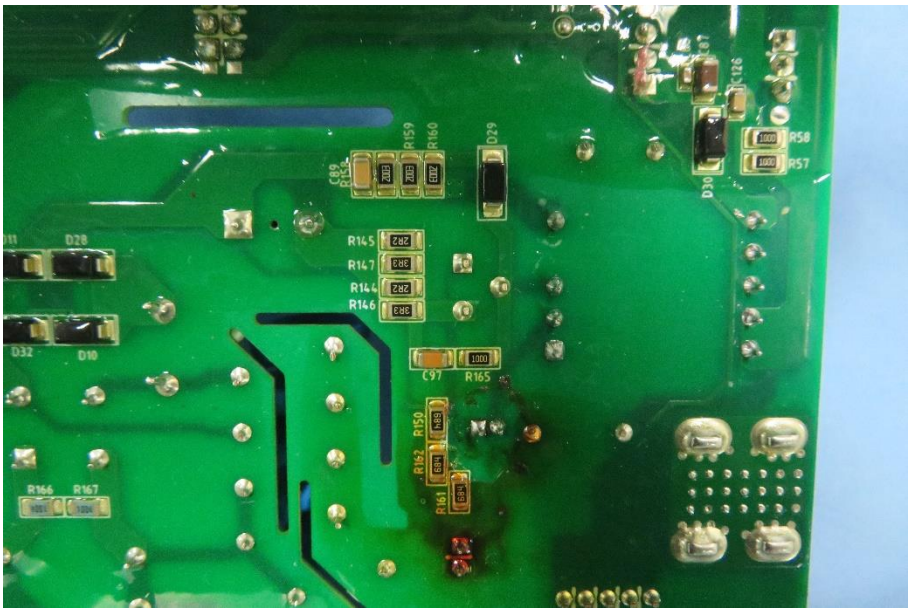


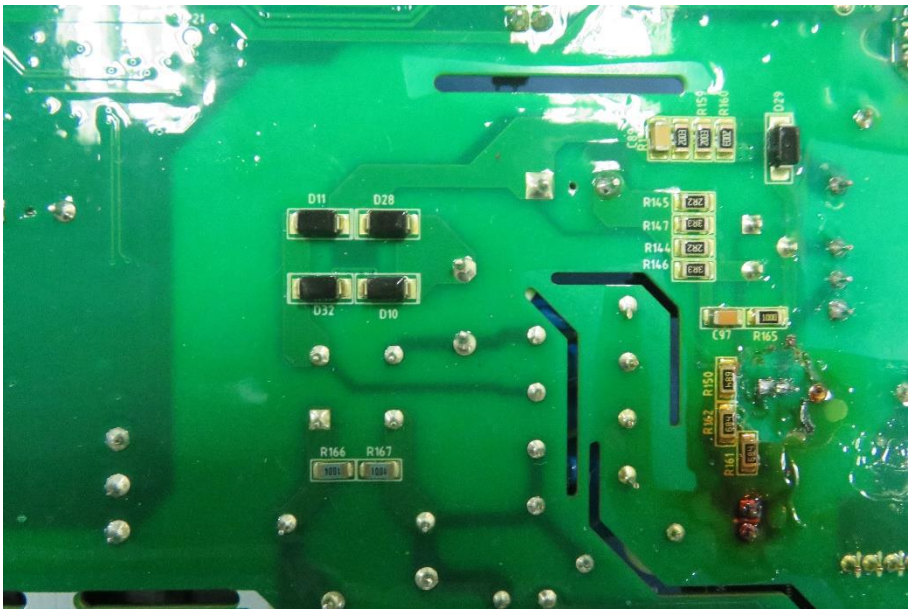

R9
R1
C3
L13
C2
C1
R20
TP2
U1
C10
R17
R18
R198
R197
R149
R141
U14
R155
R2
Q14
C131
R154
R184

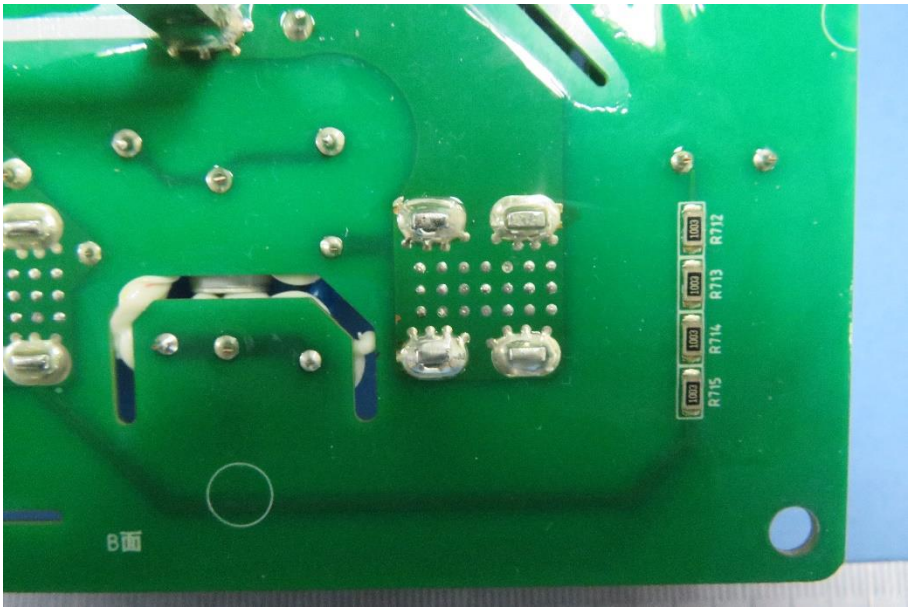

Q22
R94
