

TEST REPORT

Report No.: SZ4211104-56589E

Date: January 27, 2022

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

Report on the submitted samples said to be:

Sample Description:	PowerPAR
Style/Item No.:	AX9
Sample Receiving Date:	November 04,2021
Testing Period:	November 04,2021 - January 20,2022
Result:	Please refer to next page(s).

Signed for and on behalf of

BACL



Checked by: _____
Candy Lin



Approved by: _____
Lance Lee

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Summary of Test Result:

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CONCLUSION

A. Two hundred and nineteen (219) 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 219 SVHC (*=excluded lead (CAS No.:7439-92-1) on Tested parts 25, 31, 61, 107, 132, 142, 150, 151, 158, 159, 168, 169, 188, 202, 232, 309, 337) are<0.1% in the submitted sample(s).

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Result:

Tested part(s):

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

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- (32) Black plastic(back cover, socket, Power PAR) 32
- (33) Silvery plated coppery metal(connect plated, socket, Power PAR) 33
- (34) Silvery plated coppery metal(pin, socket, Power PAR) 34
- (35) Silvery metal(contact plate, socket, Power PAR) 35
- (36) Silvery metal(tenon nail, Power PAR) 36
- (37) Silvery metal(spring, tenon nail, Power PAR) 37
- (38) Silvery metal(screw, tenon nail, Power PAR) 38
- (39) Black plate silvery metal(screw, handle buckle holder, Power PAR) 39
- (40) Silvery metal(plate, handle buckle, Power PAR) 40
- (41) Silvery metal(button, handle buckle, Power PAR) 41
- (42) Silvery metal(spring, handle buckle, Power PAR) 42
- (43) Black soft plastic(food pad, Power PAR) 43
- (44) White soft plastic(film, Power PAR) 44
- (45) Black plastic(cap, Power PAR) 45
- (46) Black plastic(big screw, Power PAR) 46
- (47) Grey soft plastic(gasket, Power PAR) 47
- (48) Black plastic(small screw, Power PAR) 48
- (49) Black plated silvery metal(screw, back cover holder, Power PAR) 49
- (50) Black foam with adhesive(back cover, Power PAR) 50
- (51) Silvery metal(plate, buzzer holder, back cover, Power PAR) 51
- (52) Silvery metal(screw, buzzer holder, back cover, Power PAR) 52
- (53) White plastic(case, plug, buzzer, back cover, Power PAR) 53
- (54) Silvery metal(pin, plug, buzzer, back cover, Power PAR) 54
- (55) Red PVC with metal(wire jacket, buzzer, back cover, Power PAR) 55
- (56) Black PVC with metal(wire jacket, buzzer, back cover, Power PAR) 56
- (57) Black plastic with white foam(case, buzzer, back cover, Power PAR) 59
- (58) Black dry glue(buzzer, back cover, Power PAR) 60
- (59) Green PCB with solder(PCB, buzzer, back cover, Power PAR) 62
- (60) White dry glue(plate, buzzer, back cover, Power PAR) 63
- (61) Golden silvery/beige part(plate, buzzer, back cover, Power PAR) 64
- (62) Coppery metal(wire, buzzer, back cover, Power PAR) 66
- (63) Black soft plastic(searing, back cover, Power PAR) 67
- (64) Silvery metal(buckle, back cover, Power PAR) 68
- (65) Silvery metal(spring, buckle, back cover, Power PAR) 69

