

# TEST REPORT

**Report No.: SZ4220729-34577E**

Date: September 27, 2022

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**Astera LED Technology GmbH**  
**Stahlgruberring 36, 81829 Munich, Germany**

Report on the submitted samples said to be:

Sample Description: Triple PAR BTB

Style/Item No.: AX5-BTB

Brand: ASTERA

Manufacturer: Astera Manufacturing Limited

Manufacturer Address: Bldg. 3, CLT Science & Technology  
Park, No. 7, GanLiliu Road, Jihua subdistrict, Longgang District, Shenzhen,  
P.C.518112.

Sample Receiving Date: July 29,2022

Testing Period: July 29,2022 - September 23,2022

Result: **Please refer to next page(s).**

Signed for and on behalf of

BACL

*Queenie Lee*

Checked by: \_\_\_\_\_  
Queenie Lee

*Lance Lee*

Approved by: \_\_\_\_\_  
Lance Lee

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Summary of Test Result:

**TEST REQUEST**

**CONCLUSION**

A. Two hundred and twenty-four (224) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH

See Remark

Remark: According to the specified scope and analytical technique, concentrations of all 224 SVHC (\*=excluded lead (CAS No.:7439-92-1) on Tested parts 25, 30, 62, 132, 142, 147, 151, 153, 157, 181, 201, 203, 225, 230 and 278; Dibutyl Phthalate(DBP) (CAS No.84-74-2) on Tested part 26; Bis-(2-ethylhexyl) Phthalate(DEHP) (CAS No.117-81-7) on Tested part 199) are <0.1% in the submitted sample(s).

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**Result:**

Tested part(s):

- (1) Black coating(handle, Triple PAR BTB)
- (2) Silvery metal(screw, handle holder, Triple PAR BTB)
- (3) Silvery metal(thick gasket, handle holder, Triple PAR BTB)
- (4) Silvery metal(thin gasket, handle holder, Triple PAR BTB)
- (5) Silvery metal(knob, handle, Triple PAR BTB)
- (6) Silvery metal(screw, knob holder, handle, Triple PAR BTB)
- (7) Silvery metal(small screw, plate holder, handle, Triple PAR BTB)
- (8) Silvery metal(small nut, plate holder, handle, Triple PAR BTB)
- (9) Silvery metal(big gasket, plate holder, handle, Triple PAR BTB)
- (10) Silvery metal(small gasket, plate holder, handle, Triple PAR BTB)
- (11) Silvery metal(big screw, plate holder, handle, Triple PAR BTB)
- (12) Silvery metal(big nut, plate holder, handle, Triple PAR BTB)
- (13) Silvery metal(plate, handle, Triple PAR BTB)
- (14) Silvery metal(handle, Triple PAR BTB)
- (15) Dark grey plastic(gasket, handle holder, Triple PAR BTB)
- (16) Silvery metal(connect plate, handle, Triple PAR BTB)
- (17) Black plate silvery metal(screw, connect plate holder, handle, Triple PAR BTB)
- (18) Silvery metal(capstan, handle connect, Triple PAR BTB)
- (19) Silvery metal(handle connect, Triple PAR BTB)
- (20) Black soft plastic(socket cover, Triple PAR BTB)
- (21) Black plate silvery metal(socket cover, Triple PAR BTB)
- (22) Black soft plastic(pin tube, socket, Triple PAR BTB)
- (23) Black plastic(case, socket, Triple PAR BTB)
- (24) Orange soft plastic(socket, Triple PAR BTB)
- (25) Silvery metal with solder(small pin, socket, Triple PAR BTB)
- (26) Black PVC(wire jacket, socket, Triple PAR BTB)
- (27) Blue PVC(wire jacket, socket, Triple PAR BTB)
- (28) Green PVC(wire jacket, socket, Triple PAR BTB)
- (29) Silvery metal(wire, socket, Triple PAR BTB)
- (30) Silvery metal(big pin, socket, Triple PAR BTB)
- (31) Black plastic(back cover, socket, Triple PAR BTB)

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- (32) Silvery plated coppery metal(connect plated, socket, Triple PAR BTB)
- (33) Silvery plated coppery metal(pin, socket, Triple PAR BTB)
- (34) Silvery metal(contact plate, socket, Triple PAR BTB)
- (35) Silvery metal(screen, Triple PAR BTB)
- (36) Silvery metal(spring sheet, tenon nail, Triple PAR BTB)
- (37) Black plastic(gasket, plate holder, handle, Triple PAR BTB)
- (38) Black plate silvery metal(screw, handle buckle holder, Triple PAR BTB)
- (39) Silvery metal(plate, handle buckle, Triple PAR BTB)
- (40) Silvery metal(button, handle buckle, Triple PAR BTB)
- (41) Silvery metal(spring, handle buckle, Triple PAR BTB)
- (42) Black soft plastic(food pad, Triple PAR BTB)
- (43) White soft plastic(film, Triple PAR BTB)
- (44) Black plastic(cap, Triple PAR BTB)
- (45) Black plastic(big screw, Triple PAR BTB)
- (46) Grey soft plastic(gasket, Triple PAR BTB)
- (47) Black plastic(small screw, Triple PAR BTB)
- (48) Black plated silvery metal(screw, back cover holder, Triple PAR BTB)
- (49) Black plastic(film, Triple PAR BTB)
- (50) Silvery metal(plate, buzzer holder, back cover, Triple PAR BTB)
- (51) Silvery metal(screw, buzzer holder, back cover, Triple PAR BTB)
- (52) White plastic(case, plug, buzzer, back cover, Triple PAR BTB)
- (53) Silvery metal(pin, plug, buzzer, back cover, Triple PAR BTB)
- (54) Red PVC(wire jacket, buzzer, back cover, Triple PAR BTB)
- (55) Black PVC(wire jacket, buzzer, back cover, Triple PAR BTB)
- (56) Silvery metal(wire, buzzer, back cover, Triple PAR BTB)
- (57) White plastic(socket, power PCB, Triple PAR BTB)
- (58) Black plastic(case, buzzer, back cover, Triple PAR BTB)
- (59) Black dry glue(buzzer, back cover, Triple PAR BTB)
- (60) Green PCB with solder(PCB, buzzer, back cover, Triple PAR BTB)
- (61) White dry glue(plate, buzzer, back cover, Triple PAR BTB)
- (62) Golden/beige parts(plate, buzzer, back cover, Triple PAR BTB)
- (63) Coppery metal(wire, buzzer, back cover, Triple PAR BTB)
- (64) Black soft plastic(searing, back cover, Triple PAR BTB)
- (65) Silvery metal(buckle, back cover, Triple PAR BTB)

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- (66) Silvery metal(spring, buckle, back cover, Triple PAR BTB)
- (67) Black plated silvery metal(screw, buckle, back cover, Triple PAR BTB)
- (68) Silvery metal(nut, buckle, back cover, Triple PAR BTB)
- (69) Multi-color coated transparent plastic(keyboard film, back cover, Triple PAR BTB)
- (70) White adhesive(PCB holder, back cover, Triple PAR BTB)
- (71) White printed black plastic with adhesive(label, back cover, Triple PAR BTB)
- (72) Silvery metal(hook, back cover, Triple PAR BTB)
- (73) Silvery metal(screw, hook holder, back cover, Triple PAR BTB)
- (74) Silvery metal(back cover, Triple PAR BTB)
- (75) Black parts(screen, control PCB, Triple PAR BTB)
- (76) Black body(LED, control PCB, Triple PAR BTB)
- (77) Silvery metal(pin, LED, control PCB, Triple PAR BTB)
- (78) Beige parts(socket J2, control PCB, Triple PAR BTB)
- (79) Black body(SMD triode, control PCB, Triple PAR BTB)
- (80) Black/beige parts(socket "U50", control PCB, Triple PAR BTB)
- (81) Beige body(LED, control PCB, Triple PAR BTB)
- (82) Green PCB with EC and solder(control PCB, Triple PAR BTB)
- (83) White plastic(case, plug, connect wire, Triple PAR BTB)
- (84) Golden metal(pin, plug, connect wire, Triple PAR BTB)
- (85) Black PVC(wire jacket, connect wire, Triple PAR BTB)
- (86) Blue PVC(wire jacket, connect wire, Triple PAR BTB)
- (87) Green PVC(wire jacket, connect wire, Triple PAR BTB)
- (88) Silvery metal(wire, connect wire, Triple PAR BTB)
- (89) Silvery metal(spring, shell, Triple PAR BTB)
- (90) Silvery metal(screw, PCB holder, shell, Triple PAR BTB)
- (91) Beige parts(LCD socket, main PCB, Triple PAR BTB)
- (92) Beige parts(socket "DMX", main PCB, Triple PAR BTB)
- (93) Beige parts(socket "PSU", main PCB, Triple PAR BTB)
- (94) Black body(SMD diode "D1", main PCB, Triple PAR BTB)
- (95) Black body(SMD diode "D3", main PCB, Triple PAR BTB)
- (96) Black body(SMD triode "U7", main PCB, Triple PAR BTB)
- (97) Black body(SMD triode "Q253", main PCB, Triple PAR BTB)
- (98) Black body(IC U1, main PCB, Triple PAR BTB)
- (99) Black body(IC U100, main PCB, Triple PAR BTB)

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- (100) Black body(IC U2, main PCB, Triple PAR BTB)
- (101) Black body(IC U9, main PCB, Triple PAR BTB)
- (102) Black body(IC Q255, main PCB, Triple PAR BTB)
- (103) Black body(IC U13, main PCB, Triple PAR BTB)
- (104) Grey body(inductor "L250", main PCB, Triple PAR BTB)
- (105) Silvery metal(pin, inductor "L250", main PCB, Triple PAR BTB)
- (106) Black/beige parts(socket P1, main PCB, Triple PAR BTB)
- (107) Grey/beige parts(cover, socket P401, main PCB, Triple PAR BTB)
- (108) Beige parts(socket J1, main PCB, Triple PAR BTB)
- (109) Silvery body(crystal oscillator, main PCB, Triple PAR BTB)
- (110) White/golden body(inductor, main PCB, Triple PAR BTB)
- (111) Green PCB with EC and solder(main PCB, Triple PAR BTB)
- (112) Grey fabric with adhesive(wire holder, main PCB, Triple PAR BTB)
- (113) Silvery metal(cover, PCB, main PCB, Triple PAR BTB)
- (114) Black body(big IC, PCB, main PCB, Triple PAR BTB)
- (115) Black body(medium IC, PCB, main PCB, Triple PAR BTB)
- (116) Black body(small IC, PCB, main PCB, Triple PAR BTB)
- (117) Silvery body(crystal oscillator, PCB, main PCB, Triple PAR BTB)
- (118) Black PCB with EC and solder(PCB, main PCB, Triple PAR BTB)
- (119) Silvery metal(screw, earth lead holder, Triple PAR BTB)
- (120) Silvery metal(spring gasket, earth lead holder, Triple PAR BTB)
- (121) Silvery metal(gasket, earth lead holder, Triple PAR BTB)
- (122) Silvery metal(gear gasket, earth lead holder, Triple PAR BTB)
- (123) Silvery metal(socket, earth lead holder, Triple PAR BTB)
- (124) Silvery metal(wire connect, earth lead, Triple PAR BTB)
- (125) Transparent PVC(sleeve, earth lead, Triple PAR BTB)
- (126) Yellow/green PVC(wire jacket, earth lead, Triple PAR BTB)
- (127) Black soft plastic(wire sleeve, earth lead, Triple PAR BTB)
- (128) Silvery metal(wire, earth lead, Triple PAR BTB)
- (129) Black plated silvery metal(screw, front ring holder, earth lead, Triple PAR BTB)
- (130) Black plated silvery metal(gasket, front ring holder, earth lead, Triple PAR BTB)
- (131) Black plastic(front ring, Triple PAR BTB)
- (132) Golden metal(rivet, front ring, Triple PAR BTB)
- (133) Silvery metal(spring, front ring, Triple PAR BTB)

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- (134) Silvery metal(button, front ring, Triple PAR BTB)
- (135) Black metal(spring holder, front ring, Triple PAR BTB)
- (136) Silvery magnet(front ring, Triple PAR BTB)
- (137) Translucent dry glue(magnet holder, front ring, Triple PAR BTB)
- (138) Black soft plastic(eyeglass holder, Triple PAR BTB)
- (139) Multi-color glass(eyeglass, Triple PAR BTB)
- (140) Transparent plastic(lamp, Triple PAR BTB)
- (141) Black soft plastic(tube, Triple PAR BTB)
- (142) Golden metal with solder(socket, Triple PAR BTB)
- (143) Black soft plastic(wire jacket, Triple PAR BTB)
- (144) Silvery metal(wire, Triple PAR BTB)
- (145) Green printed white paper(desiccant)
- (146) Brown solid(desiccant)
- (147) Golden parts(big plug, J2 connect wire, Triple PAR BTB)
- (148) Black magnet(ring, J2 connect wire, Triple PAR BTB)
- (149) Grey parts(J2 connect wire, Triple PAR BTB)
- (150) Golden parts(small plug, J2 connect wire, Triple PAR BTB)
- (151) Golden parts(socket J2, lamp holder PCB, Triple PAR BTB)
- (152) Black plastic(socket P1, lamp holder PCB, Triple PAR BTB)
- (153) Golden metal(pin, socket P1, lamp holder PCB, Triple PAR BTB)
- (154) Black PCB with solder(lamp holder PCB, Triple PAR BTB)
- (155) Grey parts(J1 connect wire, Triple PAR BTB)
- (156) Golden parts(plug, J1 connect wire, Triple PAR BTB)
- (157) Golden metal(stud, Triple PAR BTB)
- (158) Golden FPC(control PCB PFC, Triple PAR BTB)
- (159) Brown plastic(control PCB PFC, Triple PAR BTB)
- (160) Golden FPC(light source plate PFC, Triple PAR BTB)
- (161) Brown plastic(light source plate PFC, Triple PAR BTB)
- (162) Black plastic(socket P9, light source plate, Triple PAR BTB)
- (163) Golden metal(pin, socket P9, light source plate, Triple PAR BTB)
- (164) White parts(socket J6, light source plate, Triple PAR BTB)
- (165) Grey/blue body(inductor "L6", light source plate, Triple PAR BTB)
- (166) Golden white parts(FU2, light source plate, Triple PAR BTB)
- (167) Black body(IC "U9", light source plate, Triple PAR BTB)

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- (168) Black body(SMD diode "D4", light source plate, Triple PAR BTB)
- (169) Black body(SMD diode "D8-G", light source plate, Triple PAR BTB)
- (170) Black body(triode "Q3-B", light source plate, Triple PAR BTB)
- (171) Black body(SMD triode "Q3-R", light source plate, Triple PAR BTB)
- (172) Black PCB with EC and solder(light source plate, Triple PAR BTB)
- (173) Silvery metal(wire "JP2", light source plate, Triple PAR BTB)
- (174) Orange/white body(LED, light source plate, Triple PAR BTB)
- (175) Yellow/grey body(LED, light source plate, Triple PAR BTB)
- (176) White/grey body(LED, light source plate, Triple PAR BTB)
- (177) Brown/grey body(LED, light source plate, Triple PAR BTB)
- (178) White glue(light source plate, Triple PAR BTB)
- (179) Grey dry glue(waterproof glue, power PCB, Triple PAR BTB)
- (180) Black plastic(sleeve, power PCB, Triple PAR BTB)
- (181) Golden metal(nut, power PCB, Triple PAR BTB)
- (182) White plastic(plug, connect wire, power PCB, Triple PAR BTB)
- (183) Silvery metal(pin, plug, connect wire, power PCB, Triple PAR BTB)
- (184) Red PVC(connect wire, power PCB, Triple PAR BTB, semi-product)
- (185) Black PVC(connect wire, power PCB, Triple PAR BTB, semi-product)
- (186) Silvery metal(wire, connect wire, power PCB, Triple PAR BTB)
- (187) Silvery metal(short screw, radiator plate, power PCB, Triple PAR BTB)
- (188) Silvery metal(nut, power PCB holder, Triple PAR BTB)
- (189) Silvery metal(plate, radiator plate, power PCB, Triple PAR BTB)
- (190) Silvery metal(pin, radiator plate, power PCB, Triple PAR BTB)
- (191) Silvery metal(long screw, radiator plate, power PCB, Triple PAR BTB)
- (192) Silvery metal(nut, radiator plate, power PCB, Triple PAR BTB)
- (193) Black foam(power PCB, Triple PAR BTB)
- (194) Yellow plastic with adhesive(tape, radiator plate, power PCB, Triple PAR BTB)
- (195) White dry glue(power PCB, Triple PAR BTB)
- (196) Silvery metal with solder(pin, socket, power PCB, Triple PAR BTB)
- (197) White plastic(pin holder, socket, power PCB, Triple PAR BTB)
- (198) Black plastic with adhesive(film, power PCB, Triple PAR BTB)
- (199) Black PVC with adhesive(tape, power PCB, Triple PAR BTB)
- (200) Black plastic(rectifier, power PCB, Triple PAR BTB)
- (201) Silvery/coppery metal with silvery solder(pin, rectifier, power PCB, Triple PAR BTB)



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- (202) White dry glue(triode, power PCB, Triple PAR BTB)
- (203) Silvery/coppery metal with silvery solder(pin, triode "Q1", power PCB, Triple PAR BTB)
- (204) Black plastic(triode "Q1", power PCB, Triple PAR BTB)
- (205) Blue body(capacitor, power PCB, Triple PAR BTB)
- (206) White glass fiber(tube, capacitor, power PCB, Triple PAR BTB)
- (207) Transparent body(LED, power PCB, Triple PAR BTB)
- (208) Beige plastic(LED holder, power PCB, Triple PAR BTB)
- (209) Blue body(resistor, SVR1, power PCB, Triple PAR BTB)
- (210) Yellow body(capacitor, power PCB, Triple PAR BTB)
- (211) Coppery/green/black parts(inductor "LF2", power PCB, Triple PAR BTB)
- (212) Black printed pink body(resistor, power PCB, Triple PAR BTB)
- (213) Black/red printed silvery plastic with adhesive(label, capacitor "C5", power PCB, Triple PAR BTB)
- (214) Black parts(capacitor "C5", power PCB, Triple PAR BTB)
- (215) White printed black plastic(sleeve, capacitor "HS100", power PCB, Triple PAR BTB)
- (216) Silvery body(capacitor "HS100", power PCB, Triple PAR BTB)
- (217) White printed black plastic(sleeve, capacitor "C105", power PCB, Triple PAR BTB)
- (218) Silvery body(capacitor "C105", power PCB, Triple PAR BTB)
- (219) White printed black plastic(sleeve, capacitor "C107", power PCB, Triple PAR BTB)
- (220) Silvery body(capacitor "C107", power PCB, Triple PAR BTB)
- (221) Black body(IC "U2", power PCB, Triple PAR BTB)
- (222) Black soft plastic(sleeve, resistor "RTH1", power PCB, Triple PAR BTB)
- (223) Green body(resistor "RTH1", power PCB, Triple PAR BTB)
- (224) Black parts(FS1, power PCB, Triple PAR BTB)
- (225) Silvery/coppery metal with silvery solder(pin, triode "D100", power PCB, Triple PAR BTB)
- (226) Black plastic(triode "D100", power PCB, Triple PAR BTB)
- (227) Black magnet(triode "D100", power PCB, Triple PAR BTB)
- (228) Black parts(inductor "L100", power PCB, Triple PAR BTB)
- (229) Black soft plastic(pad, power PCB, Triple PAR BTB)
- (230) Silvery/coppery metal with silvery solder(pin, diode "D5", power PCB, Triple PAR BTB)
- (231) Black plastic(diode "D5", power PCB, Triple PAR BTB)
- (232) Silvery metal(wire "J2", power PCB, Triple PAR BTB)
- (233) Coppery/yellow parts(inductor "LF1", power PCB, Triple PAR BTB)
- (234) Yellow/black parts(transformer, power PCB, Triple PAR BTB)
- (235) Black PVC(wire jacket, power PCB, Triple PAR BTB)