C50
R92
Q20
R99
C38
C42
C8
C43
D3
D2
TP4
C22
R136
R126
R133
TP1
C107
C106
C92
R45
TP14
TP24

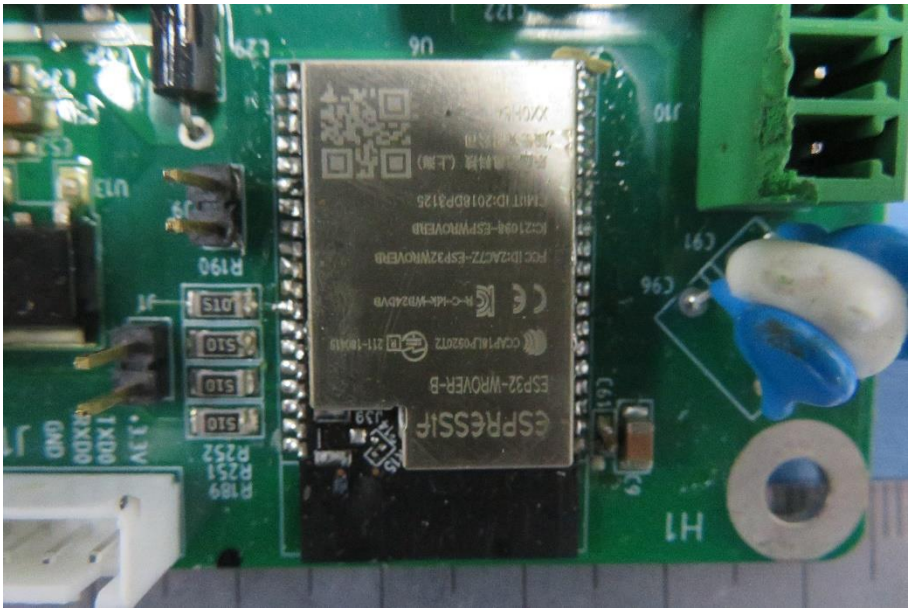

U22
Q22
R94
R95
R97
Q20
R99
C50
C38
C37
C42
C32

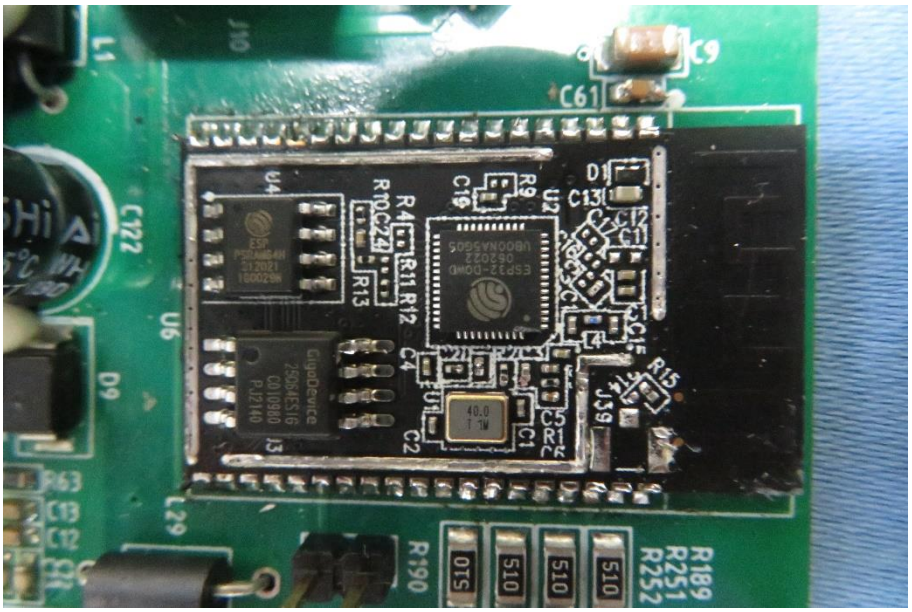

R191