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- (66) Black plated silvery metal(screw, buckle, back cover, Power PAR) 70
- (67) Silvery metal(nut, buckle, back cover, Power PAR) 71
- (68) Brown fabric with adhesive(sticker, back cover, Power PAR) 72
- (69) Multi-color coated transparent plastic(keyboard film, back cover, Power PAR) 73
- (70) White adhesive(PCB holder, back cover, Power PAR) 74
- (71) White printed black plastic with adhesive(label, back cover, Power PAR) 75
- (72) White plastic(socket, power PCB, Power PAR)
- (73) Silvery metal(hook, back cover, Power PAR) 77
- (74) Silvery metal(screw, hook holder, back cover, Power PAR) 78
- (75) Silvery metal(back cover, Power PAR) 79
- (76) Black printed white plastic with adhesive(label, PCB, back cover, Power PAR) 80
- (77) Silvery metal with adhesive(screen, PCB, back cover, Power PAR) 82
- (78) Golden FPC(screen, PCB, back cover, Power PAR) 83
- (79) Black plastic with adhesive(tape, screen, PCB, back cover, Power PAR) 84
- (80) Black dry glue(screen, PCB, back cover, Power PAR) 85
- (81) Translucent black plastic(film, screen, PCB, back cover, Power PAR) 86
- (82) Transparent glass(thick glass, screen, PCB, back cover, Power PAR) 87
- (83) Transparent/silvery glass(thin glass, screen, PCB, back cover, Power PAR) 88
- (84) Black body(LED, PCB, back cover, Power PAR) 89
- (85) Silvery metal(pin, LED, PCB, back cover, Power PAR) 90
- (86) Beige plastic(socket J2, PCB, back cover, Power PAR) 91
- (87) Silvery metal(pin, socket J2, PCB, back cover, Power PAR) 92
- (88) Black/beige/silvery part(socket P1, PCB, back cover, Power PAR) 99
- (89) Green PCB with EC and solder(PCB, back cover, Power PAR) 103
- (90) White plastic(case, plug, connect wire, Power PAR) 105
- (91) Golden metal(pin, plug, connect wire, Power PAR) 106
- (92) Black soft plastic(wire tube, connect wire, Power PAR) 107
- (93) Silvery metal(spring, shell, Power PAR) 108
- (94) Silvery metal(screw, PCB holder, shell, Power PAR) 109
- (95) Golden FPC(PCB, shell, Power PAR) 110
- (96) Brown plastic(FPC, PCB, shell, Power PAR) 111
- (97) Beige plastic with metal part(socket P14, PCB, shell, Power PAR) 112
- (98) Black/beige plastic with metal part(socket P1, PCB, shell, Power PAR) 115
- (99) Black/beige plastic with metal part(socket P2, PCB, shell, Power PAR) 119

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- (100) Silvery/golden metal(pin, socket P2, PCB, shell, Power PAR) 122
- (101) Beige plastic with metal(socket P3, PCB, shell, Power PAR) 123
- (102) Black plastic with metal(socket P200, PCB, shell, Power PAR) 126
- (103) Black plastic with metal(socket JP1, PCB, shell, Power PAR) 129
- (104) Grey body(inductor "L16", PCB, shell, Power PAR) 131
- (105) Silvery metal(pin, inductor "L16", PCB, shell, Power PAR) 132
- (106) Black body(inductor "L202", PCB, shell, Power PAR) 142
- (107) Silvery/coppery metal with silvery solder(pin, triode "Q3", PCB, shell, Power PAR) 145
- (108) Black plastic(triode "Q3", PCB, shell, Power PAR) 146
- (109) Black body(IC U22, PCB, shell, Power PAR) 147
- (110) Silvery metal(pin, IC U22, PCB, shell, Power PAR) 148
- (111) Black body(IC U7, PCB, shell, Power PAR) 149
- (112) Black body(IC U1, PCB, shell, Power PAR) 150
- (113) Black body(IC U200, PCB, shell, Power PAR) 151
- (114) Black body(IC Q9, PCB, shell, Power PAR) 152
- (115) Silvery metal(plate R33, PCB, shell, Power PAR) 153
- (116) Green PCB with EC and solder(PCB, shell, Power PAR) 155
- (117) Grey glue(heat dissipation adhesive, PCB, shell, Power PAR) 156
- (118) Silvery metal(heat sink, PCB, shell, Power PAR) 157
- (119) Silvery metal(screw, earth lead holder, Power PAR) 158
- (120) Silvery metal(spring gasket, earth lead holder, Power PAR) 159
- (121) Silvery metal(gasket, earth lead holder, Power PAR) 160
- (122) Silvery metal(gear gasket, earth lead holder, Power PAR) 161
- (123) Silvery metal(socket, earth lead holder, Power PAR) 162
- (124) Silvery metal(wire connect, earth lead, Power PAR) 163
- (125) Transparent PVC(sleeve, earth lead, Power PAR) 164
- (126) Yellow/green PVC(wire jacket, earth lead, Power PAR) 165
- (127) Black soft plastic(wire sleeve, earth lead, Power PAR) 166
- (128) Silvery metal(wire, earth lead, Power PAR) 167
- (129) Black plated silvery metal(screw, front ring holder, earth lead, Power PAR) 168
- (130) Black plated silvery metal(gasket, front ring holder, earth lead, Power PAR) 169
- (131) Black plastic(front ring, Power PAR) 170
- (132) Golden metal(rivet, front ring, Power PAR) 171
- (133) Silvery metal(spring, front ring, Power PAR) 172