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- (236) Silvery metal(wire, power PCB, Triple PAR BTB)
- (237) Silvery metal(wire clip, power PCB, Triple PAR BTB)
- (238) Black body(SMD diode "D2", power PCB, Triple PAR BTB)
- (239) Black body(SMD diode "D40", power PCB, Triple PAR BTB)
- (240) Black body(IC "U1", power PCB, Triple PAR BTB)
- (241) Green PCB with EC and solder(power PCB, Triple PAR BTB)
- (242) Silvery metal(screw, EMI holder, Triple PAR BTB)
- (243) Silvery metal(gasket, EMI holder, Triple PAR BTB)
- (244) Silvery metal(small gasket, EMI holder, Triple PAR BTB)
- (245) Silvery metal(nut, EMI holder, Triple PAR BTB)
- (246) Brown PVC(wire jacket, connect wire, EMI, Triple PAR BTB)
- (247) Blue PVC(wire jacket, connect wire, EMI, Triple PAR BTB)
- (248) Green/yellow PVC(wire jacket, connect wire, EMI, Triple PAR BTB)
- (249) Silvery metal(wire, connect wire, EMI, Triple PAR BTB)
- (250) Black soft plastic(wire holder, EMI, Triple PAR BTB)
- (251) Black printed silvery plastic with adhesive(label, EMI, Triple PAR BTB)
- (252) Silvery metal with solder(shell, EMI, Triple PAR BTB)
- (253) Transparent plastic(film, inner, EMI, Triple PAR BTB)
- (254) Black dry glue(inner, EMI, Triple PAR BTB)
- (255) Green body(capacitor, EMI, Triple PAR BTB)
- (256) Blue body(capacitor, EMI, Triple PAR BTB)
- (257) Coppery/white parts(inductor, EMI, Triple PAR BTB)
- (258) Grey metal(shell, Triple PAR BTB)
- (259) Silvery metal(screw, battery holder, Triple PAR BTB)
- (260) Silvery metal(screw holder, battery holder, Triple PAR BTB)
- (261) Silvery metal(battery holder, Triple PAR BTB)
- (262) Brown plastic(FPC, battery, Triple PAR BTB)
- (263) Golden FPC(battery, Triple PAR BTB)
- (264) Transparent golden plastic with adhesive(tape, battery, Triple PAR BTB)
- (265) Black soft plastic(battery holder, Triple PAR BTB)
- (266) Black fabric(battery, Triple PAR BTB)
- (267) Black foam with adhesive(battery pad, Triple PAR BTB)
- (268) Black soft plastic(pin sleeve, battery, Triple PAR BTB)
- (269) Red paper with adhesive(battery, Triple PAR BTB)

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- (270) Black printed white plastic with adhesive(label, battery)
- (271) Silvery metal(pin, PCB, battery, Triple PAR BTB)
- (272) Black body(inductor, wire, battery, Triple PAR BTB)
- (273) Black PVC(wire jacket, wire, battery, Triple PAR BTB)
- (274) Silvery metal(wire, battery, Triple PAR BTB)
- (275) Red PVC(wire jacket, battery wire, Triple PAR BTB)
- (276) Silvery metal(wire, battery wire, Triple PAR BTB)
- (277) Black plastic(SMD diode "Q3", PCB, battery, Triple PAR BTB)
- (278) Silvery/coppery metal with solder(pin, SMD diode "Q3", PCB, battery, Triple PAR BTB)
- (279) Black body(SMD triode "Q8", PCB, battery, Triple PAR BTB)
- (280) Black body(IC "U5", PCB, battery, Triple PAR BTB)
- (281) Black body(IC "U77", PCB, battery, Triple PAR BTB)
- (282) Black body(IC "U7", PCB, battery, Triple PAR BTB)
- (283) Black/beige parts(FPC socket, PCB, battery, Triple PAR BTB)
- (284) Green PCB with EC and solder(PCB, battery, Triple PAR BTB)
- (285) Black printed purple/silvery body(battery)
- (286) Black body(SMD diode "D5", PCB, battery, Triple PAR BTB)
- (287) Black body(SMD diode "D2", PCB, battery, Triple PAR BTB)
- (288) Transparent plastic(screen cover, control PCB, Triple PAR BTB)
- (289) Silvery metal(gasket, stud, Triple PAR BTB)

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**A. Two hundred and twenty-four (224) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH**

Test method: With reference to in-house method, Analysis is performed by ICP-AES, UV-VIS, IC, GC-MS, Headspace GC-MS, LC-MS/MS, HPLC-TS-MS.

| Item                                 | Unit  | MDL | Result |                                                |                                                   |                                                   |                                                   |                                                         |
|--------------------------------------|-------|-----|--------|------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
|                                      |       |     | (1)    | (2)+(3)+(4)+(5)+(6)+(7)+(8)+(9)+(11)+(12)+(38) | (10)+(17)+(29)+(32)+(33)+(34)+(35)+(36)+(39)+(40) | (15)+(22)+(23)+(24)+(31)+(37)+(44)+(45)+(46)+(47) | (41)+(50)+(51)+(53)+(56)+(63)+(66)+(72)+(73)+(77) | (43)+(52)+(57)+(61)+(71)+(75)+(78)+(80)+(83)+(91)+(288) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.   | N.D.                                           | N.D.                                              | N.D.                                              | N.D.                                              | N.D.                                                    |

| Item                                 | Unit  | MDL | Result                                       |      |      |                                               |                                    |                                                    |
|--------------------------------------|-------|-----|----------------------------------------------|------|------|-----------------------------------------------|------------------------------------|----------------------------------------------------|
|                                      |       |     | (49)+(58)+(59)+(131)+(140)+(152)+(162)+(180) | (54) | (55) | (60)+(82)+(111)+(118)+(154)+(172)+(241)+(284) | (70)+(198)+(254)+(264)+(267)+(269) | (76)+(79)+(81)+(94)+(95)+(96)+(97)+(98)+(99)+(100) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.                                         | N.D. | N.D. | N.D.                                          | N.D.                               | N.D.                                               |

| Item                                 | Unit  | MDL | Result                                                  |      |      |      |                                                                 |                                                             |
|--------------------------------------|-------|-----|---------------------------------------------------------|------|------|------|-----------------------------------------------------------------|-------------------------------------------------------------|
|                                      |       |     | (84)+(88)+(89)+(90)+(105)+(113)+(119)+(120)+(121)+(122) | (85) | (86) | (87) | (92)+(93)+(253)+(257)+(262)+(268)+(270)+(277)+(283)+(286)+(287) | (101)+(102)+(103)+(104)+(109)+(110)+(114)+(115)+(116)+(117) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.                                                    | N.D. | N.D. | N.D. | N.D.                                                            | N.D.                                                        |

| Item                                 | Unit  | MDL | Result                                                      |                                                             |       |       |             |       |
|--------------------------------------|-------|-----|-------------------------------------------------------------|-------------------------------------------------------------|-------|-------|-------------|-------|
|                                      |       |     | (106)+(107)+(108)+(112)+(137)+(141)+(149)+(150)+(155)+(156) | (123)+(124)+(128)+(130)+(133)+(134)+(135)+(136)+(144)+(145) | (125) | (126) | (139)+(206) | (146) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.                                                        | N.D.                                                        | N.D.  | N.D.  | N.D.        | N.D.  |

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| Item                                 | Unit  | MDL | Result                                                                      |                       |                                                                             |                                                                             |                                                                             |       |
|--------------------------------------|-------|-----|-----------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------|
|                                      |       |     | (148)+(163)+<br>(173)+(183)+<br>(186)+(187)+<br>(188)+(189)+<br>(190)+(191) | (158)+(160)+<br>(263) | (159)+(161)+<br>(164)+(166)+<br>(179)+(182)+<br>(193)+(194)+<br>(195)+(197) | (165)+(167)+<br>(168)+(169)+<br>(170)+(171)+<br>(174)+(175)+<br>(176)+(177) | (178)+(200)+<br>(202)+(204)+<br>(208)+(211)+<br>(213)+(214)+<br>(215)+(217) | (184) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.                                                                        | N.D.                  | N.D.                                                                        | N.D.                                                                        | N.D.                                                                        | N.D.  |

| Item                                 | Unit  | MDL | Result |                                                                             |                                                                             |                                                                             |       |                                                                             |
|--------------------------------------|-------|-----|--------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------|
|                                      |       |     | (185)  | (192)+(196)+<br>(227)+(232)+<br>(236)+(237)+<br>(242)+(243)+<br>(244)+(245) | (205)+(207)+<br>(209)+(210)+<br>(212)+(216)+<br>(218)+(220)+<br>(221)+(223) | (219)+(222)+<br>(224)+(226)+<br>(228)+(229)+<br>(231)+(233)+<br>(234)+(251) | (235) | (238)+(239)+<br>(240)+(255)+<br>(256)+(272)+<br>(279)+(280)+<br>(281)+(282) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.   | N.D.                                                                        | N.D.                                                                        | N.D.                                                                        | N.D.  | N.D.                                                                        |

| Item                                 | Unit  | MDL | Result |       |       |                                                   |
|--------------------------------------|-------|-----|--------|-------|-------|---------------------------------------------------|
|                                      |       |     | (246)  | (247) | (248) | (249)+(259)+(260)+<br>(271)+(274)+(276)+<br>(289) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.   | N.D.  | N.D.  | N.D.                                              |

| Item                                 | Unit  | MDL | Result |       |       |       |
|--------------------------------------|-------|-----|--------|-------|-------|-------|
|                                      |       |     | (266)  | (273) | (275) | (285) |
| All Tested 224 SVHC in the Candidate | mg/kg | 50  | N.D.   | N.D.  | N.D.  | N.D.  |

| No. | Item                                           | EC No     | Unit  | MDL | Result                                           | Category                                 |
|-----|------------------------------------------------|-----------|-------|-----|--------------------------------------------------|------------------------------------------|
|     |                                                |           |       |     | (13)+(14)+(16)+(18)+(19)+<br>(21)+(48)+(65)+(67) |                                          |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 80                                               | Toxic for reproduction<br>(Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.                                             | /                                        |

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| No. | Item                                           | EC No     | Unit  | MDL | Result                                                | Category                                                                                                                           |
|-----|------------------------------------------------|-----------|-------|-----|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                |           |       |     | (20)+(42)+(64)+(69)+(127)<br>+(138)+(143)+(250)+(265) |                                                                                                                                    |
| 9   | Bis-(2-ethylhexyl) Phthalate(DEHP)             | 204-211-0 | mg/kg | 50  | 87                                                    | Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.                                                  | /                                                                                                                                  |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (25)   |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 13851* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category |
|-----|------------------------------------------------|-----------|-------|-----|--------|----------|
|     |                                                |           |       |     | (26)   |          |
| 3   | Dibutyl Phthalate(DBP)                         | 201-557-4 | mg/kg | 50  | 1595*  | CMR      |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /        |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category |
|-----|------------------------------------------------|-----------|-------|-----|--------|----------|
|     |                                                |           |       |     | (27)   |          |
| 3   | Dibutyl Phthalate(DBP)                         | 201-557-4 | mg/kg | 50  | 210    | CMR      |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /        |

| No. | Item                               | EC No     | Unit  | MDL | Result | Category                                                                                                                           |
|-----|------------------------------------|-----------|-------|-----|--------|------------------------------------------------------------------------------------------------------------------------------------|
|     |                                    |           |       |     | (28)   |                                                                                                                                    |
| 3   | Dibutyl Phthalate(DBP)             | 201-557-4 | mg/kg | 50  | 82     | CMR                                                                                                                                |
| 9   | Bis-(2-ethylhexyl) Phthalate(DEHP) | 204-211-0 | mg/kg | 50  | 58     | Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c) |

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| No. | Item                                           | EC No | Unit  | MDL | Result | Category |
|-----|------------------------------------------------|-------|-------|-----|--------|----------|
|     |                                                |       |       |     | (28)   |          |
| /   | All the other tested 222 SVHC in the Candidate | /     | mg/kg | /   | N.D.   | /        |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (30)   |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 22844* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (62)   |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 56671* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result                            | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|-----------------------------------|---------------------------------------|
|     |                                                |           |       |     | (68)+(74)+(129)+(252)+(258)+(261) |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 130                               | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.                              | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (132)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 26549* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (142)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 30268* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

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| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (147)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 14454* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (151)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 28878* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (153)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 20007* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (157)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 25890* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (181)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 24359* | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |



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| No. | Item                                           | EC No     | Unit  | MDL | Result  | Category                                                                                                                           |
|-----|------------------------------------------------|-----------|-------|-----|---------|------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                |           |       |     | (199)   |                                                                                                                                    |
| 9   | Bis-(2-ethylhexyl) Phthalate(DEHP)             | 204-211-0 | mg/kg | 50  | 146493* | Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.    | /                                                                                                                                  |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (201)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 2106*  | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (203)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 2186*  | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (225)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 2250*  | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (230)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 3167*  | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

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| No. | Item                                           | EC No     | Unit  | MDL | Result | Category                              |
|-----|------------------------------------------------|-----------|-------|-----|--------|---------------------------------------|
|     |                                                |           |       |     | (278)  |                                       |
| 184 | Lead(Pb)                                       | 231-100-4 | mg/kg | 50  | 4245*  | Toxic for reproduction (Article 57 c) |
| /   | All the other tested 223 SVHC in the Candidate | /         | mg/kg | /   | N.D.   | /                                     |

## Full list of tested SVHC:

| No. | Item                                                              | CAS No.                                                            | EC No.              | Unit  | MDL | Category                                                                                                                           |
|-----|-------------------------------------------------------------------|--------------------------------------------------------------------|---------------------|-------|-----|------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Anthracene(ANT)                                                   | 120-12-7                                                           | 204-371-1           | mg/kg | 50  | PBT                                                                                                                                |
| 2   | 4,4' -diaminodiphenylmethane (9#)                                 | 101-77-9                                                           | 202-974-4           | mg/kg | 50  | CMR                                                                                                                                |
| 3   | Dibutyl Phthalate(DBP)                                            | 84-74-2                                                            | 201-557-4           | mg/kg | 50  | CMR                                                                                                                                |
| 4   | Cobalt Dichloride(CoCl <sub>2</sub> )*                            | 7646-79-9                                                          | 231-589-4           | mg/kg | 50  | CMR                                                                                                                                |
| 5   | Diarsenic Pentaoxide(As <sub>2</sub> O <sub>5</sub> )*            | 1303-28-2                                                          | 215-116-9           | mg/kg | 50  | CMR                                                                                                                                |
| 6   | Diarsenic Trioxide(As <sub>2</sub> O <sub>3</sub> )*              | 1327-53-3                                                          | 215-481-4           | mg/kg | 50  | CMR                                                                                                                                |
| 7   | Sodium Dichromate, Dihydrate*                                     | 7789-12-0;<br>10588-01-9                                           | 234-190-3           | mg/kg | 50  | CMR                                                                                                                                |
| 8   | 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)                 | 81-15-2                                                            | 201-329-4           | mg/kg | 50  | vPvB                                                                                                                               |
| 9   | Bis-(2-ethylhexyl) Phthalate (DEHP)                               | 117-81-7                                                           | 204-211-0           | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c) |
| 10  | Hexabromocyclododecane (HBCDD)                                    | 25637-99-4 &<br>3194-55-6<br>(134237-51-7,134237-50-6,134237-52-8) | 247-148-4;221-695-9 | mg/kg | 50  | PBT                                                                                                                                |
| 11  | Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP) | 85535-84-8                                                         | 287-476-5           | mg/kg | 50  | PBT                                                                                                                                |
| 12  | Bis(tributyltin)oxide(TBTO)**                                     | 56-35-9                                                            | 200-268-0           | mg/kg | 50  | PBT                                                                                                                                |
| 13  | Lead Hydrogen Arsenate*                                           | 7784-40-9                                                          | 232-064-2           | mg/kg | 50  | CMR                                                                                                                                |
| 14  | Benzyl Butyl Phthalate(BBP)                                       | 85-68-7                                                            | 201-622-7           | mg/kg | 50  | CMR                                                                                                                                |
| 15  | Triethyl Arsenate*                                                | 15606-95-8                                                         | 427-700-2           | mg/kg | 50  | CMR                                                                                                                                |
| 16  | Anthracene oil***                                                 | 90640-80-5                                                         | 292-602-7           | mg/kg | 50  | PBT                                                                                                                                |
| 17  | Anthracene oil, anthracene paste, distn. lights***                | 91995-17-4                                                         | 295-278-5           | mg/kg | 50  | PBT                                                                                                                                |