R105
D13
R23
R41
R43
R42
R91
R175
TP3
R174
TP10
TP17
C20
R58
R57

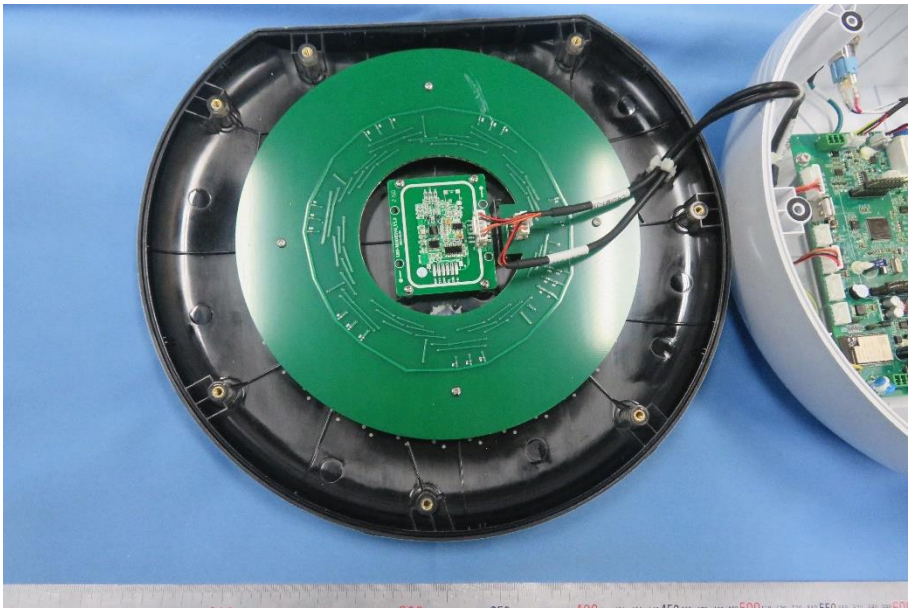

R159
R160
D29
R58
R57
D30
D11
D28
R145
R147
R144
R146
D32
D10
C97
R165
R150
R162
R161
R166
R167

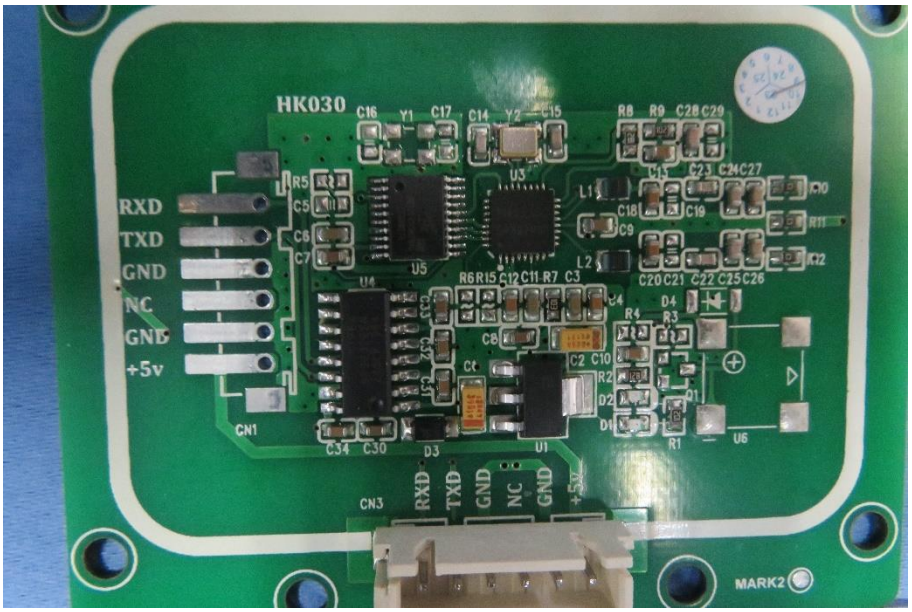