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- (134) Silvery metal(button, front ring, Power PAR) 173
- (135) Black metal(spring holder, front ring, Power PAR) 174
- (136) Silvery magnet(front ring, Power PAR) 175
- (137) Translucent dry glue(magnet holder, front ring, Power PAR) 176
- (138) Black soft plastic(eyeglass holder, Power PAR) 177
- (139) Multi-color glass(eyeglass, Power PAR) 178
- (140) Transparent plastic(lamp, Power PAR) 179
- (141) Black soft plastic(tube, Power PAR) 180
- (142) Golden metal with silvery solder(socket, Power PAR) 181
- (143) Black plated silvery metal(gasket)
- (144) Black soft plastic(wire jacket, Power PAR) 183
- (145) Silvery metal(wire, Power PAR) 184
- (146) White plastic(plug, connect wire, Power PAR) 185
- (147) Golden metal(pin, plug, connect wire, Power PAR) 186
- (148) Grey PVC(wire jacket, connect wire, Power PAR) 187
- (149) Silvery metal(wire, connect wire, Power PAR) 188
- (150) Golden metal(shell, big plug, J2 connect wire, Power PAR) 189
- (151) Golden metal(pin, big plug, J2 connect wire, Power PAR) 190
- (152) White plastic(insulator, big plug, J2 connect wire, Power PAR) 191
- (153) Black magnet(ring, J2 connect wire, Power PAR) 192
- (154) Grey part(J2 connect wire, Power PAR) 193
- (155) Golden metal(shell, small plug, J2 connect wire, Power PAR) 198
- (156) Golden metal(pin, small plug, J2 connect wire, Power PAR) 199
- (157) Black plastic(insulator, small plug, J2 connect wire, Power PAR) 200
- (158) Golden metal(case, socket J2, lamp holder PCB, Power PAR) 201
- (159) Golden metal(pin, socket J2, lamp holder PCB, Power PAR) 202
- (160) White plastic(insulator, socket J2, lamp holder PCB, Power PAR) 203
- (161) Black plastic with metal(socket P1, lamp holder PCB, Power PAR) 204
- (162) Black PCB with EC and solder(lamp holder PCB, Power PAR) 206
- (163) Grey fabric with adhesive(wire holder, main PCB, Power PAR) 208
- (164) Grey part(J1 connect wire, Power PAR) 209
- (165) Golden metal(shell, plug, J1 connect wire, Power PAR) 214
- (166) Golden metal(pin, plug, J1 connect wire, Power PAR) 215
- (167) Black plastic(insulator, J1 connect wire, Power PAR) 216