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| No. | Item                                                                        | CAS No.                        | EC No.               | Unit  | MDL | Category |
|-----|-----------------------------------------------------------------------------|--------------------------------|----------------------|-------|-----|----------|
| 18  | Anthracene oil, anthracene paste, anthracene fraction***                    | 91995-15-2                     | 295-275-9            | mg/kg | 50  | PBT      |
| 19  | Anthracene oil, Anthracene-low***                                           | 90640-82-7                     | 292-604-8            | mg/kg | 50  | PBT      |
| 20  | Anthracene oil, anthracene paste***                                         | 90640-81-6                     | 292-603-2            | mg/kg | 50  | PBT      |
| 21  | Diisobutyl phthalate(DIBP)                                                  | 84-69-5                        | 201-553-2            | mg/kg | 50  | CMR      |
| 22  | 2,4-Dinitrotoluene                                                          | 121-14-2                       | 204-450-0            | mg/kg | 50  | CMR      |
| 23  | coal tar pitch, high temperature***                                         | 65996-93-2                     | 266-028-2            | mg/kg | 50  | PBT      |
| 24  | tris(2-chloroethyl)phosphate                                                | 115-96-8                       | 204-118-5            | mg/kg | 50  | CMR      |
| 25  | Lead sulfochromate yellow (C.I. Pigment Yellow 34)                          | 1344-37-2                      | 215-693-7            | mg/kg | 50  | CMR      |
| 26  | C.I.Pigment Red 104                                                         | 12656-85-8                     | 235-759-9            | mg/kg | 50  | CMR      |
| 27  | Lead chromate: chrome yellow                                                | 7758-97-6                      | 231-846-0            | mg/kg | 50  | CMR      |
| 28  | Acrylamide                                                                  | 79-06-1                        | 201-173-7            | mg/kg | 50  | CMR      |
| 29  | Trichloroethylene                                                           | 79-01-6                        | 201-167-4            | mg/kg | 50  | CMR      |
| 30  | Boric acid                                                                  | 10043-35-3;<br>11113-50-1      | 233-139-2; 234-343-4 | mg/kg | 50  | CMR      |
| 31  | Disodium tetraborate, anhydrous*                                            | 1330-43-4;12179-04-3;1303-96-4 | 215-540-4            | mg/kg | 50  | CMR      |
| 32  | Tetraboron disodium heptaoxide, hydrate*                                    | 12267-73-1                     | 235-541-3            | mg/kg | 50  | CMR      |
| 33  | Sodium chromate*                                                            | 7775-11-3                      | 231-889-5            | mg/kg | 50  | CMR      |
| 34  | Potassium chromate*                                                         | 7789-00-6                      | 232-140-5            | mg/kg | 50  | CMR      |
| 35  | Ammonium dichromate*                                                        | 7789-09-5                      | 232-143-1            | mg/kg | 50  | CMR      |
| 36  | Potassium dichromate*                                                       | 7778-50-9                      | 231-906-6            | mg/kg | 50  | CMR      |
| 37  | Cobalt(II) sulfate*                                                         | 10124-43-3                     | 233-334-2            | mg/kg | 50  | CMR      |
| 38  | Cobalt(II) dinitrate*                                                       | 10141-05-6                     | 233-402-1            | mg/kg | 50  | CMR      |
| 39  | Cobalt(II) carbonate*                                                       | 513-79-1                       | 208-169-4            | mg/kg | 50  | CMR      |
| 40  | Cobalt(II) diacetate*                                                       | 71-48-7                        | 200-755-8            | mg/kg | 50  | CMR      |
| 41  | 2-Methoxyethanol                                                            | 109-86-4                       | 203-713-7            | mg/kg | 50  | CMR      |
| 42  | 2-Ethoxyethanol                                                             | 110-80-5                       | 203-804-1            | mg/kg | 50  | CMR      |
| 43  | Chromium trioxide*                                                          | 1333-82-0                      | 215-607-8            | mg/kg | 50  | CMR      |
| 44  | Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* | 7738-94-5;<br>13530-68-2       | 231-801-5;236-881-5  | mg/kg | 50  | CMR      |

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| No. | Item                                                                                | CAS No.                | EC No.    | Unit  | MDL | Category                                                                       |
|-----|-------------------------------------------------------------------------------------|------------------------|-----------|-------|-----|--------------------------------------------------------------------------------|
| 45  | 2-Ethoxyethylacetate                                                                | 111-15-9               | 203-839-2 | mg/kg | 50  | CMR                                                                            |
| 46  | strontium chromate*                                                                 | 7789-06-2              | 232-142-6 | mg/kg | 50  | CRM                                                                            |
| 47  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)      | 68515-42-4             | 271-084-6 | mg/kg | 50  | CMR                                                                            |
| 48  | Hydrazine                                                                           | 7803-57-8;<br>302-01-2 | 206-114-9 | mg/kg | 50  | CMR                                                                            |
| 49  | 1-methyl-2-pyrrolidone(NMP)                                                         | 872-50-4               | 212-828-1 | mg/kg | 50  | CMR                                                                            |
| 50  | 1,2,3-Trichloropropane                                                              | 96-18-4                | 202-486-1 | mg/kg | 50  | CMR                                                                            |
| 51  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP(rich C7)) | 71888-89-6             | 276-158-1 | mg/kg | 50  | CMR                                                                            |
| 52  | Zirconia Aluminosilicate Refractory Ceramic Fibres****                              | ---                    | ---       | mg/kg | 50  | CMR                                                                            |
| 53  | Calcium arsenate*                                                                   | 7778-44-1              | 231-904-5 | mg/kg | 50  | CMR                                                                            |
| 54  | Bis(2-methoxy ethyl)ether                                                           | 111-96-6               | 203-924-4 | mg/kg | 50  | CMR                                                                            |
| 55  | Aluminosilicate Refractory Ceramic Fibres(RCF)****                                  | ---                    | ---       | mg/kg | 50  | CMR                                                                            |
| 56  | Potassium hydroxyoctaoxodizincatedichromate*                                        | 11103-86-9             | 234-329-8 | mg/kg | 50  | CMR                                                                            |
| 57  | Lead dipicrate                                                                      | 6477-64-1              | 229-335-2 | mg/kg | 50  | CMR                                                                            |
| 58  | N,N-Dimethylacetamide                                                               | 127-19-5               | 204-826-4 | mg/kg | 50  | CMR                                                                            |
| 59  | Arsenic acid                                                                        | 7778-39-4              | 231-901-9 | mg/kg | 50  | CMR                                                                            |
| 60  | 2-Methoxyaniline; o-Anisidine (21#)                                                 | 90-04-0                | 201-963-1 | mg/kg | 50  | CMR                                                                            |
| 61  | Trilead diarsenate*                                                                 | 3687-31-8              | 222-979-5 | mg/kg | 50  | CMR                                                                            |
| 62  | 1,2-Dichloroethane                                                                  | 107-06-2               | 203-458-1 | mg/kg | 50  | CMR                                                                            |
| 63  | Pentazinc chromate octahydroxide                                                    | 49663-84-5             | 256-418-0 | mg/kg | 50  | CMR                                                                            |
| 64  | 4-(1,1,3,3-tetramethylbutyl) phenol                                                 | 140-66-9               | 205-426-2 | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment |
| 65  | Formaldehyde, oligomeric reaction products with aniline                             | 25214-70-4             | 500-036-1 | mg/kg | 50  | CMR                                                                            |
| 66  | Bis(2-methoxyethyl) Phthalate (DMEP)                                                | 117-82-8               | 204-212-6 | mg/kg | 50  | CMR                                                                            |
| 67  | Lead diazide, Lead azide*                                                           | 13424-46-9             | 236-542-1 | mg/kg | 50  | CMR                                                                            |
| 68  | Lead styphnate*                                                                     | 15245-44-0             | 239-290-0 | mg/kg | 50  | CMR                                                                            |

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| 69  | 2,2'-dichloro-4,4'-methylenedianiline                                                                                                           | 101-14-4   | 202-918-9 | mg/kg | 50  | CMR      |
| 70  | Phenolphthalein                                                                                                                                 | 77-09-8    | 201-004-7 | mg/kg | 50  | CMR      |
| 71  | Dichromium tris(chromate)*                                                                                                                      | 24613-89-6 | 246-356-2 | mg/kg | 50  | CMR      |
| 72  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                               | 112-49-2   | 203-977-3 | mg/kg | 50  | CMR      |
| 73  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)                                                                                      | 110-71-4   | 203-794-9 | mg/kg | 50  | CMR      |
| 74  | Diboron trioxide*                                                                                                                               | 1303-86-2  | 215-125-8 | mg/kg | 50  | CMR      |
| 75  | Formamide(FMA)                                                                                                                                  | 75-12-7    | 200-842-0 | mg/kg | 50  | CMR      |
| 76  | Lead(II) bis(methanesulfonate)*                                                                                                                 | 17570-76-2 | 401-750-5 | mg/kg | 50  | CMR      |
| 77  | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)                                                                              | 2451-62-9  | 219-514-3 | mg/kg | 50  | CMR      |
| 78  | β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)                                                         | 59653-74-6 | 423-400-0 | mg/kg | 50  | CMR      |
| 79  | 4,4'-Bis(dimethylamino)benzophenone(Michler's ketone)                                                                                           | 90-94-8    | 202-027-5 | mg/kg | 50  | CMR      |
| 80  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                                  | 101-61-1   | 202-959-2 | mg/kg | 50  | CMR      |
| 81  | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)*****                   | 548-62-9   | 208-953-6 | mg/kg | 50  | CMR      |
| 82  | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)***** | 2580-56-5  | 219-943-6 | mg/kg | 50  | CMR      |
| 83  | α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1 -methanol(C.I. Solvent Blue 4)*****                                              | 6786-83-0  | 229-851-8 | mg/kg | 50  | CMR      |
| 84  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol*****                                                                                    | 561-41-1   | 209-218-2 | mg/kg | 50  | CMR      |
| 85  | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)                                                                                 | 1163-19-5  | 214-604-9 | mg/kg | 50  | PBT      |

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| 86  | Pentacosafuorotridecanoic acid(EGDME)                                                                                                                                                                                                                                                          | 72629-94-8                                              | 276-745-2                               | mg/kg | 50  | vPvB                                                                           |
| 87  | Tricosafuorododecanoic acid                                                                                                                                                                                                                                                                    | 307-55-1                                                | 206-203-2                               | mg/kg | 50  | vPvB                                                                           |
| 88  | Henicosafuoroundecanoic acid                                                                                                                                                                                                                                                                   | 2058-94-8                                               | 218-165-4                               | mg/kg | 50  | vPvB                                                                           |
| 89  | Heptacosafuorotetradecanoic acid                                                                                                                                                                                                                                                               | 376-06-7                                                | 206-803-4                               | mg/kg | 50  | vPvB                                                                           |
| 90  | 4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues                                                                                                                                                               | ---                                                     | ---                                     | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment |
| 91  | 4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof             | ---                                                     | ---                                     | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment |
| 92  | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))                                                                                                                                                                                                                                              | 123-77-3                                                | 204-650-8                               | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment |
| 93  | Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry | 85-42-7;<br>13149-00-3;<br>14166-21-3                   | 201-604-9;236-086-3;238-009-9           | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment |
| 94  | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride                                                                                                                                            | 25550-51-0;<br>19438-60-9;<br>48122-14-1;<br>57110-29-9 | 247-094-1;243-072-0;256-356-4;260-566-1 | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment |
| 95  | Methoxyacetic acid                                                                                                                                                                                                                                                                             | 625-45-6                                                | 210-894-6                               | mg/kg | 50  | CMR                                                                            |
| 96  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPIP)                                                                                                                                                                                                                         | 84777-06-0                                              | 284-032-2                               | mg/kg | 50  | CMR                                                                            |
| 97  | Diisopentylphthalate(DIPP)                                                                                                                                                                                                                                                                     | 605-50-5                                                | 210-088-4                               | mg/kg | 50  | CMR                                                                            |

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| 98  | N-pentyl-iso-pentyl Phthalate (PIPP)                                                                                                                                                                                                                                                                                                                         | 776297-69-9 | ---       | mg/kg | 50  | CMR      |
| 99  | 1,2-Diethoxyethane                                                                                                                                                                                                                                                                                                                                           | 629-14-1    | 211-076-1 | mg/kg | 50  | CMR      |
| 100 | N,N-dimethylformamide(DMF)                                                                                                                                                                                                                                                                                                                                   | 68-12-2     | 200-679-5 | mg/kg | 50  | CMR      |
| 101 | Dibutyltin dichloride(DBTC)                                                                                                                                                                                                                                                                                                                                  | 683-18-1    | 211-670-0 | mg/kg | 50  | CMR      |
| 102 | Acetic acid, lead salt, basic*                                                                                                                                                                                                                                                                                                                               | 51404-69-4  | 257-175-3 | mg/kg | 50  | CMR      |
| 103 | Basic lead carbonate (trilead bis(carbonate)dihydroxide)*                                                                                                                                                                                                                                                                                                    | 1319-46-6   | 215-290-6 | mg/kg | 50  | CMR      |
| 104 | Lead oxide sulfate (basic lead sulfate)*                                                                                                                                                                                                                                                                                                                     | 12036-76-9  | 234-853-7 | mg/kg | 50  | CMR      |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*                                                                                                                                                                                                                                                                                                        | 69011-06-9  | 273-688-5 | mg/kg | 50  | CMR      |
| 106 | Dioxobis(stearato)trilead*                                                                                                                                                                                                                                                                                                                                   | 12578-12-0  | 235-702-8 | mg/kg | 50  | CMR      |
| 107 | Fatty acids, C16-18, lead salts*                                                                                                                                                                                                                                                                                                                             | 91031-62-8  | 292-966-7 | mg/kg | 50  | CMR      |
| 108 | Lead bis(tetrafluoroborate)*                                                                                                                                                                                                                                                                                                                                 | 13814-96-5  | 237-486-0 | mg/kg | 50  | CMR      |
| 109 | Lead cyanamidate*                                                                                                                                                                                                                                                                                                                                            | 20837-86-9  | 244-073-9 | mg/kg | 50  | CMR      |
| 110 | Lead dinitrate*                                                                                                                                                                                                                                                                                                                                              | 10099-74-8  | 233-245-9 | mg/kg | 50  | CMR      |
| 111 | Lead oxide (lead monoxide)*                                                                                                                                                                                                                                                                                                                                  | 1317-36-8   | 215-267-0 | mg/kg | 50  | CMR      |
| 112 | Lead tetroxide (orange lead)*                                                                                                                                                                                                                                                                                                                                | 1314-41-6   | 215-235-6 | mg/kg | 50  | CMR      |
| 113 | Lead titanium trioxide*                                                                                                                                                                                                                                                                                                                                      | 12060-00-3  | 235-038-9 | mg/kg | 50  | CMR      |
| 114 | Lead Titanium Zirconium Oxide*                                                                                                                                                                                                                                                                                                                               | 12626-81-2  | 235-727-4 | mg/kg | 50  | CMR      |
| 115 | Pentalead tetraoxide sulphate*                                                                                                                                                                                                                                                                                                                               | 12065-90-6  | 235-067-7 | mg/kg | 50  | CMR      |
| 116 | Pyrochlore, antimony lead yellow C.I.*                                                                                                                                                                                                                                                                                                                       | 8012-00-8   | 232-382-1 | mg/kg | 50  | CMR      |
| 117 | Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] | 68784-75-8  | 272-271-5 | mg/kg | 50  | CMR      |
| 118 | Silicic acid, lead salt*                                                                                                                                                                                                                                                                                                                                     | 11120-22-2  | 234-363-3 | mg/kg | 50  | CMR      |

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| 119 | Sulfurous acid, lead salt, dibasic*                | 62229-08-7  | 263-467-1 | mg/kg | 50  | CMR      |
| 120 | Tetraethyllead*                                    | 78-00-2     | 201-075-4 | mg/kg | 50  | CMR      |
| 121 | Tetralead trioxide sulphate*                       | 12202-17-4  | 235-380-9 | mg/kg | 50  | CMR      |
| 122 | Trilead dioxide phosphonate*                       | 12141-20-7  | 235-252-2 | mg/kg | 50  | CMR      |
| 123 | Furan                                              | 110-00-9    | 203-727-3 | mg/kg | 50  | CMR      |
| 124 | Propylene oxide; 1,2-epoxypropane; methyloxirane   | 75-56-9     | 200-879-2 | mg/kg | 50  | CMR      |
| 125 | Diethyl sulfate                                    | 64-67-5     | 200-589-6 | mg/kg | 50  | CMR      |
| 126 | Dimethyl sulfate                                   | 77-78-1     | 201-058-1 | mg/kg | 50  | CMR      |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | mg/kg | 50  | CMR      |
| 128 | Dinoseb                                            | 88-85-7     | 201-861-7 | mg/kg | 50  | CMR      |
| 129 | 4,4'-methylenedi-o-toluidine                       | 838-88-0    | 212-658-8 | mg/kg | 50  | CMR      |
| 130 | 4,4'-oxydianiline and its salts                    | 101-80-4    | 202-977-0 | mg/kg | 50  | CMR      |
| 131 | 4-Aminoazobenzene; 4-Phenylazoaniline              | 60-09-3     | 200-453-6 | mg/kg | 50  | CMR      |
| 132 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine)  | 95-80-7     | 202-453-1 | mg/kg | 50  | CMR      |
| 133 | 6-methoxy-m-toluidine (p-cresidine)                | 120-71-8    | 204-419-1 | mg/kg | 50  | CMR      |
| 134 | Biphenyl-4-ylamine                                 | 92-67-1     | 202-177-1 | mg/kg | 50  | CMR      |
| 135 | o-aminoazotoluene                                  | 97-56-3     | 202-591-2 | mg/kg | 50  | CMR      |
| 136 | o-Toluidine                                        | 95-53-4     | 202-429-0 | mg/kg | 50  | CMR      |
| 137 | N-Methylacetamide                                  | 79-16-3     | 201-182-6 | mg/kg | 50  | CMR      |
| 138 | 1-bromopropane; n-propyl bromide                   | 106-94-5    | 203-445-0 | mg/kg | 50  | CMR      |
| 139 | Cadmium(Cd)                                        | 7440-43-9   | 231-152-8 | mg/kg | 50  | CMR      |
| 140 | Cadmium oxide*                                     | 1306-19-0   | 215-146-2 | mg/kg | 50  | CMR      |
| 141 | Ammonium pentadecafluorooctanoate (APFO)           | 3825-26-1   | 223-320-4 | mg/kg | 50  | PBT      |
| 142 | Pentadecafluorooctanoic acid (PFOA)                | 335-67-1    | 206-397-9 | mg/kg | 50  | PBT      |
| 143 | Dipentyl phthalate(DPP)                            | 131-18-0    | 205-017-9 | mg/kg | 50  | PBT      |



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| 144 | 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | ---                       | ---                  | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment                    |
| 145 | Cadmium sulphide*                                                                                                                                                                                                                                                                                                                   | 1306-23-6                 | 215-147-8            | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment                    |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                                                                                                                          | 1937-37-7                 | 217-710-3            | mg/kg | 50  | CMR                                                                                               |
| 147 | Dihexyl phthalate                                                                                                                                                                                                                                                                                                                   | 84-75-3                   | 201-559-5            | mg/kg | 50  | PBT                                                                                               |
| 148 | Imidazolidine-2-thione(2-imidazoline-2-thiol)                                                                                                                                                                                                                                                                                       | 96-45-7                   | 202-506-9            | mg/kg | 50  | PBT                                                                                               |
| 149 | Triethyl phosphate(TXP)                                                                                                                                                                                                                                                                                                             | 25155-23-1                | 246-677-8            | mg/kg | 50  | PBT                                                                                               |
| 150 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                                                                                                                          | 573-58-0                  | 209-358-4            | mg/kg | 50  | CMR                                                                                               |
| 151 | Lead di(acetate)*                                                                                                                                                                                                                                                                                                                   | 301-04-2                  | 206-104-4            | mg/kg | 50  | PBT                                                                                               |
| 152 | Sodium peroxometaborate*                                                                                                                                                                                                                                                                                                            | 7632-04-4                 | 231-556-4            | mg/kg | 50  | Toxic for reproduction                                                                            |
| 153 | Cadmium chloride*                                                                                                                                                                                                                                                                                                                   | 10108-64-2                | 233-296-7            | mg/kg | 50  | CMR<br>Equivalent level of concern having probable serious effects to human health (Article 57 f) |
| 154 | 1,2-Benzenedicarboxylic Acid, dihexyl ester, branched and linear(DIHP)                                                                                                                                                                                                                                                              | 68515-50-4                | 271-093-5            | mg/kg | 50  | Toxic for reproduction                                                                            |
| 155 | Sodium perborate; perboric acid, sodium salt*                                                                                                                                                                                                                                                                                       | ---                       | 239-172-9; 234-390-0 | mg/kg | 50  | Toxic for reproduction                                                                            |
| 156 | Cadmium fluoride*                                                                                                                                                                                                                                                                                                                   | 7790-79-6                 | 232-222-0            | mg/kg | 50  | CMR, Equivalent level of concern having probable serious effects to human health (Article 57 f)   |
| 157 | Cadmium sulphate*                                                                                                                                                                                                                                                                                                                   | 10124-36-4;<br>31119-53-6 | 233-331-6            | mg/kg | 50  | CMR, Equivalent level of concern having probable serious effects to human health (Article 57 f)   |