D29
D11
D28
R145
R147
R144
R146
D32
D10
C97
R165
R159
R162
R161
R166
R167

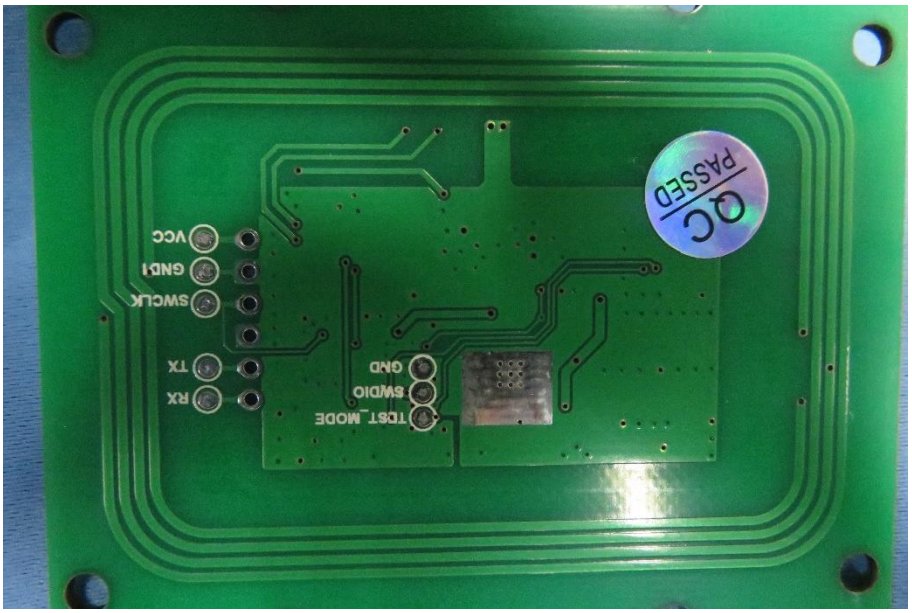

R715
R714
R713
R712
B面

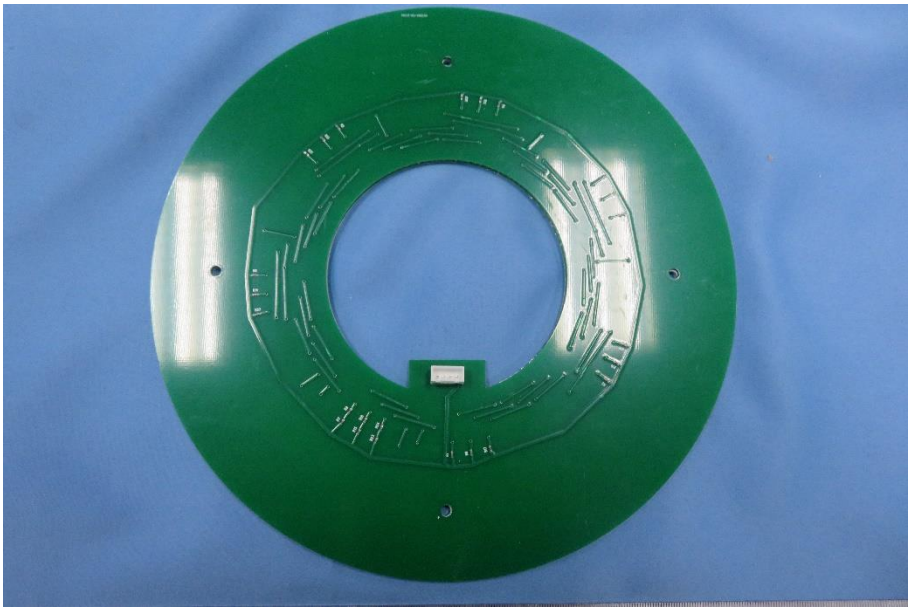

ESPRESSIF
ESP32-WROVER-B
U6
H1
R189
R251
R252
R190
J10
C96
C91
U13
J1
3.3V
TXD0
RXD0
GND


L1
J10
C9
C61
C122
U6
D9
R63
C13
C12
L29
U4
R10
C24
R13
R4
R11
R12
C19
R9
U2
D1
C13
C12
C11
C14
C15
R15
J59
C4
U1
C2
C1
C5
R16
R190
R189
R251
R252
510
510
510
510