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- (168) Golden metal(stud, Power PAR) 217
- (169) Golden metal(long stud, Power PAR) 218
- (170) Golden FPC(Power PAR) 219
- (171) Brown plastic(FPC, Power PAR) 220
- (172) Golden FPC(main PCB, Power PAR) 221
- (173) Black plastic with metal(socket, FPC, main PCB, Power PAR) 222
- (174) Black plastic(socket P9, main PCB, Power PAR) 224
- (175) Golden metal(pin, socket P9, main PCB, Power PAR) 225
- (176) Silvery metal(cover, PCB, main PCB, Power PAR) 226
- (177) Black body(big IC, PCB, main PCB, Power PAR) 227
- (178) Black body(medium IC, PCB, main PCB, Power PAR) 228
- (179) Black body(small IC, PCB, main PCB, Power PAR) 229
- (180) Silvery body(crystal oscillator, PCB, main PCB, Power PAR) 230
- (181) Golden metal with white plastic(socket, PCB, main PCB, Power PAR) 236
- (182) White printed black coated beige plastic with coppery metal(PCB, main PCB, Power PAR) 239
- (183) White plastic(socket J5, main PCB, Power PAR) 240
- (184) Silvery metal(contact plate, socket J5, main PCB, Power PAR) 241
- (185) Grey body(inductor "L9", main PCB, Power PAR) 242
- (186) Silvery metal(pin, inductor "L9", main PCB, Power PAR) 243
- (187) Black plastic(triode "D8", main PCB, Power PAR) 244
- (188) Silvery/coppery metal with silvery solder(pin, triode "D8", main PCB, Power PAR) 245
- (189) Dark grey body(inductor "L102", main PCB, Power PAR) 256
- (190) Golden metal(cap, FU2, main PCB, Power PAR) 257
- (191) White ceramic(FU2, main PCB, Power PAR) 258
- (192) Silvery metal(pin, FU2, main PCB, Power PAR) 259
- (193) Silvery metal(fuse, FU2, main PCB, Power PAR) 260
- (194) Black body(IC "U13", main PCB, Power PAR) 261
- (195) Black body(IC "U5", main PCB, Power PAR) 262
- (196) Black body(IC "U8", main PCB, Power PAR) 263
- (197) Black body(IC "U4", main PCB, Power PAR) 264
- (198) Black body(IC "301", main PCB, Power PAR) 265
- (199) Black body(IC "Q9", main PCB, Power PAR) 266
- (200) Black body(IC "U2", main PCB, Power PAR) 267
- (201) Black plastic(diode "D4", main PCB, Power PAR) 268

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- (202) Silvery/coppery metal with silvery solder(pin, diode "D4", main PCB, Power PAR) 269
- (203) Black body(diode "D3", main PCB, Power PAR) 270
- (204) Black body(diode "Q3-1", main PCB, Power PAR) 271
- (205) Black body(SMD triode, main PCB, Power PAR) 272
- (206) Silvery body(crystal oscillator, main PCB, Power PAR) 273
- (207) White/orange body(SMD inductor L2, main PCB, Power PAR) 274
- (208) White/black body(SMD inductor "C1", main PCB, Power PAR) 275
- (209) Orange body(SMD inductor "L4", main PCB, Power PAR) 276
- (210) Black PCB with EC and solder(main PCB, Power PAR) 282
- (211) Black plate silvery metal(screw, LED PCB holder, Power PAR) 283
- (212) Silvery metal(pin JP81, LED PCB, Power PAR) 284
- (213) Black body(IC "U9", LED PCB, Power PAR) 285
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- (215) Grey dry glue(Waterproof glue, power PCB, Power PAR) 289
- (216) Black plastic(sleeve, power PCB, Power PAR) 290
- (217) Black metal(heat sink, power PCB, Power PAR) 291
- (218) White dry glue(power PCB, Power PAR) 292
- (219) White plastic(plug, connect wire, power PCB, Power PAR) 293
- (220) Silvery metal(pin, plug, connect wire, power PCB, Power PAR) 294
- (221) Red PVC(connect wire, power PCB, Power PAR, semi-product) 295
- (222) Black PVC(connect wire, power PCB, Power PAR, semi-product) 296
- (223) Silvery metal(wire, connect wire, power PCB, Power PAR, semi-product) 297
- (224) Silvery metal with solder(pin, socket, power PCB, Power PAR) 299
- (225) Brown PVC(wire jacket, connect wire, power PCB, Power PAR) 300
- (226) Blue PVC(wire jacket, connect wire, power PCB, Power PAR) 301
- (227) Silvery metal(wire, connect wire, power PCB, Power PAR) 302
- (228) White dry glue(triode, power PCB, Power PAR) 303
- (229) Silvery/coppery metal with silvery solder(pin, triode "Q2", power PCB, Power PAR) 304
- (230) Black plastic(triode "Q2", power PCB, Power PAR) 305
- (231) Black plastic(rectifier, power PCB, Power PAR) 306
- (232) Silvery/coppery metal with silvery solder(pin, rectifier, power PCB, Power PAR) 307
- (233) Blue body(capacitor, power PCB, Power PAR) 308
- (234) White printed black plastic(sleeve, capacitor "C29", power PCB, Power PAR) 309
- (235) Silvery body(capacitor "C29", power PCB, Power PAR) 310