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| 158 | 2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                         | 3846-71-7                             | 223-346-6           | mg/kg | 50  | PBT (Article 57 d); vPvB (Article 57 e)                  |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol ( UV-328 )                                                                                                                                                                                                    | 25973-55-1                            | 247-384-8           | mg/kg | 50  | PBT (Article 57 d);vPvB (Article 57 e)                   |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE)                                                                                                                                                                         | 15571-58-1                            | 239-622-4           | mg/kg | 50  | Toxic for reproduction (Article 57 c)                    |
| 161 | reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4- [[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | ---                                   | ---                 | mg/kg | 50  | Toxic for reproduction (Article 57 c)                    |
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate(EC No. 201-559-5)                                                                                | 68515-51-5;<br>68648-93-1             | 271-094-0;272-013-1 | mg/kg | 50  | Toxic for reproduction (Article 57 c)                    |
| 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]                           | ---                                   | ---                 | mg/kg | 50  | vPvB(Article 57e)                                        |
| 164 | Nitrobenzene                                                                                                                                                                                                                                                  | 98-95-3                               | 202-716-0           | mg/kg | 50  | Toxic for reproduction (Article 57 c)                    |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                                                                | 3864-99-1                             | 223-383-8           | mg/kg | 50  | vPvB (Article 57 e)                                      |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)                                                                                                                                                                                           | 36437-37-3                            | 253-037-1           | mg/kg | 50  | vPvB (Article 57 e)                                      |
| 167 | 1,3-Propane sultone                                                                                                                                                                                                                                           | 1120-71-4                             | 214-317-9           | mg/kg | 50  | Carcinogenic(Article 57 a)                               |
| 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts                                                                                                                                                                                                   | 375-95-1;<br>21049-39-8;<br>4149-60-4 | 206-801-3           | mg/kg | 50  | Toxic for reproduction (Article 57 c) PBT (Article 57 d) |

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| 169 | Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                                                                                                               | 50-32-8                              | 200-028-5             | mg/kg | 50  | Carcinogenic (Article 57 a)<br>Mutagenic (Article 57 b) Toxic for reproduction (Article 57 c) PBT (Article 57 d) vPvB (Article 57 e)                               |
| 170 | p-(1,1-dimethylpropyl)phenol (PTAP)                                                                                                                                                                                                                                                               | 80-46-6                              | 201-280-9             | mg/kg | 50  | Equivalent level of concern having probable serious effects to environment (Article 57 f)                                                                          |
| 171 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                                                                                                              | 335-76-2;<br>3830-45-3;<br>3108-42-7 | 206-400-3;-221-470-5; | mg/kg | 50  | Toxic for reproduction (Article 57c) PBT (Article 57d)                                                                                                             |
| 172 | 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | ---                                  | ---                   | mg/kg | 50  | Endocrine disrupting properties (Article 57(f) - environment)                                                                                                      |
| 173 | 4,4' -isopropylidenediphenol (bisphenol A; BPA)                                                                                                                                                                                                                                                   | 80-05-7                              | 201-245-8             | mg/kg | 50  | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57 (f) - human health) |
| 174 | Perfluorohexane-1-sulphonic acid and its salts(PFHxS)                                                                                                                                                                                                                                             | ---                                  | ---                   | mg/kg | 50  | vPvB (Article 57e)                                                                                                                                                 |
| 175 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)                                                                                                                                                                             | ---                                  | ---                   | mg/kg | 50  | Endocrine disrupting properties (Article 57(f) – environment)                                                                                                      |
| 176 | Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-7,15-diene ( "Dechlorane Plus"™) [covering any of its individual isomers or any combination thereof]                                                                                                                                    | ---                                  | ---                   | mg/kg | 50  | vPvB (Article 57 e)                                                                                                                                                |
| 177 | Chrysene(CHR)                                                                                                                                                                                                                                                                                     | 218-01-9, 1719-03-5                  | 205-923-4             | mg/kg | 50  | Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e)                                                                                                 |
| 178 | Cadmium nitrate*                                                                                                                                                                                                                                                                                  | 10022-68-1;<br>10325-94-7            | 233-710-6             | mg/kg | 50  | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)                        |

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| No. | Item                                                                             | CAS No.               | EC No.    | Unit  | MDL | Category                                                                                                                                             |
|-----|----------------------------------------------------------------------------------|-----------------------|-----------|-------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 179 | Cadmium hydroxide*                                                               | 21041-95-2            | 244-168-5 | mg/kg | 50  | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b) Specific<br>target organ toxicity after<br>repeated exposure (Article 57(f) -<br>human health) |
| 180 | Cadmium carbonate*                                                               | 513-78-0              | 208-168-9 | mg/kg | 50  | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b) Specific<br>target organ toxicity after<br>repeated exposure (Article 57(f) -<br>human health) |
| 181 | Benz[a]anthracene                                                                | 56-55-3;<br>1718-53-2 | 200-280-6 | mg/kg | 50  | Carcinogenic (Article 57 a) PBT<br>(Article 57 d) vPvB (Article 57 e)                                                                                |
| 182 | Terphenyl, hydrogenated                                                          | 61788-32-7            | 262-967-7 | mg/kg | 50  | vPvB (Article 57 e)                                                                                                                                  |
| 183 | Octamethylcyclotetrasiloxane<br>(D4)                                             | 556-67-2              | 209-136-7 | mg/kg | 50  | PBT (Article 57 d) vPvB (Article 57<br>e)                                                                                                            |
| 184 | Lead(Pb)                                                                         | 7439-92-1             | 231-100-4 | mg/kg | 50  | Toxic for reproduction (Article 57<br>c)                                                                                                             |
| 185 | Ethylenediamine(EDA)                                                             | 107-15-3              | 203-468-6 | mg/kg | 50  | Respiratory sensitising properties<br>(Article 57 (f)-human health)                                                                                  |
| 186 | Dodecamethylcyclohexasiloxan<br>e(D6)                                            | 540-97-6              | 208-762-8 | mg/kg | 50  | PBT (Article 57 d);vPvB (Article 57<br>e)                                                                                                            |
| 187 | Disodium octaborate                                                              | 12008-41-2            | 234-541-0 | mg/kg | 50  | Toxic for reproduction (Article<br>57c)                                                                                                              |
| 188 | Dicyclohexyl Phthalate(DCHP)                                                     | 84-61-7               | 201-545-9 | mg/kg | 50  | Toxic for reproduction (Article 57<br>c) Endocrine disrupting<br>properties (Article 57(f)-human<br>health)                                          |
| 189 | Decamethylcyclopentasiloxane<br>(D5)                                             | 541-02-6              | 208-764-9 | mg/kg | 50  | PBT (Article 57 d) vPvB (Article 57<br>e)                                                                                                            |
| 190 | Benzo[g,h,i]perylene (BPE)                                                       | 191-24-2              | 205-883-8 | mg/kg | 50  | PBT (Article 57 d) vPvB (Article 57<br>e)                                                                                                            |
| 191 | Benzene-1,2,4-tricarboxylic<br>acid 1,2-anhydride(trimellitic<br>anhydride; TMA) | 552-30-7              | 209-008-0 | mg/kg | 50  | Respiratory sensitising properties<br>(Article 57 (f)-human health)                                                                                  |
| 192 | 2,2-bis(4'-hydroxyphenyl)-4-<br>methylpentane                                    | 6807-17-6             | 401-720-1 | mg/kg | 50  | Toxic for reproduction (Article 57<br>c)                                                                                                             |
| 193 | Benzo[k]fluoranthene (BkFA)                                                      | 207-08-9              | 205-916-6 | mg/kg | 50  | Carcinogenic(Article 57 a)PBT<br>(Article 57 d)vPvB(Article 57 e)                                                                                    |
| 194 | Fluoranthene (FLT)                                                               | 206-44-0              | 205-912-4 | mg/kg | 50  | PBT (Article 57 d) vPvB (Article 57<br>e)                                                                                                            |
| 195 | Phenanthrene (PHE)                                                               | 85-01-8               | 201-581-5 | mg/kg | 50  | vPvB (Article 57 e)                                                                                                                                  |
| 196 | Pyrene (PYR)                                                                     | 129-00-0              | 204-927-3 | mg/kg | 50  | PBT (Article 57 d) vPvB (Article 57<br>e)                                                                                                            |

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| No. | Item                                                                                                                                                         | CAS No.     | EC No.    | Unit  | MDL | Category                                                                                                                                                                                                                |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one                                                                                                | 15087-24-8  | 239-139-9 | mg/kg | 50  | Endocrine disrupting properties (Article 57 (f)-environment)                                                                                                                                                            |
| 198 | 2-Methoxyethyl Acetate                                                                                                                                       | 110-49-6    | 203-772-9 | mg/kg | 50  | Toxic for reproduction (Article 57 (c))                                                                                                                                                                                 |
| 199 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)                                 | ---         | ---       | mg/kg | 50  | Endocrine disrupting properties (Article 57(f) – environment)                                                                                                                                                           |
| 200 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | ---         | ---       | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health) |
| 201 | 4-tert-Butylphenol(BP)                                                                                                                                       | 98-54-4     | 202-679-0 | mg/kg | 50  | Endocrine disrupting properties (Article 57(f) – environment)                                                                                                                                                           |
| 202 | Diisohexyl phthalate(DIHxP)                                                                                                                                  | 71850-09-4  | 276-090-2 | mg/kg | 50  | Toxic for reproduction (Article 57c)                                                                                                                                                                                    |
| 203 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                          | 119313-12-1 | 404-360-3 | mg/kg | 50  | Toxic for reproduction (Article 57c)                                                                                                                                                                                    |
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                     | 71868-10-5  | 400-600-6 | mg/kg | 50  | Toxic for reproduction (Article 57c)                                                                                                                                                                                    |
| 205 | Perfluorobutane sulfonic acid (PFBS) and its salts(PFBS)                                                                                                     | --          | --        | mg/kg | 50  | Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health) |
| 206 | 1-Vinylimidazole                                                                                                                                             | 1072-63-5   | 214-012-0 | mg/kg | 50  | Toxic for reproduction (Article 57 (c))                                                                                                                                                                                 |
| 207 | 2-Methylimidazole                                                                                                                                            | 693-98-1    | 211-765-7 | mg/kg | 50  | Toxic for reproduction (Article 57 (c))                                                                                                                                                                                 |
| 208 | Dibutylbis(pentane-2,4-dionato-O,O')tin                                                                                                                      | 22673-19-4  | 245-152-0 | mg/kg | 50  | Toxic for reproduction (Article 57 (c))                                                                                                                                                                                 |
| 209 | Butyl 4-hydroxybenzoate (Butylparaben)                                                                                                                       | 94-26-8     | 202-318-7 | mg/kg | 50  | Endocrine disrupting properties - human health (Article 57(f) – human health)                                                                                                                                           |
| 210 | Bis(2-(2-methoxyethoxy)ethyl) ether                                                                                                                          | 143-24-8    | 205-594-7 | mg/kg | 50  | Toxic for reproduction (Article 57 (c))                                                                                                                                                                                 |

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| No. | Item                                                                                                                                                                                                          | CAS No.                                | EC No.                        | Unit  | MDL | Category                                                                                                                                                                |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|-------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211 | Diocetyl tin dilaurate, stannane, dioctyl-, bis (cocoacyloxy) derivs., and any other stannane, dioctyl-, bis (fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | --                                     | --                            | mg/kg | 50  | Toxic for reproduction (Article 57(c))                                                                                                                                  |
| 212 | Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)                            | --                                     | --                            | mg/kg | 50  | Toxic for reproduction (Article 57c)<br>Endocrine disrupting properties (Article 57(f) - environment)<br>Endocrine disrupting properties (Article 57(f) - human health) |
| 213 | orthoboric acid, sodium salt                                                                                                                                                                                  | --                                     | --                            | mg/kg | 50  | Toxic for reproduction (Article 57c)                                                                                                                                    |
| 214 | Medium-chain chlorinated paraffins (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) (MCCP)                           | --                                     | --                            | mg/kg | 50  | PBT (Article 57d)<br>vPvB (Article 57e)                                                                                                                                 |
| 215 | Glutaral                                                                                                                                                                                                      | 111-30-8                               | 203-856-5                     | mg/kg | 50  | Respiratory sensitising properties (Article 57(f) - human health)                                                                                                       |
| 216 | 4,4'-(1-methylpropylidene) bisphenol                                                                                                                                                                          | 77-40-7                                | 201-025-1                     | mg/kg | 50  | Endocrine disrupting properties (Article 57(f) - environment)<br>Endocrine disrupting properties (Article 57(f) - human health)                                         |
| 217 | 2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers                                                                                                                                       | --                                     | --                            | mg/kg | 50  | Toxic for reproduction (Article 57c)                                                                                                                                    |
| 218 | 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)                                   | 3296-90-0/36483-57-5/1522-92-5/96-13-9 | 253-057-0/221-967-7/202-480-9 | mg/kg | 50  | Carcinogenic (Article 57a)                                                                                                                                              |

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| No. | Item                                                                                                                                                                               | CAS No.     | EC No.    | Unit  | MDL | Category                                                                                                                                                                                                                                                                   |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 219 | 1,4-dioxane                                                                                                                                                                        | 123-91-1    | 204-661-8 | mg/kg | 50  | Carcinogenic (Article 57a)<br>Equivalent level of concern<br>having probable serious effects<br>to human health (Article 57(f) -<br>human health)<br>Equivalent level of concern<br>having probable serious effects<br>to the environment (Article 57(f)<br>- environment) |
| 220 | 6,6'-di-tert-butyl-2,2'-<br>methylenedi-p-cresol(DBMC)                                                                                                                             | 119-47-1    | 204-327-1 | mg/kg | 50  | Toxic for reproduction(Article 57<br>c)                                                                                                                                                                                                                                    |
| 221 | tris(2-methoxyethoxy)<br>vinylsilane                                                                                                                                               | 1067-53-4   | 213-934-0 | mg/kg | 50  | Toxic for reproduction(Article 57<br>c)                                                                                                                                                                                                                                    |
| 222 | (±)-1,7,7-trimethyl-3-[(4-<br>methylphenyl)methylene]<br>bicyclo[2.2.1]heptan-2-one<br>covering any of the individual<br>isomers and/or combinations<br>thereof(4-MBC)             | --          | --        | mg/kg | 50  | Endocrine disrupting properties<br>(Article 57(f) - human health)                                                                                                                                                                                                          |
| 223 | S-(tricyclo[5.2.1.0 <sup>2,6</sup> ]deca-3-en<br>-8(or 9)-yl) O-(isopropyl or<br>isobutyl or 2-ethylhexyl) O-<br>(isopropyl or isobutyl or 2-<br>ethylhexyl)<br>phosphorodithioate | 255881-94-8 | 401-850-9 | mg/kg | 50  | PBT (Article 57 d)                                                                                                                                                                                                                                                         |
| 224 | N-(hydroxymethyl)acrylamide                                                                                                                                                        | 924-42-5    | 213-103-2 | mg/kg | 50  | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)                                                                                                                                                                                                                      |



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Note:

- Please refer to full list of tested SVHC.
- N.D.= Not Detected or less than MDL
- MDL = Method Detection Limit
- + = Composite testing.
- \* = Calculated concentration of Cobalt Dichloride( $\text{CoCl}_2$ ) is based on the identified heavy metal and anion result. Calculated concentration of Diarsenic Pentaoxide( $\text{As}_2\text{O}_5$ ), Diarsenic Trioxide( $\text{As}_2\text{O}_3$ ), Sodium Dichromate, Dihydrate, Lead Hydrogen Arsenate and Triethyl Arsenate, Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate, Sodium chromate, Potassium chromate, Ammonium dichromate, Potassium dichromate, Cobalt(II) sulfate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate, Chromium trioxide, Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid, strontium chromate, Calcium arsenate, Potassium hydroxyoctaoxodizincatedi-chromate, Lead dipicrate, Arsenic acid, Trilead diarsenate, Lead diazide, Lead azide, Lead styphnate, Dichromium tris(chromate), Diboron trioxide, Lead(II) bis(methanesulfonate), Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead(dibasic lead phthalate), Dioxobis(stearato) trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanamide, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow C.I., Silicic acid ( $\text{H}_2\text{Si}_2\text{O}_5$ ), barium salt(1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD)]; the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008], Silicic acid, lead salt, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium oxide, Cadmium sulphide, Lead di(acetate), Sodiumperoxometaborate, Cadmium chloride, Sodium perborate; perboric acid, sodium salt, Cadmium fluoride, Cadmium sulphate, Cadmium nitrate, Cadmium hydroxide, Cadmium carbonate are based on the identified heavy metal result. Identity of above metal substances present in the article has to be further confirmed.
- \*\* = Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT Result. The result is screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is required if the exact amount of TBTO has to be determined.
- \*\*\* = Calculated concentration of these coal-tar products is based on the identified polycyclic aromatic hydrocarbons  $\Sigma$ PAHs  $\Sigma$ 4% and heterocyclic compounds.
- \*\*\*\* = Calculated concentration of these Aluminosilicate and Zirconia Aluminosilicate is based on the identified aluminum and zirconium Result by ICP-AES.
- \*\*\*\*\* = The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration  $\geq$  0.1% (weight / weight). - Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex of XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disrupters).
- The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the list published by ECHA: <https://echa.europa.eu/candidate-list-table> This list is under evaluation by ECHA and may subject to change in the future.
- If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