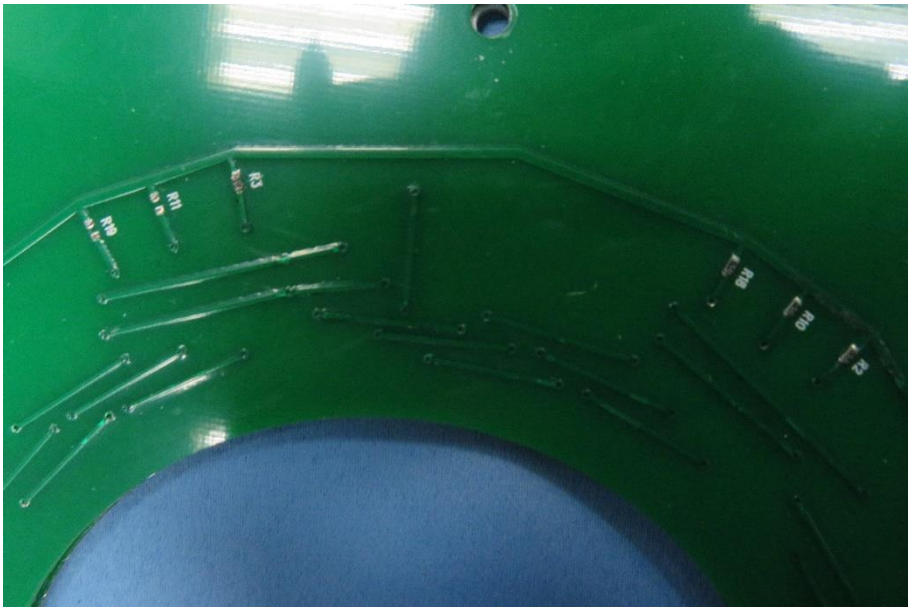



HK030
RXD
TXD
GND
NC
GND
+5v
CN1
CN3
RXD
TXD
GND
NC
GND
+5V
MARK2

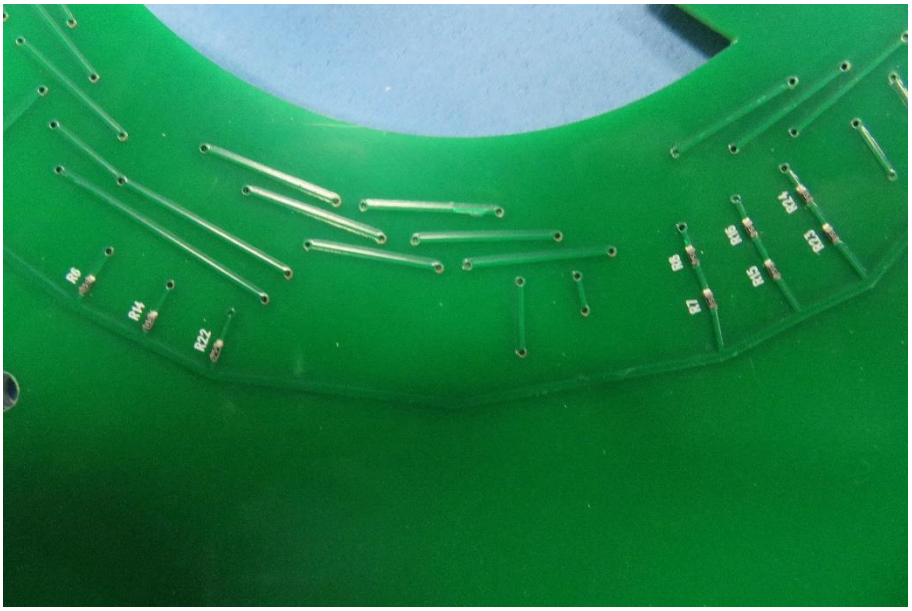

VCC
GND
SWCLK
TX
RX
GND
SWDIO