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- (236) Blue printed silvery body(capacitor "C30", power PCB, Power PAR) 311
- (237) Brown enameled wire(inductor "L3", power PCB, Power PAR) 312
- (238) Black magnet(inductor "L3", power PCB, Power PAR) 313
- (239) Black/blue printed white palstic with adhesive(label, capacitor "C9", power PCB, Power PAR) 314
- (240) White printed black plastic(sleeve, capacitor "C9", power PCB, Power PAR) 315
- (241) Silvery metal(case capacitor "C9", power PCB, Power PAR) 316
- (242) Silvery metal(pin, capacitor "C9", power PCB, Power PAR) 317
- (243) White plastic(sleeve, capacitor "C9", power PCB, Power PAR) 318
- (244) Black soft plastic(cover, capacitor "C9", power PCB, Power PAR) 319
- (245) Brown paper(capacitor "C9", power PCB, Power PAR) 320
- (246) Silvery metal(foil, capacitor "C9", power PCB, Power PAR) 321
- (247) Dull silvery metal(foil, capacitor "C9", power PCB, Power PAR) 322
- (248) Transparent plastic with adhesive(tape, capacitor "C9", power PCB, Power PAR) 323
- (249) Black body(IC, power PCB, Power PAR) 324
- (250) Green body(resistor, main PCB, Power PAR) 325
- (251) Yellow plastic(inductor "L2", power PCB, Power PAR) 326
- (252) Coppery enameled wire(inductor "L2", power PCB, Power PAR) 327
- (253) Black dry glue(inductor "L2", power PCB, Power PAR) 328
- (254) Green coated black magnet(inductor "L2", power PCB, Power PAR) 329
- (255) White printed black plastic(sleeve, capacitor "C27", power PCB, Power PAR) 330
- (256) Silvery body(capacitor "C27", power PCB, Power PAR) 331
- (257) Black magnet(capacitor "CY1", power PCB, Power PAR) 332
- (258) Blue body(capacitor "CY1", power PCB, Power PAR) 333
- (259) Grey body(capacitor "C3", power PCB, Power PAR) 334
- (260) Yellow plastic(inductor "L1", power PCB, Power PAR) 335
- (261) Coppery enameled wire(inductor "L1", power PCB, Power PAR) 336
- (262) Black dry glue(inductor "L1", power PCB, Power PAR) 337
- (263) Green coated black magnet(inductor "L1", power PCB, Power PAR) 338
- (264) Brown plastic(shell, F1, power PCB, Power PAR) 339
- (265) Black plastic(pin holder, F1, power PCB, Power PAR) 340
- (266) Silvery metal(pin, F1, power PCB, Power PAR) 341
- (267) Silvery metal(fuse, F1, power PCB, Power PAR) 342
- (268) White fiber(fuse, F1, power PCB, Power PAR) 343
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- (270) Yellow plastic(inductor "L6", power PCB, Power PAR) 345
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- (272) Black dry glue(inductor "L6", power PCB, Power PAR) 347
- (273) Black coated black magnet(inductor "L6", power PCB, Power PAR) 348
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- (277) Yellow plastic with adhesive(tape, big transformer, power PCB, Power PAR) 352
- (278) Black plastic(shell, big transformer, power PCB, Power PAR) 353
- (279) Black magnet(big transformer, power PCB, Power PAR) 354
- (280) Translucent soft plastic(sleeve, big transformer, power PCB, Power PAR) 355
- (281) Yellow soft plastic(wire jacket, big transformer, power PCB, Power PAR) 356
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- (283) Black soft plastic(wire jacket, big transformer, power PCB, Power PAR) 358
- (284) Coppery metal(thick coil, big transformer, power PCB, Power PAR) 359
- (285) Coppery metal(thin coil, big transformer, power PCB, Power PAR) 360
- (286) Black dry glue(big transformer, power PCB, Power PAR) 361
- (287) Coppery metal(foil, big transformer, power PCB, Power PAR) 362
- (288) Silvery metal(pin, big transformer, power PCB, Power PAR) 363
- (289) Black printed transparent plastic(sticker, small transformer, power PCB, Power PAR) 364
- (290) Yellow plastic with adhesive(tape, small transformer, power PCB, Power PAR) 365
- (291) Black plastic(shell, small transformer, power PCB, Power PAR) 366
- (292) Black magnet(small transformer, power PCB, Power PAR) 367
- (293) Translucent soft plastic(sleeve, small transformer, power PCB, Power PAR) 368
- (294) Yellow soft plastic(wire jacket, small transformer, power PCB, Power PAR) 369
- (295) Coppery metal(thick coil, small transformer, power PCB, Power PAR) 370
- (296) Coppery metal(thin coil, small transformer, power PCB, Power PAR) 371
- (297) Black dry glue(small transformer, power PCB, Power PAR) 372
- (298) Coppery metal(foil, small transformer, power PCB, Power PAR) 373
- (299) Silvery metal(pin, small transformer, power PCB, Power PAR) 374
- (300) Transparent/white body(LED, power PCB, Power PAR) 380
- (301) Black body(SMD diode, power PCB, Power PAR) 381
- (302) Black body(SMD diode "D16", power PCB, Power PAR) 395
- (303) Black body(SMD diode "D3", power PCB, Power PAR) 396