\*\*\*\*\*



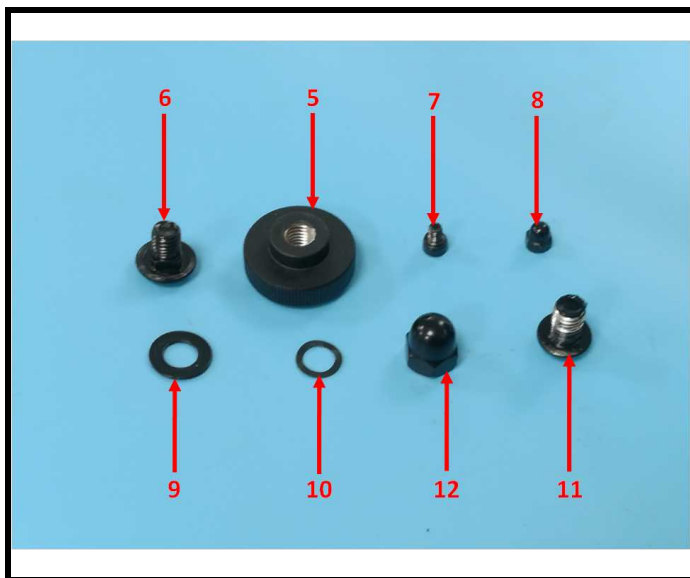
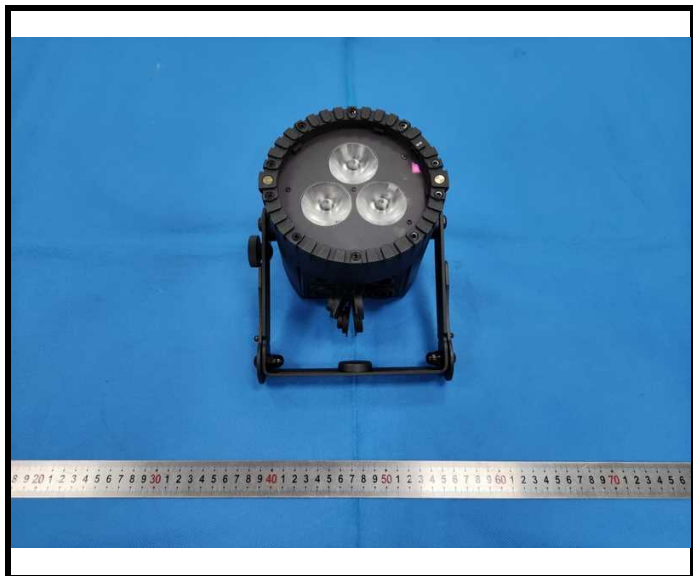
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Photograph of Sample

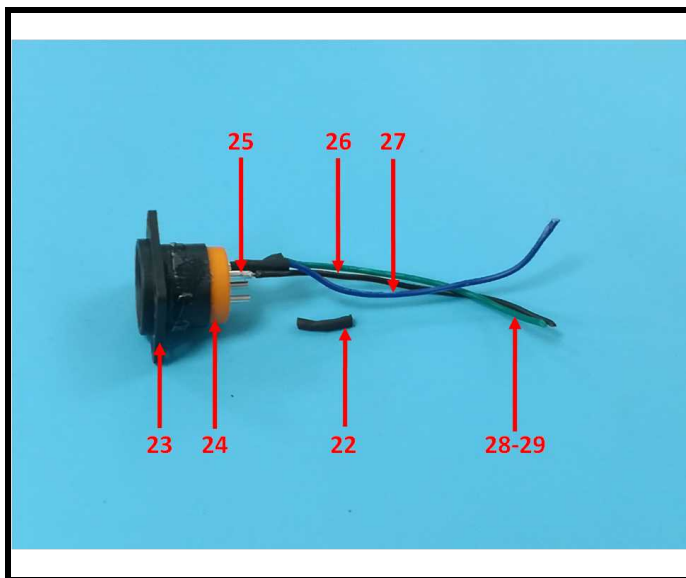
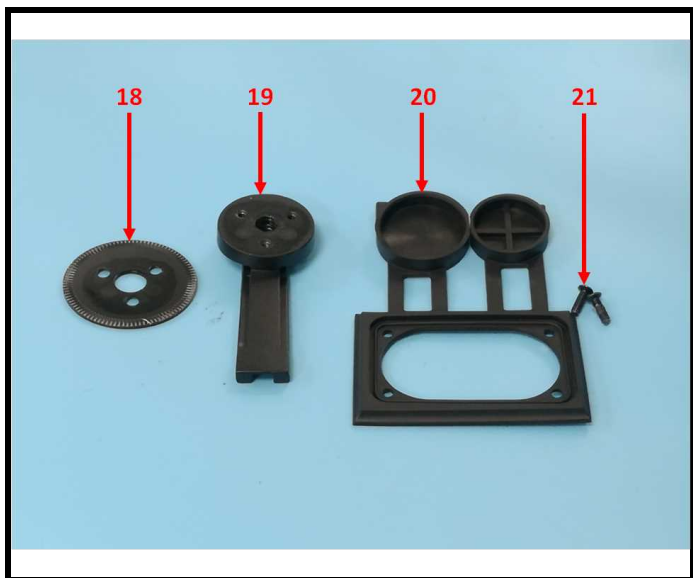


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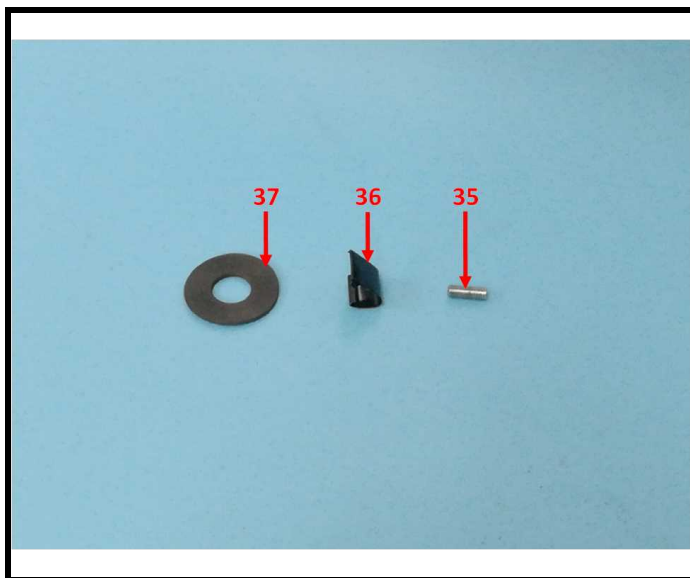
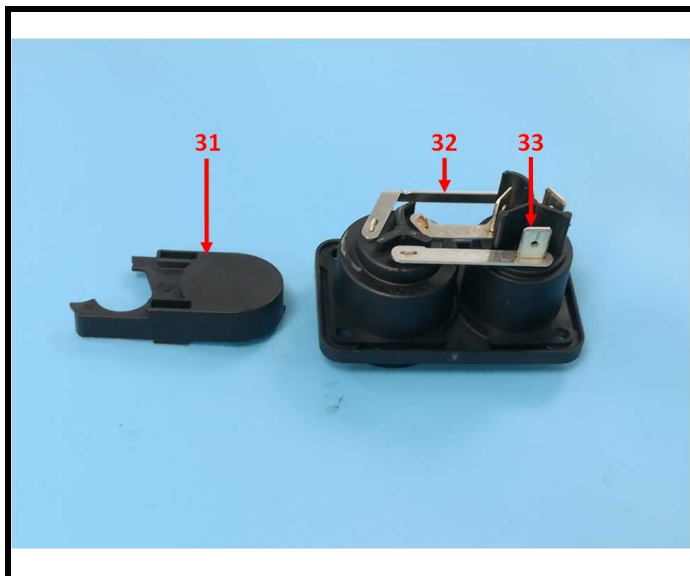


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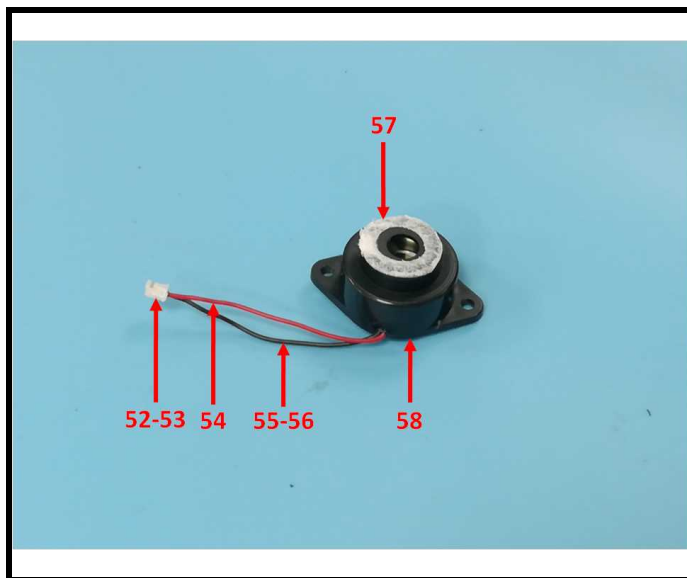
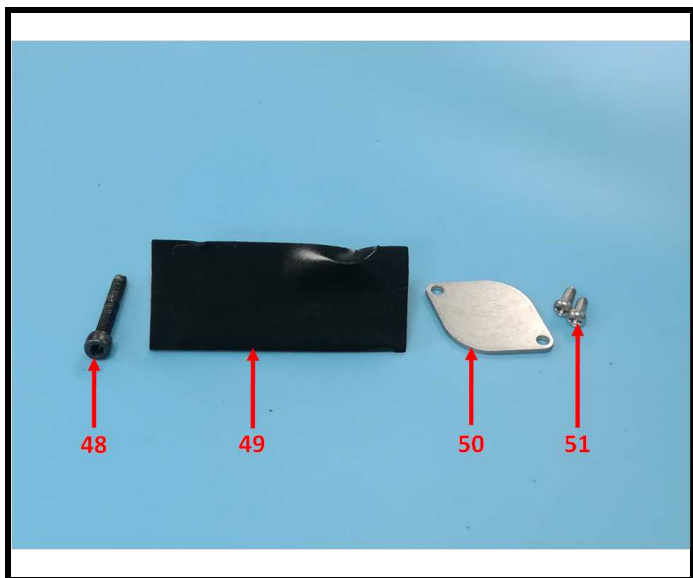
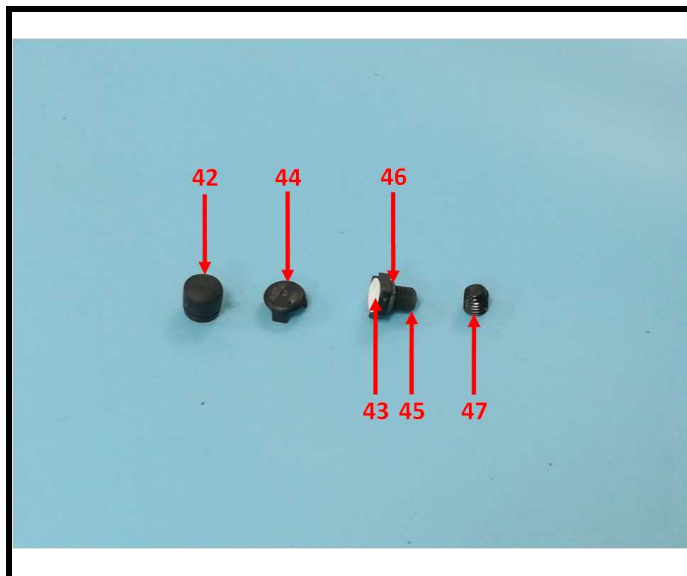
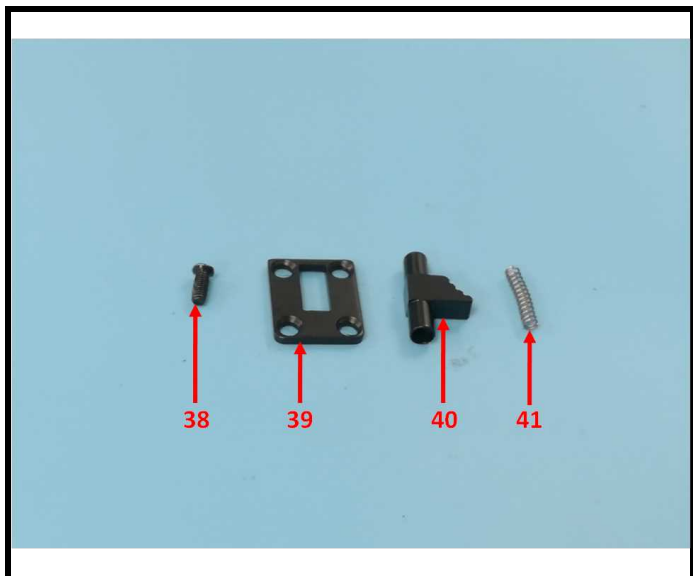


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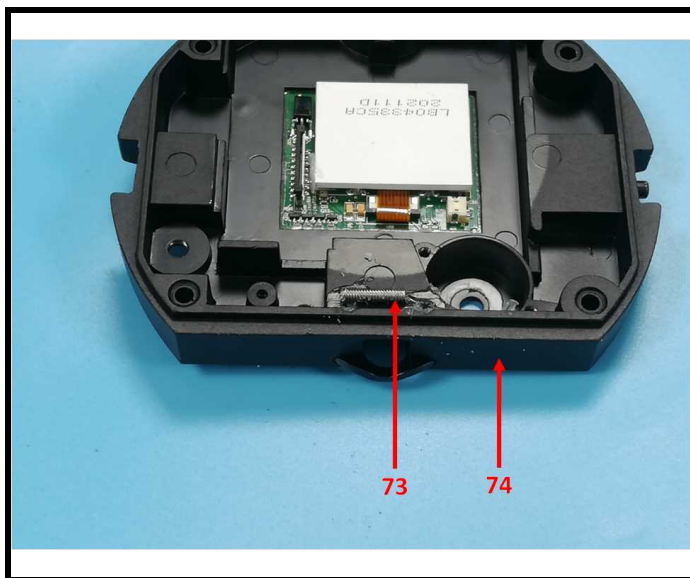
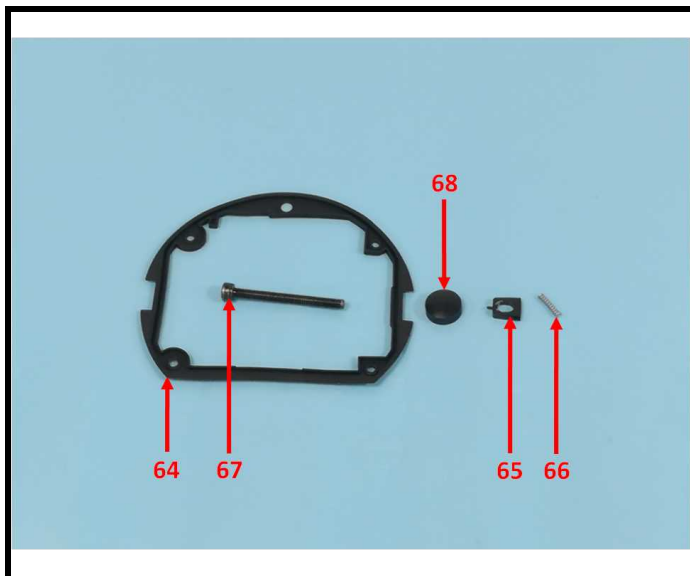
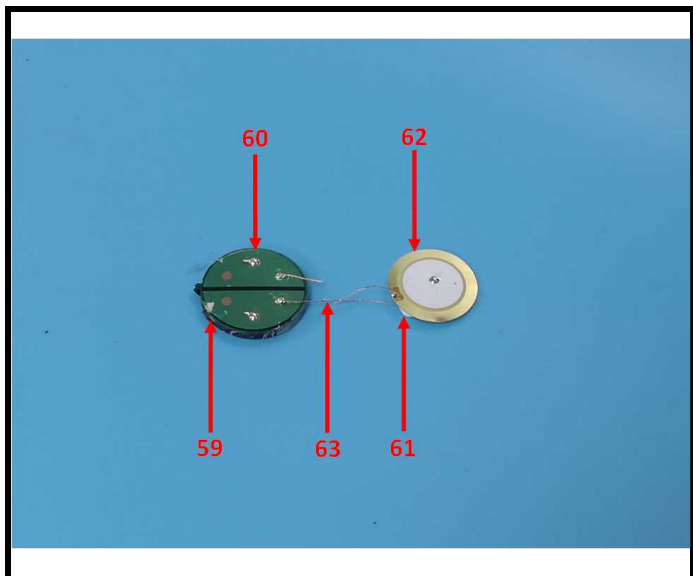


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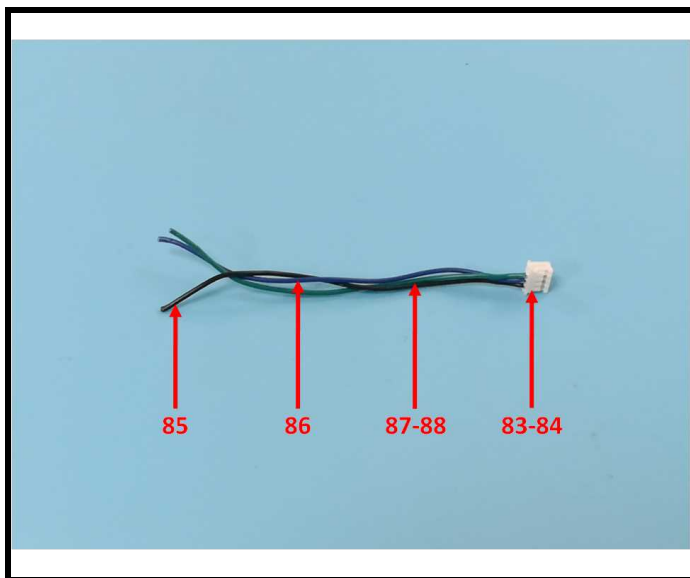
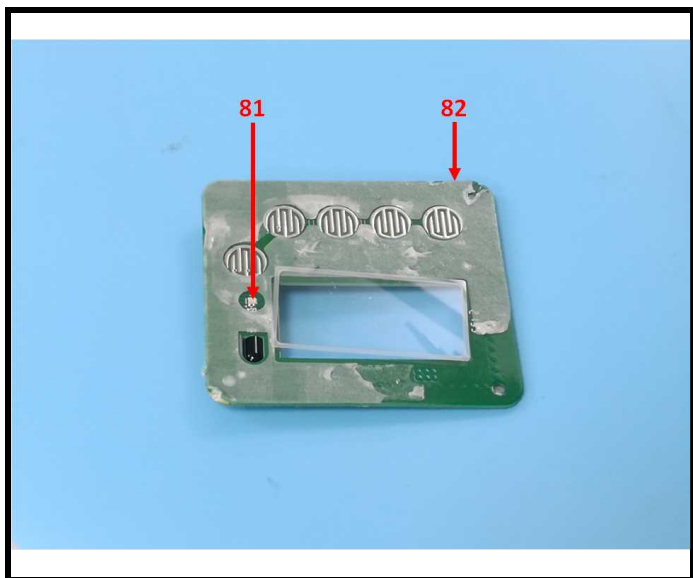
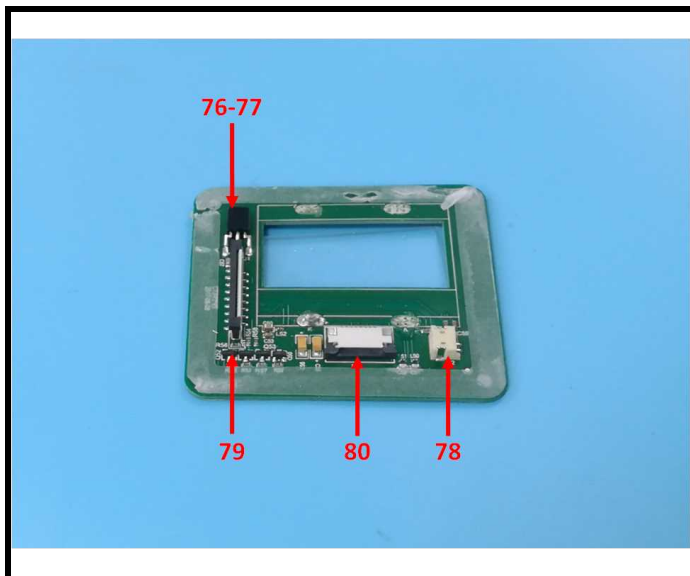
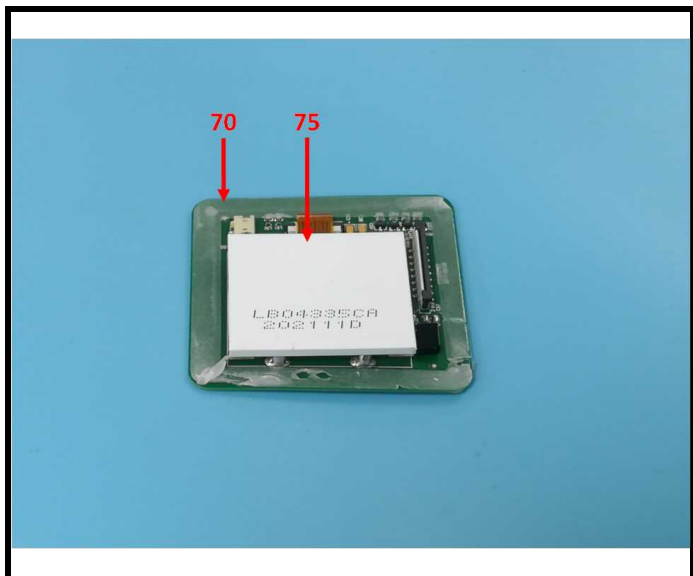