TEST_MODE
QC
PASSED

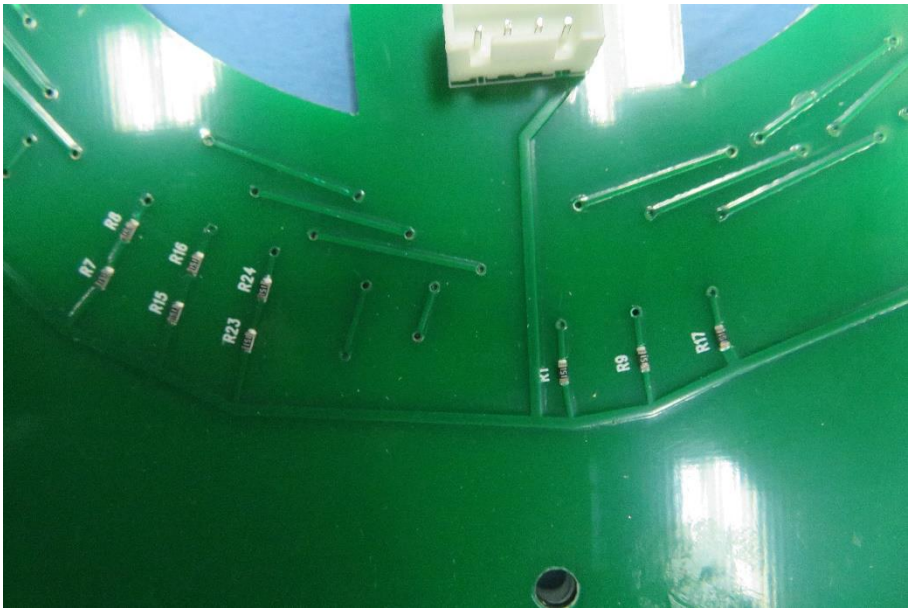
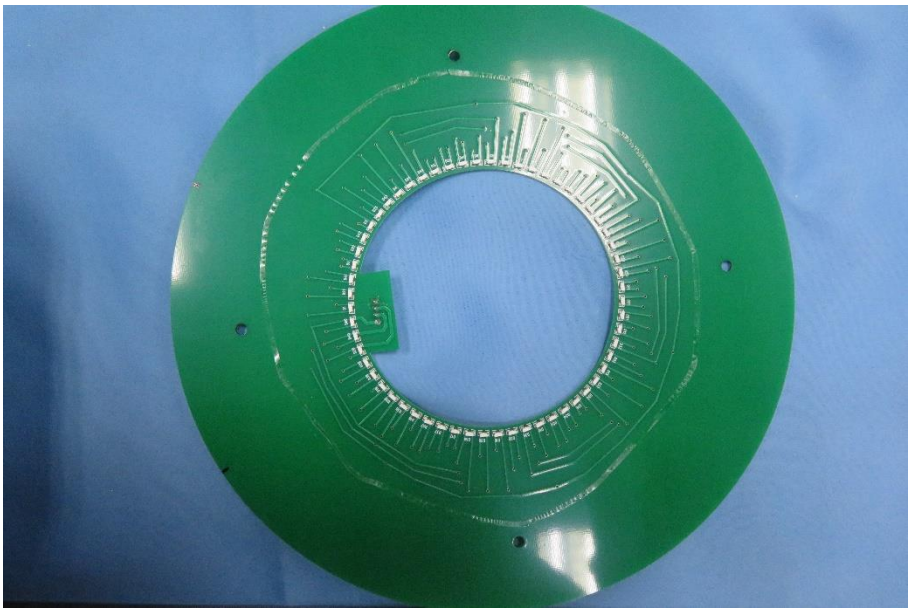
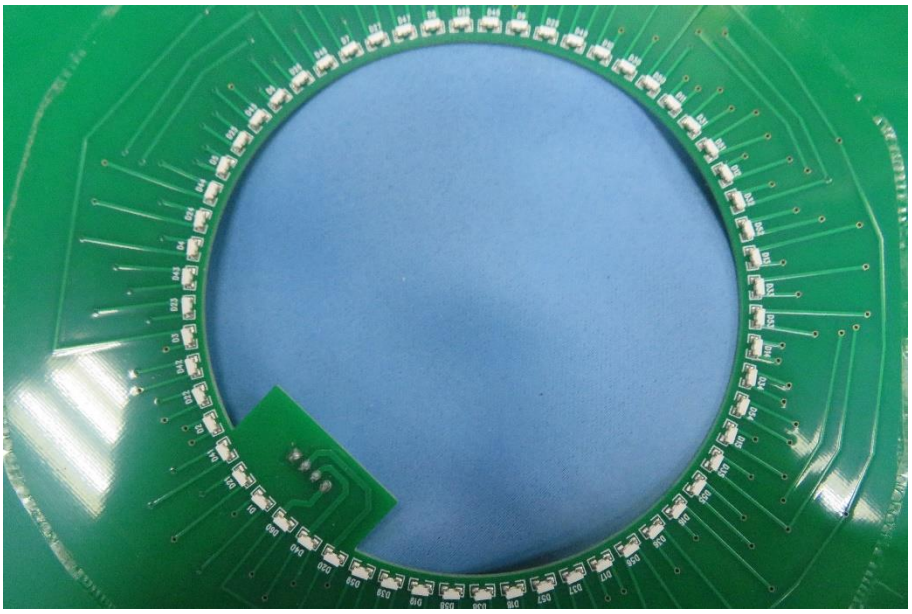
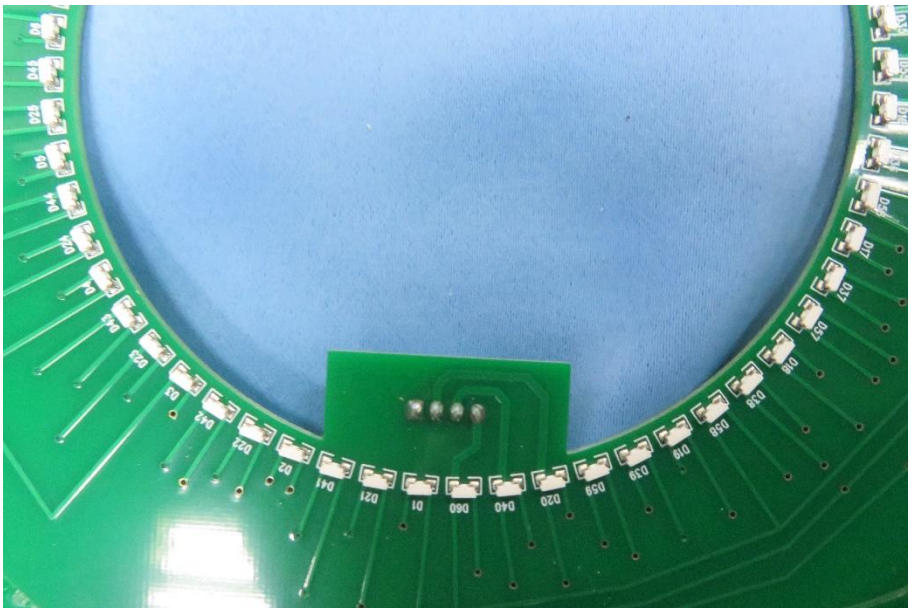