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- (304) Black body(SMD diode "D7", power PCB, Power PAR) 397
- (305) Black body(rectifier, power PCB, Power PAR) 398
- (306) Black body(IC, power PCB, Power PAR) 399
- (307) Black body(SMD triode, power PCB, Power PAR) 400
- (308) Black plastic(triode "Q1", power PCB, Power PAR) 401
- (309) Silvery/coppery metal with silvery solder(triode "Q1", power PCB, Power PAR) 402
- (310) Green PCB with EC and solder(power PCB, Power PAR) 404
- (311) Grey metal(shell, Power PAR) 405
- (312) Black soft plastic(gasket, battery holder, Power PAR) 406
- (313) Silvery metal(screw, battery holder, Power PAR) 407
- (314) Silvery metal(screw holder, battery holder, Power PAR) 408
- (315) Silvery metal(battery holder, Power PAR) 409
- (316) Brown plastic(FPC, battery, Power PAR) 410
- (317) Golden FPC(battery, Power PAR) 411
- (318) Transparent golden plastic with adhesive(tape, battery, Power PAR) 412
- (319) Blue plastic(battery holder, Power PAR) 413
- (320) Black fabric(battery, Power PAR) 414
- (321) Black foam with adhesive(battery, Power PAR) 415
- (322) Black plastic with adhesive(film, PCB, battery, Power PAR) 416
- (323) Black soft plastic(pin sleeve, battery, Power PAR) 417
- (324) Brown paper with adhesive(battery, Power PAR) 418
- (325) Silvery metal(pin, PCB, battery, Power PAR) 419
- (326) Black body(inductor, wire, battery, Power PAR) 420
- (327) Black PVC(wire jacket, wire, battery, Power PAR) 421
- (328) Silvery metal(wire, battery, Power PAR) 422
- (329) Black body(SMD diode "D5", PCB, battery, Power PAR) 431
- (330) Black body(SMD diode "D2", PCB, battery, Power PAR) 432
- (331) Black body(SMD diode "D45", PCB, battery, Power PAR) 433
- (332) Black body(SMD triode "Q9", PCB, battery, Power PAR) 434
- (333) Black body(SMD triode "Q6", PCB, battery, Power PAR) 435
- (334) Black body(IC "U6", PCB, battery, Power PAR) 436
- (335) Black body(IC "Q257", PCB, battery, Power PAR) 437
- (336) Black body(IC "U7", PCB, battery, Power PAR) 438
- (337) Silvery/coppery metal with silvery solder(pin, triode "Q4", PCB, battery, Power PAR) 439