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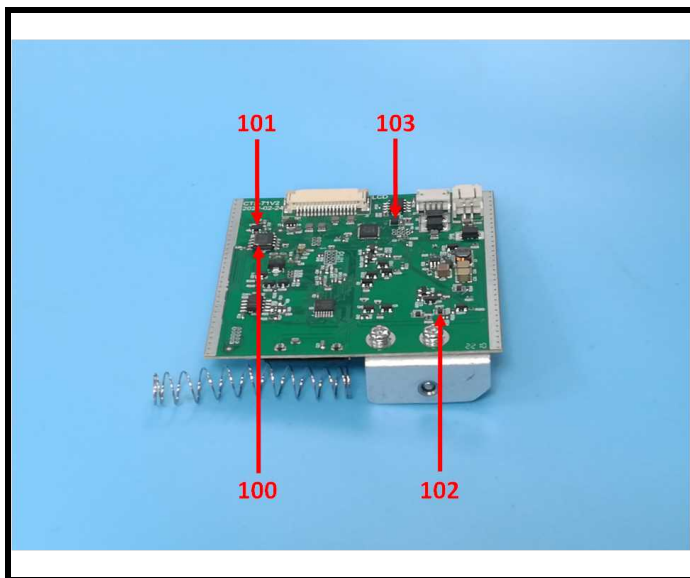
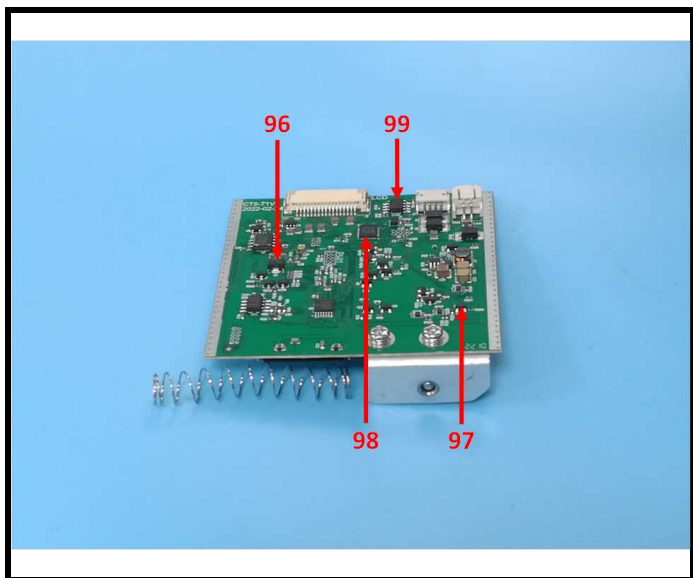
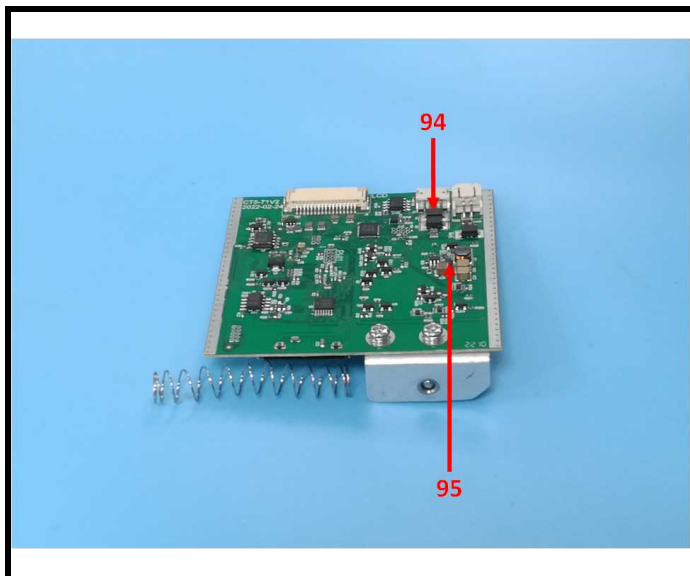
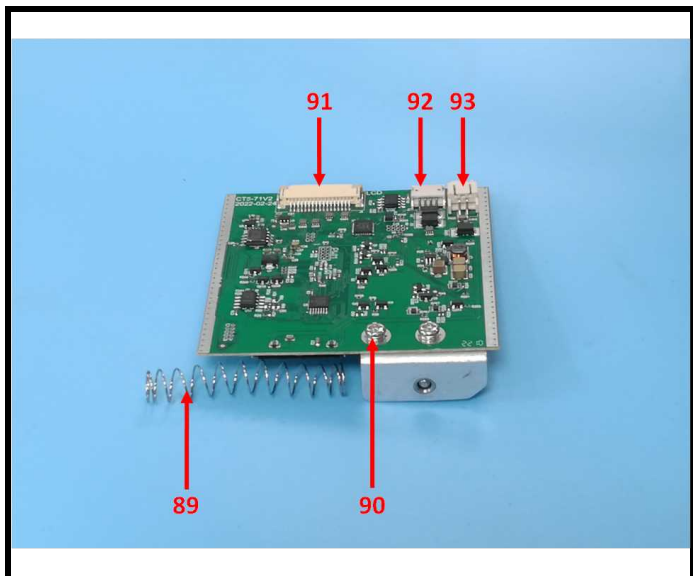


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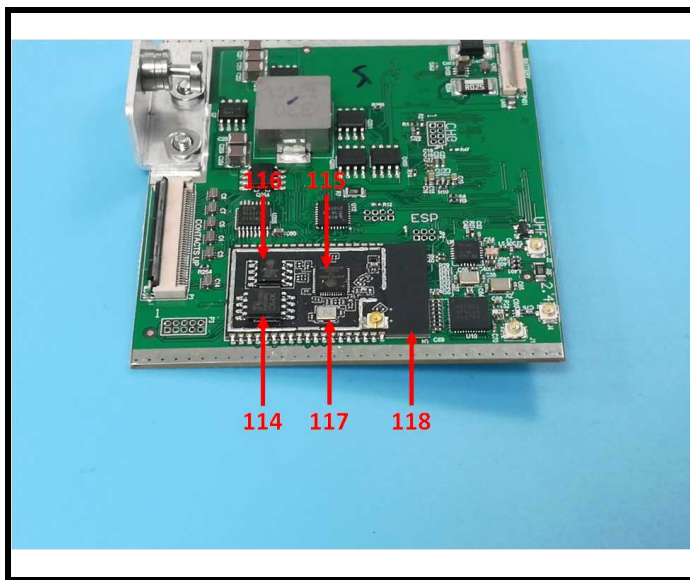
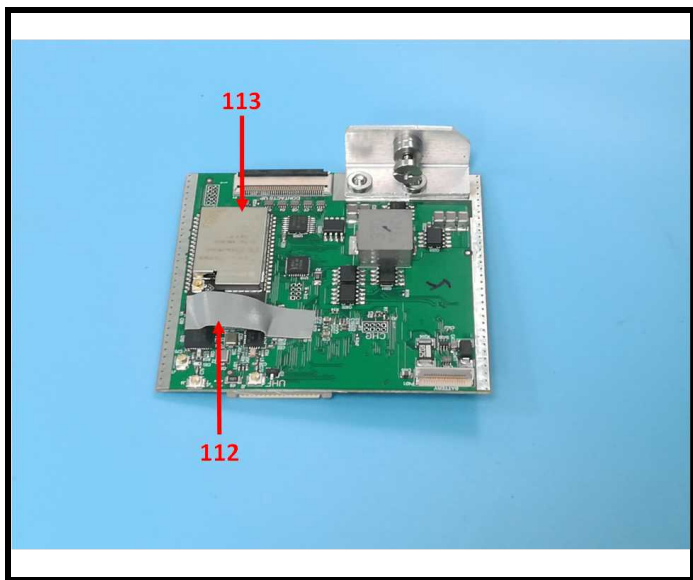
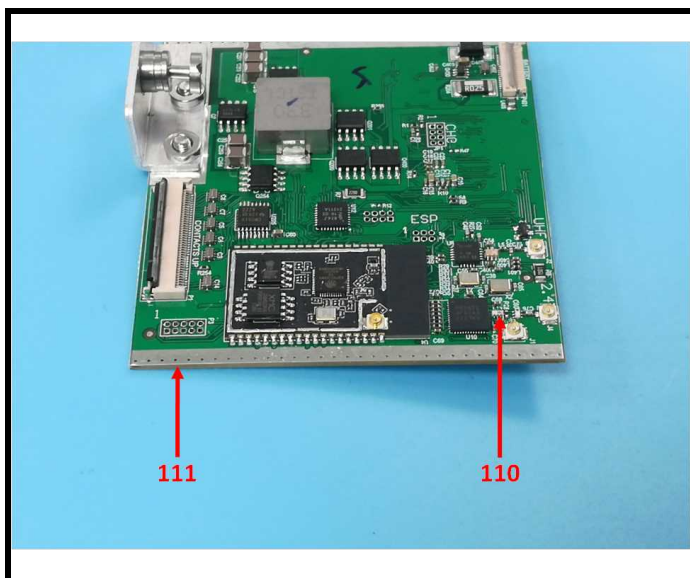
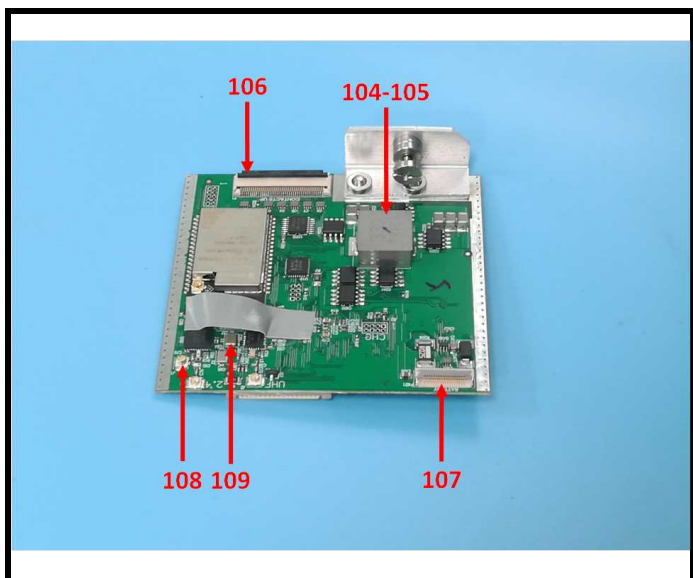


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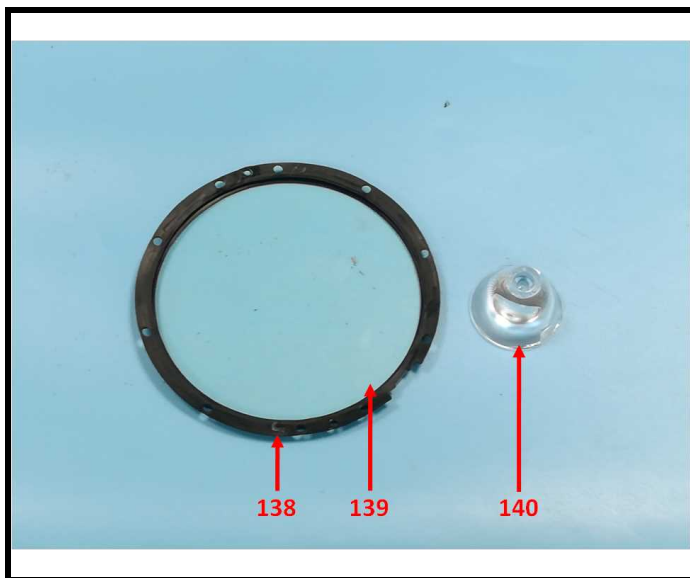
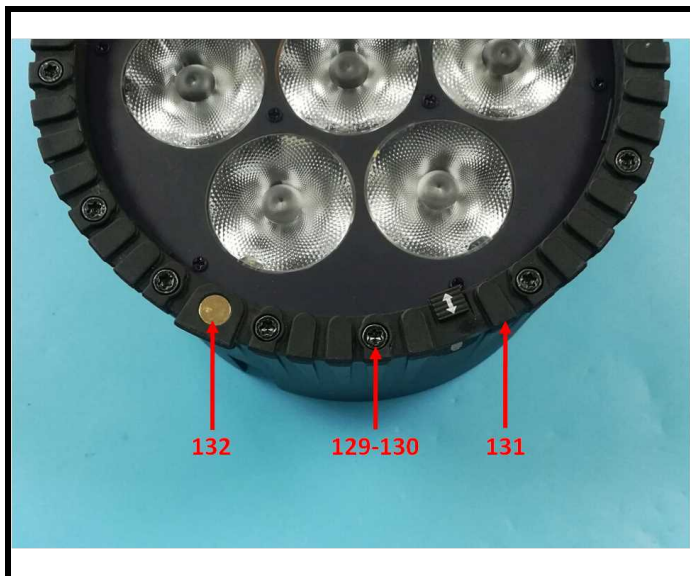
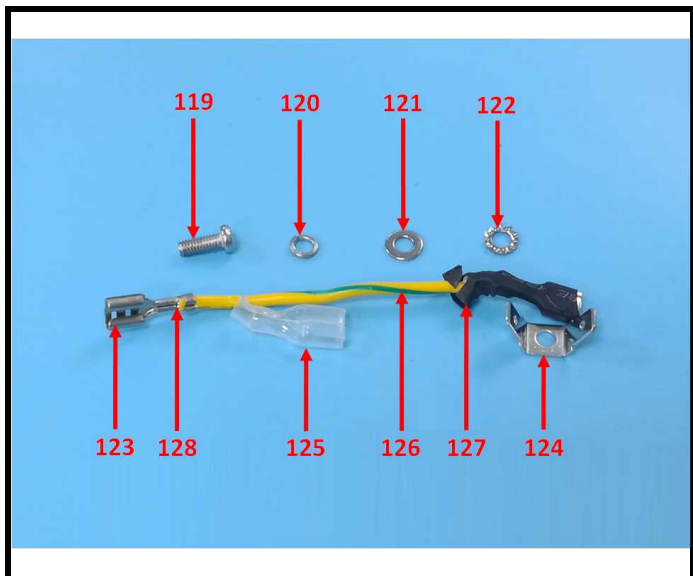


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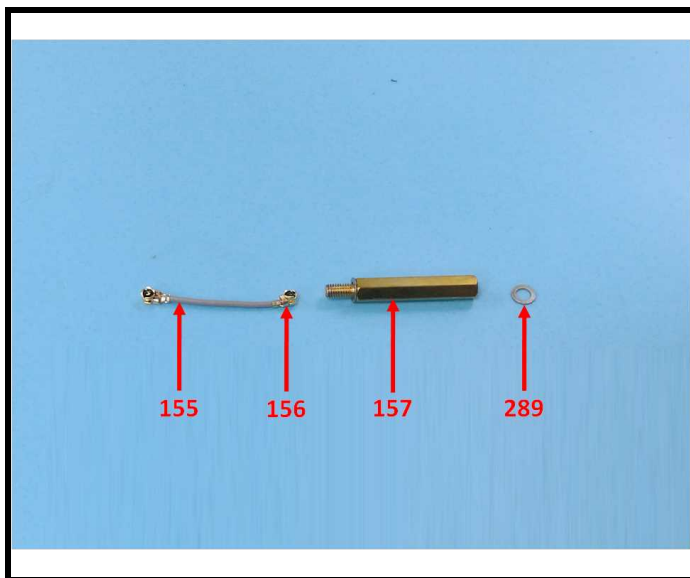
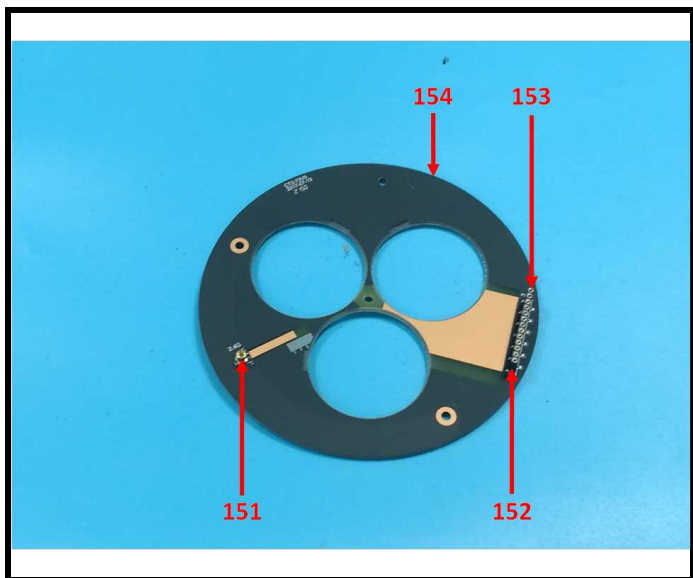
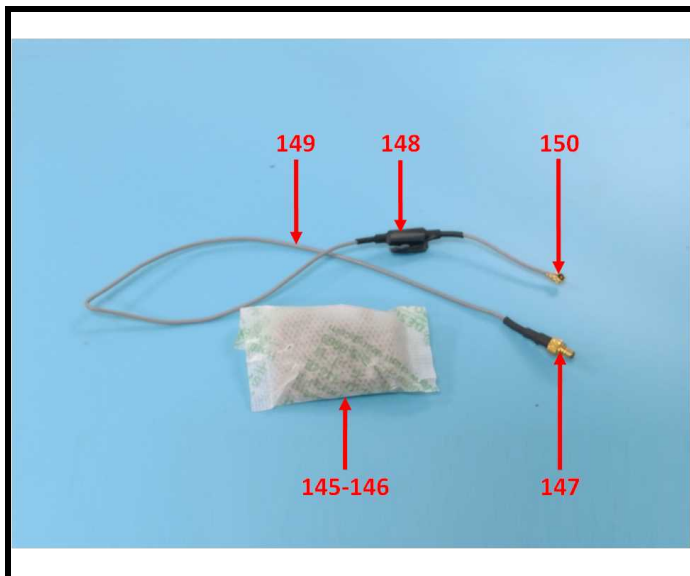
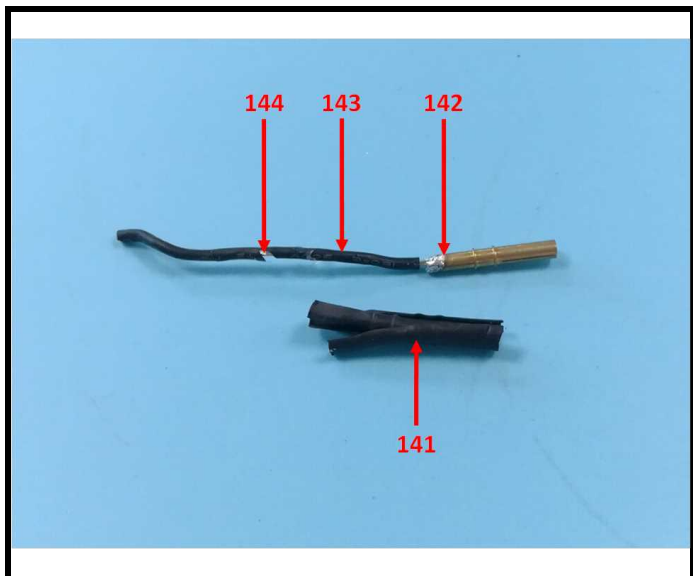