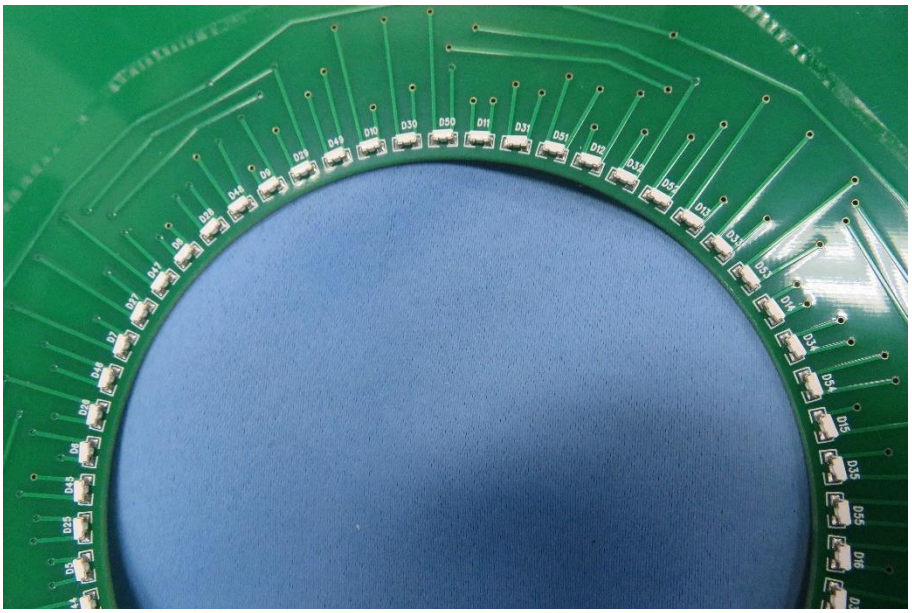


R7
R8
R15
R16
R23
R24
K1
R9
R17


R2
R10
R18
R3
R11
R19

R4
R12
R20
R5
R13
R21


R23
R22
R8
R15
R7
R14
R22


R7
R8
R16
R24
R15
R23
K1
R9
R17