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(338) Black plastic(triode "Q4", PCB, battery, Power PAR) 440

(339) Green PCB with EC and solder(PCB, battery, Power PAR) 442

(340) Purple body(battery)

(341) Black printed white plastic with adhesive(label, battery)

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A. Two hundred and nineteen (219) 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)+(10)+(12)	(11)+(15)+(23)+(32)+(45)+(46)+(48)+(57)+(131)+(140)	(20)+(22)+(24)+(43)+(63)+(92)+(127)+(138)+(141)+(144)	(26)+(72)+(341)	(27)+(28)+(29)
All Tested 219 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(30)+(54)+(62)+(65)+(85)+(87)+(91)+(93)+(100)+(105)	(35)+(36)+(37)+(38)+(39)+(40)+(41)+(42)+(49)+(51)	(44)+(53)+(60)+(71)+(76)+(78)+(79)+(80)+(81)+(90)	(47)+(50)+(69)+(86)+(88)+(108)+(174)+(183)+(216)+(219)	(52)+(64)+(66)+(67)+(73)+(74)+(75)+(77)+(94)+(118)	(55)
All Tested 219 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(56)	(58)+(68)+(70)+(117)+(163)+(173)+(215)+(218)	(59)+(89)+(116)+(162)+(182)+(210)+(214)+(310)+(339)	(82)+(83)+(139)	(84)+(106)+(109)+(111)+(112)+(113)+(114)+(177)+(178)+(179)	(95)+(170)+(172)+(317)
All Tested 219 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(96)+(146)+(152)+(157)+(160)+(167)+(171)+(187)+(230)+(231)	(97)+(98)+(99)+(101)+(102)+(103)+(161)+(181)	(104)+(259)+(274)+(308)+(326)+(338)	(110)+(115)+(119)+(120)+(121)+(122)+(123)+(124)+(128)+(133)	(129)+(130)+(135)+(211)+(217)+(311)+(313)+(314)+(315)	(136)+(153)+(238)+(257)+(279)+(292)
All Tested 219 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					
			(137)	(143)	(145)+(147)+ (149)+(175)+ (176)+(184)+ (186)+(190)+ (192)+(193)	(154)+(164)+ (201)+(234)+ (240)+(243)+ (244)+(248)+ (255)+(276)	(155)+(156)+ (165)+(166)+ (224)	(180)+(185)+ (189)+(194)+ (195)+(196)+ (197)+(198)+ (199)+(200)
All Tested 219 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(191)+(245)+ (268)+(269)+ (320)	(203)+(204)+ (205)+(206)+ (207)+(208)+ (209)+(213)+ (228)+(233)	(212)+(220)+ (223)+(227)+ (241)+(242)+ (246)+(247)+ (266)+(267)	(221)	(225)	(229)
All Tested 219 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result				
			(235)+(236)+ (237)+(249)+ (250)+(252)+ (256)+(258)+ (261)+(271)	(239)+(251)+ (260)+(264)+ (265)+(270)+ (277)+(278)+ (290)+(291)	(253)+(254)+ (262)+(263)+ (272)+(273)	(275)+(300)+ (301)+(302)+ (303)+(304)+ (305)+(306)+ (307)+(329)	(280)+(281)+ (282)+(283)+ (286)+(289)+ (293)+(294)+ (297)+(316)
All Tested 219 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result			
			(284)+(285)+(287)+ (288)+(295)+(296)+ (298)+(299)+(325)+ (328)	(312)+(318)+(319)+ (321)+(322)+(323)+ (324)	(330)+(331)+(332)+ (333)+(334)+(335)+ (336)	(340)
All Tested 219 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)+(17)+(18)+ (19)+(21)+(33)+(34)	
184	Lead(Pb)	231-100-4	mg/kg	50	56	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