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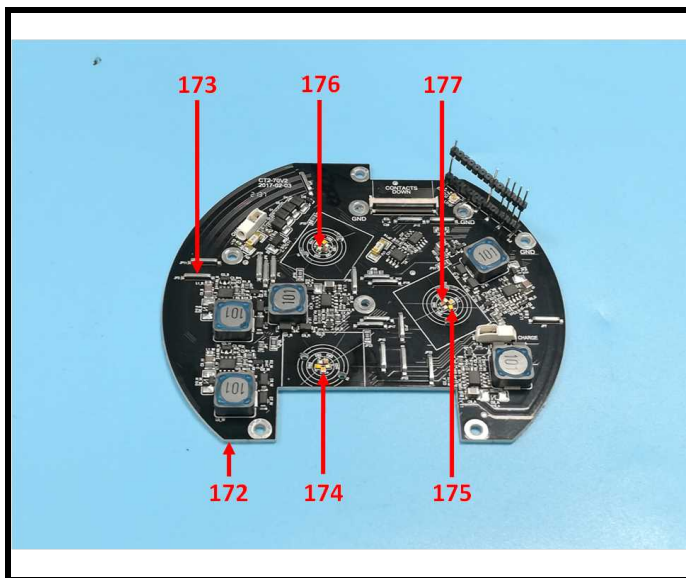
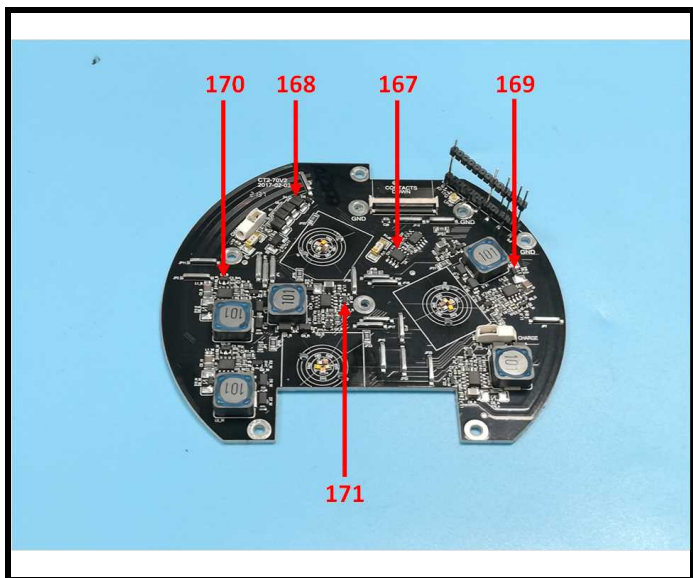
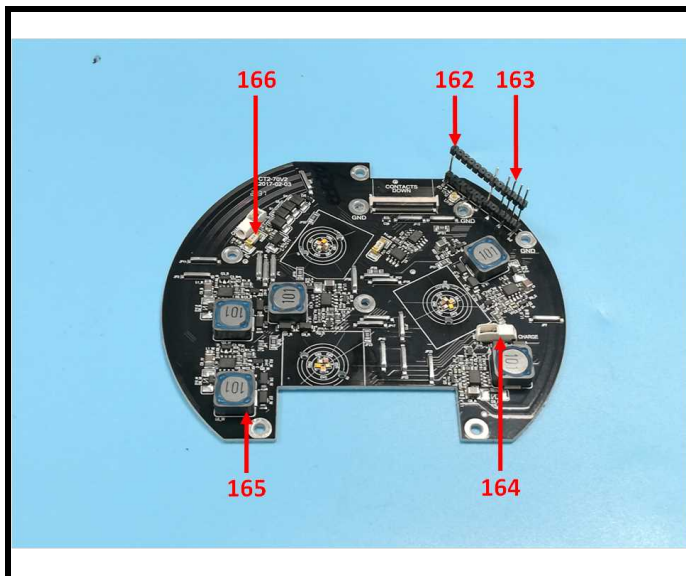
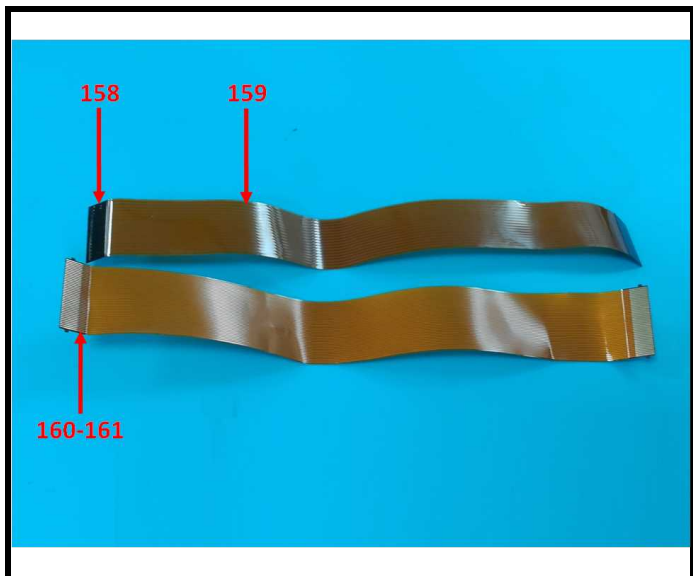


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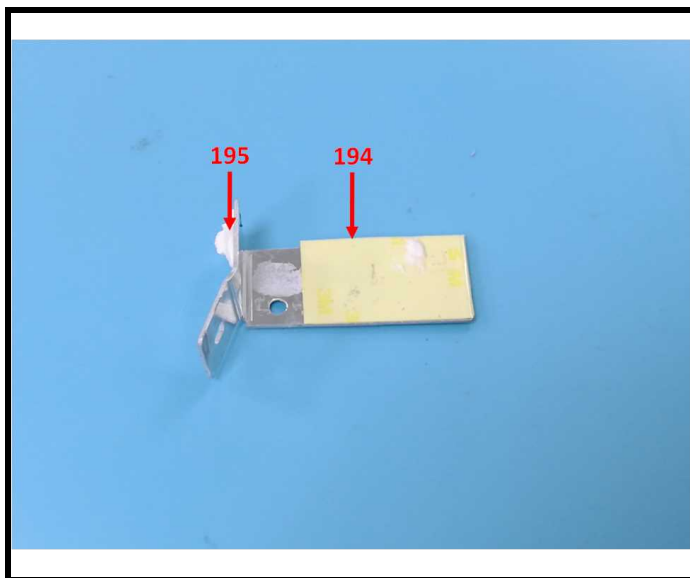
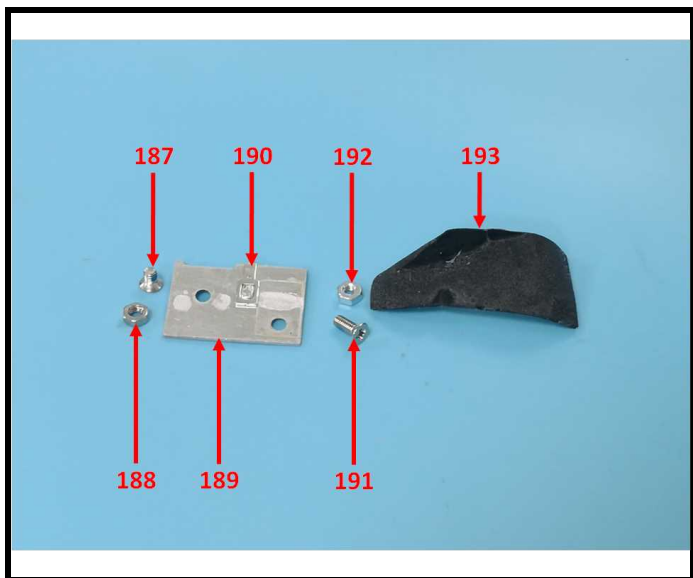
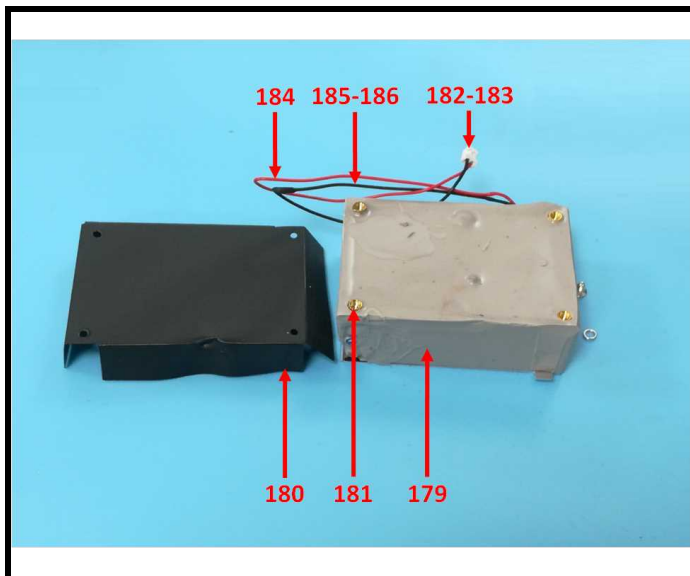
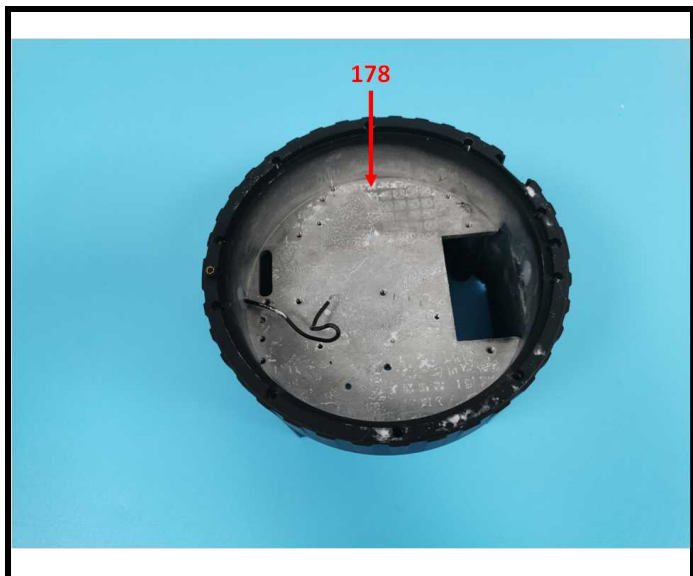


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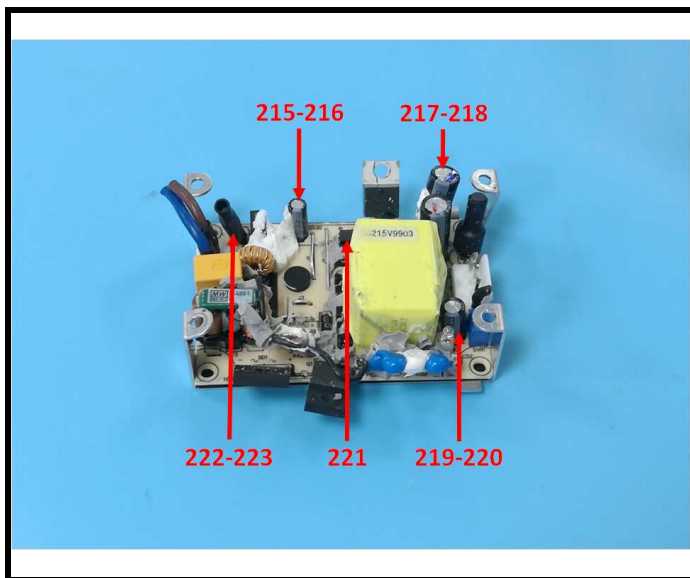
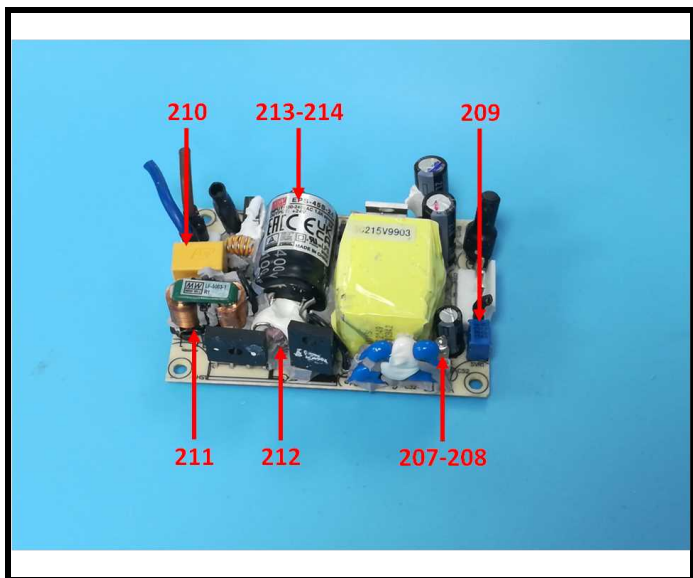
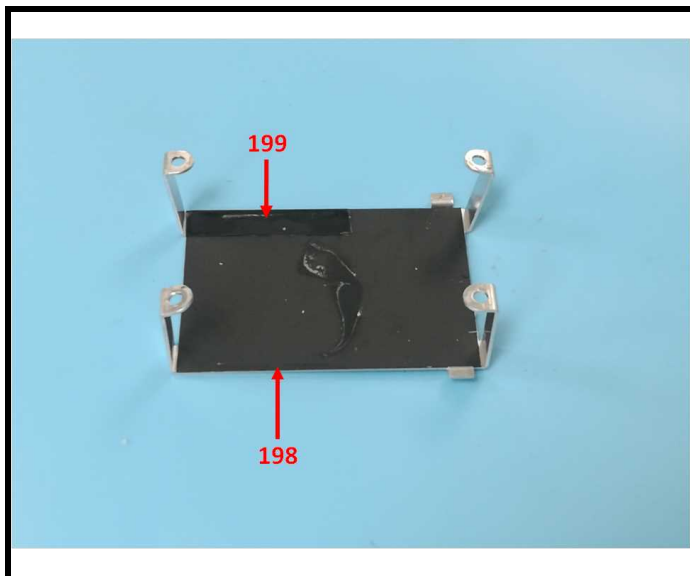
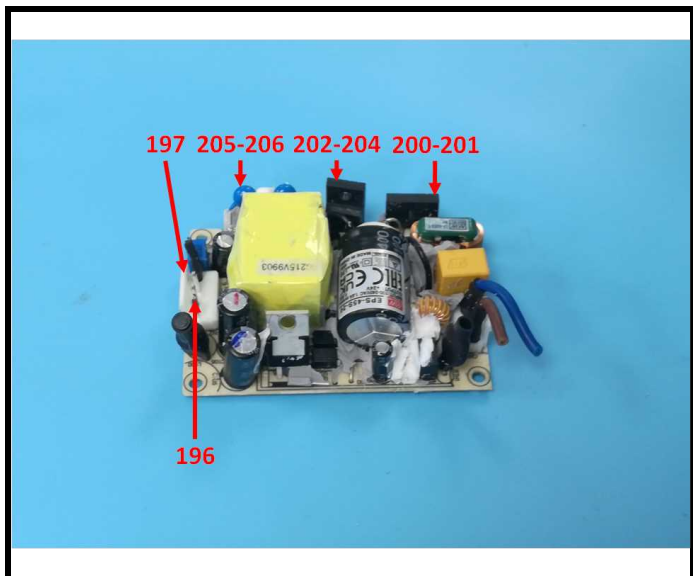


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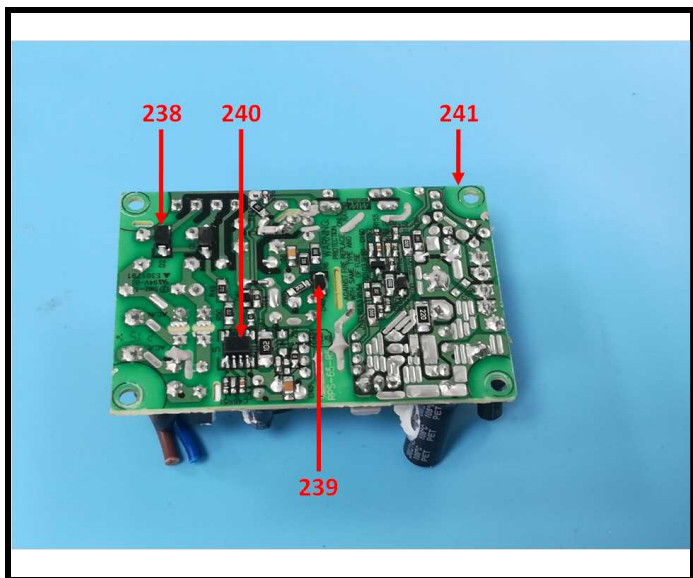
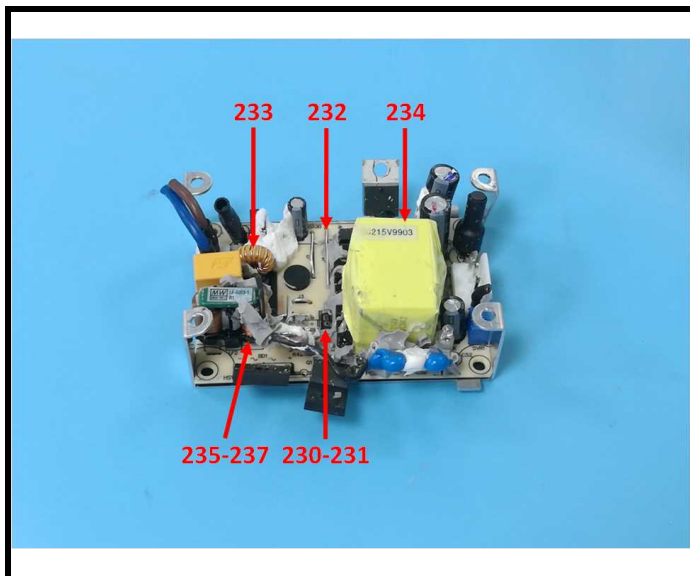
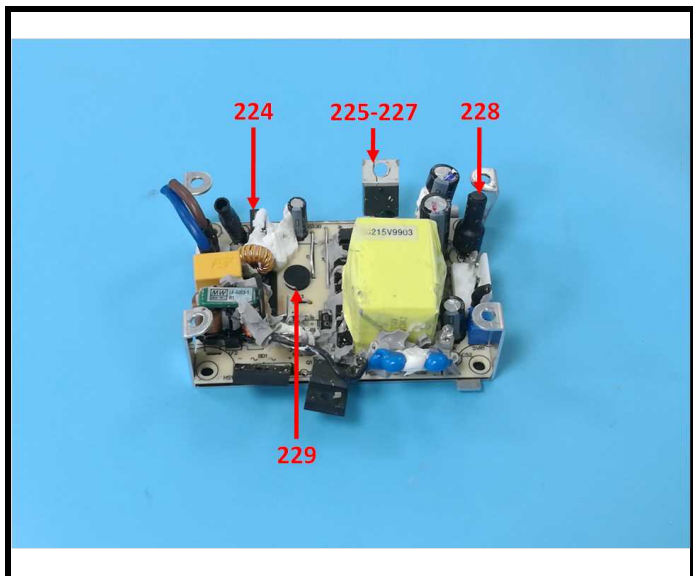


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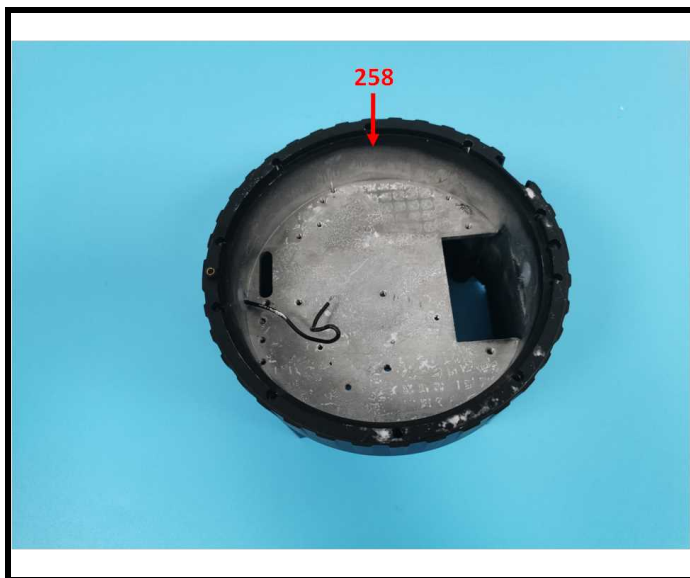
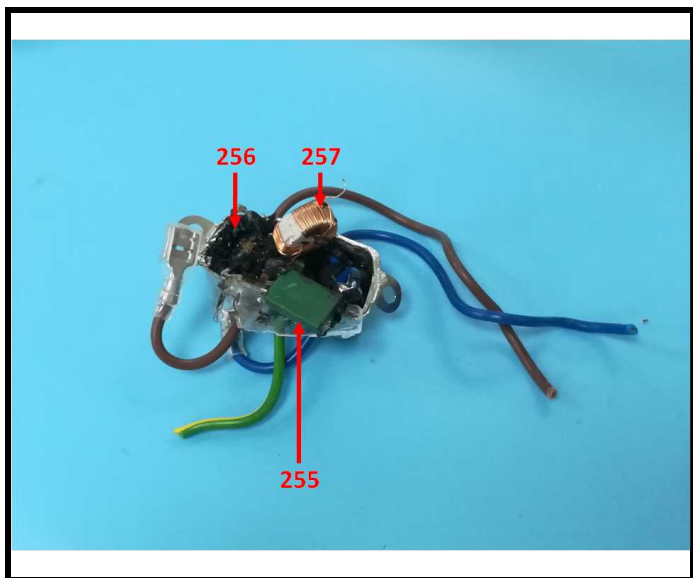
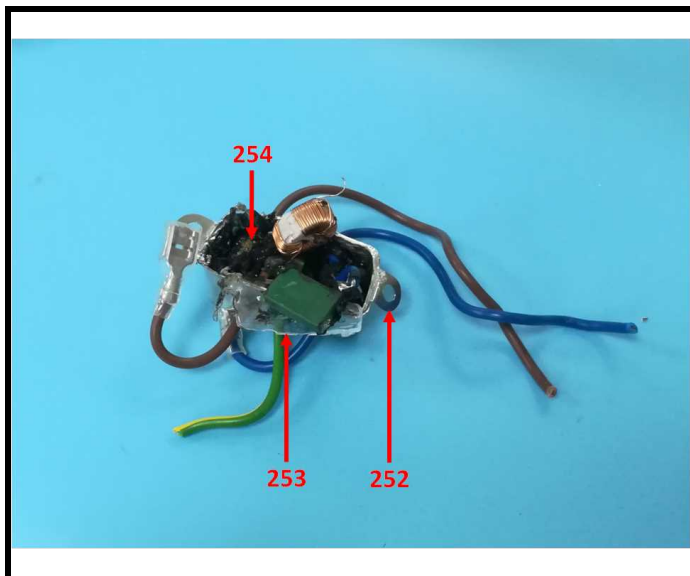
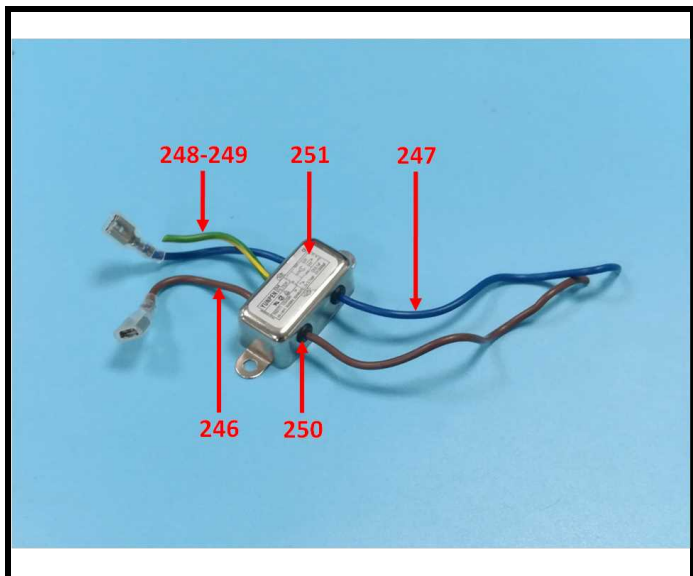


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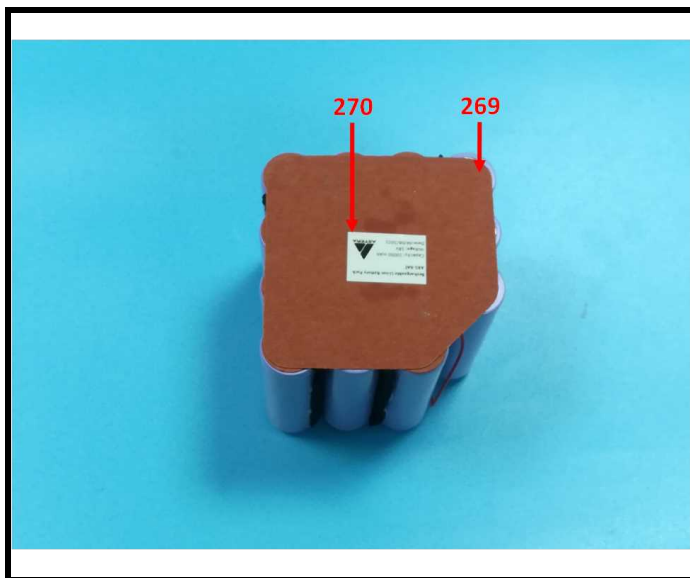
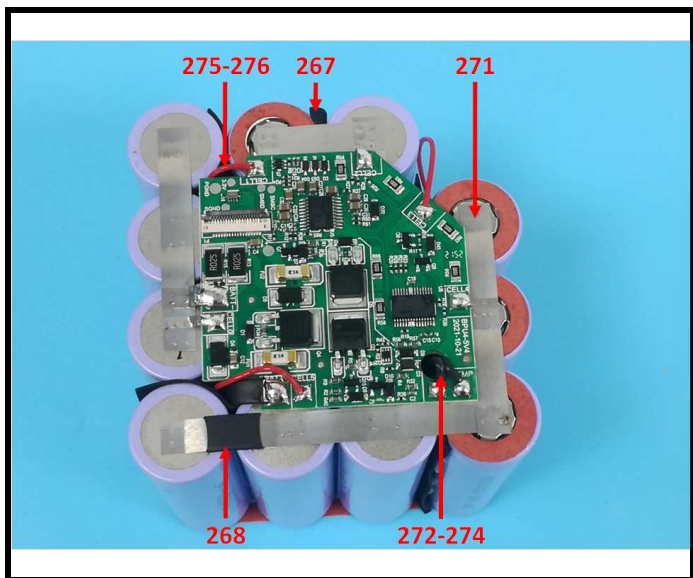
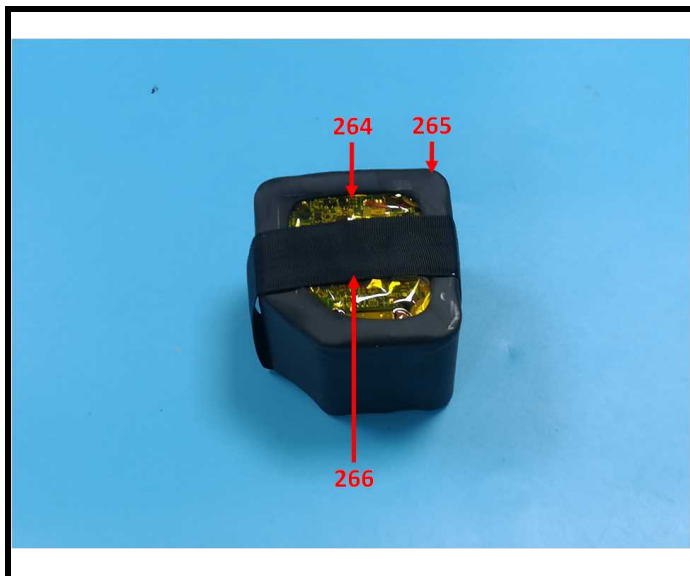
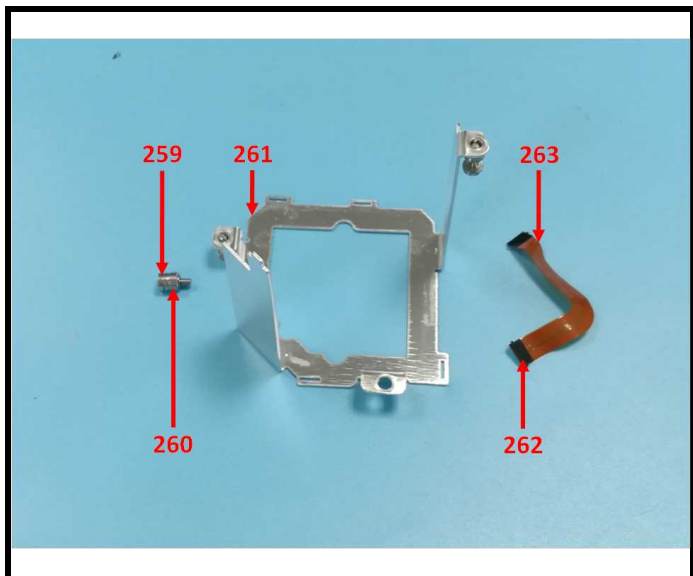


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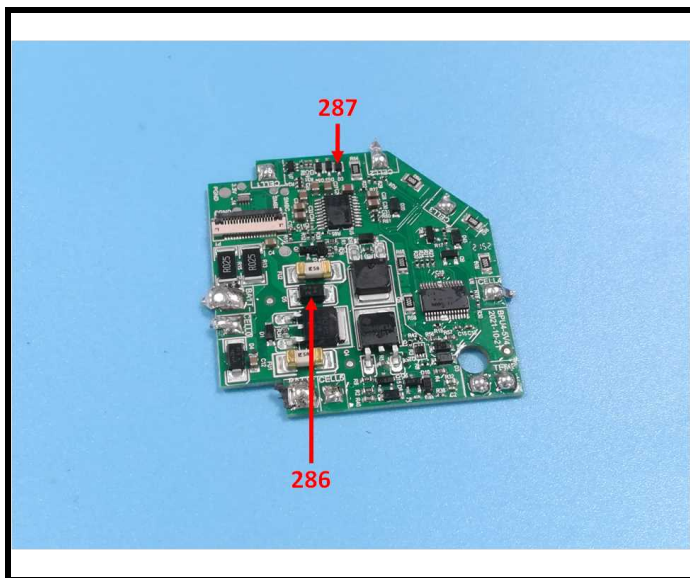
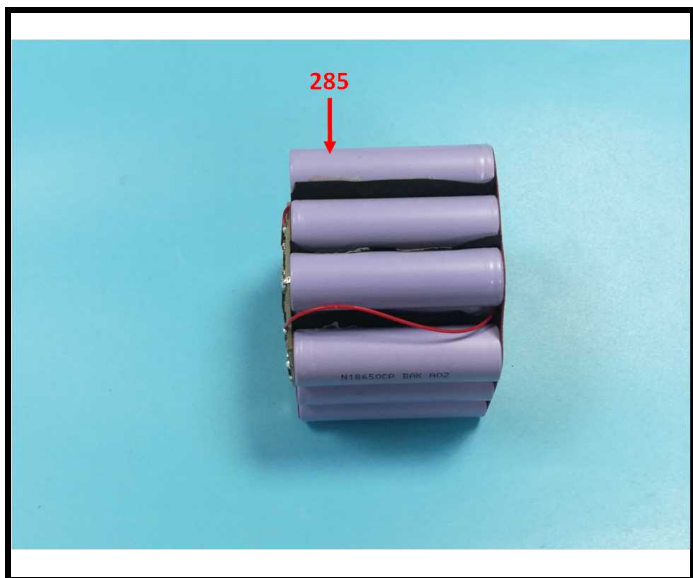
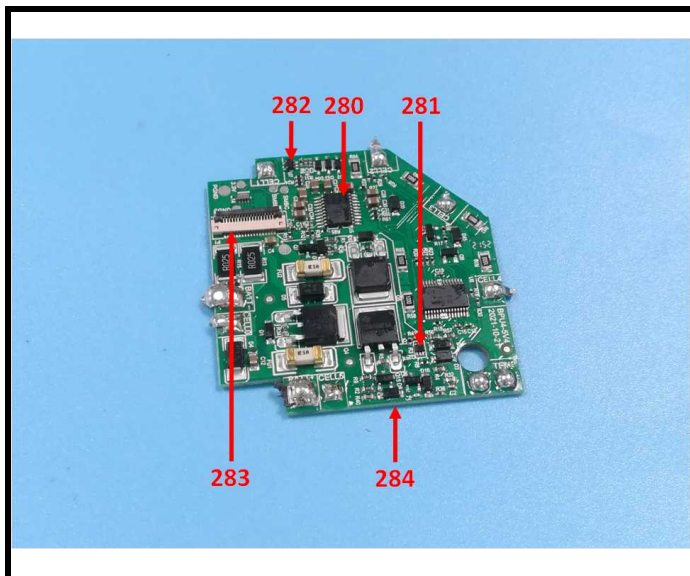
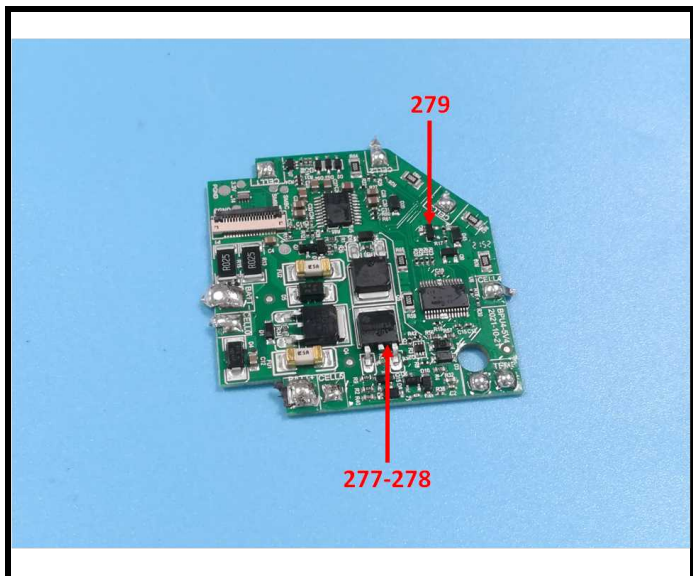


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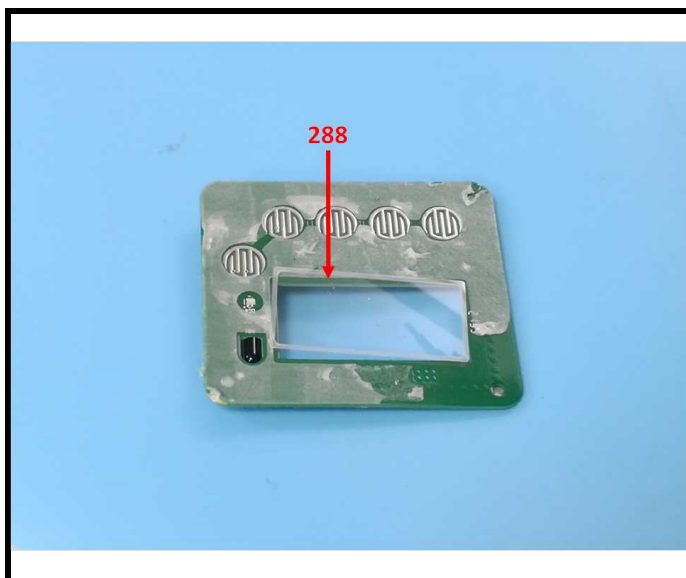


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BACL authenticate the photo on original report only

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Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

\*\*\* End of Report \*\*\*