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No.	Item	EC No	Unit	MDL	Result	Category
					(25)	
184	Lead(Pb)	231-100-4	mg/kg	50	18925*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(31)	
184	Lead(Pb)	231-100-4	mg/kg	50	23231*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(61)	
184	Lead(Pb)	231-100-4	mg/kg	50	30553*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(107)	
184	Lead(Pb)	231-100-4	mg/kg	50	16401*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(125)+(126)+(148)+(327)	
9	Bis-(2-ethylhexyl) Phthalate(DEHP)	204-211-0	mg/kg	50	198	Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

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No.	Item	EC No	Unit	MDL	Result	Category
					(132)	
184	Lead(Pb)	231-100-4	mg/kg	50	25152*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(134)	
184	Lead(Pb)	231-100-4	mg/kg	50	79	Toxic for reproduction (Article 57 c)
/	All the other tested 218 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	18094*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(150)	
184	Lead(Pb)	231-100-4	mg/kg	50	24794*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 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	16533*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(158)	
184	Lead(Pb)	231-100-4	mg/kg	50	36756*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

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No.	Item	EC No	Unit	MDL	Result	Category
					(159)	
184	Lead(Pb)	231-100-4	mg/kg	50	36493*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(168)	
184	Lead(Pb)	231-100-4	mg/kg	50	24395*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(169)	
184	Lead(Pb)	231-100-4	mg/kg	50	27707*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(188)	
184	Lead(Pb)	231-100-4	mg/kg	50	2031*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(202)	
184	Lead(Pb)	231-100-4	mg/kg	50	37250*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

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No.	Item	EC No	Unit	MDL	Result	Category
					(222)	
9	Bis-(2-ethylhexyl) Phthalate(DEHP)	204-211-0	mg/kg	50	57	Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c)
21	Diisobutyl phthalate(DIBP)	201-553-2	mg/kg	50	387	CMR
/	All the other tested 217 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(226)	
3	Dibutyl Phthalate(DBP)	201-557-4	mg/kg	50	298	CMR
9	Bis-(2-ethylhexyl) Phthalate(DEHP)	204-211-0	mg/kg	50	74	Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c)
11	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins)(SCCP)	287-476-5	mg/kg	50	342	PBT
/	All the other tested 216 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(232)	
184	Lead(Pb)	231-100-4	mg/kg	50	14430*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

No.	Item	EC No	Unit	MDL	Result	Category
					(309)	
184	Lead(Pb)	231-100-4	mg/kg	50	9915*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 SVHC in the Candidate	/	mg/kg	/	N.D.	/

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No.	Item	EC No	Unit	MDL	Result	Category
					(337)	
184	Lead(Pb)	231-100-4	mg/kg	50	17495*	Toxic for reproduction (Article 57 c)
/	All the other tested 218 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 ₂)*	7646-79-9	231-589-4	mg/kg	50	CMR
5	Diarsenic Pentaoxide(As ₂ O ₅)*	1303-28-2	215-116-9	mg/kg	50	CMR
6	Diarsenic Trioxide(As ₂ O ₃)*	1327-53-3	215-481-4	mg/kg	50	CMR
7	Sodium Dichromate, Dihydrate*	7789-12-0; 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 & 3194-55-6 (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; 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; 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; 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; 13149-00-3; 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; 19438-60-9; 48122-14-1; 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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No.	Item	CAS No.	EC No.	Unit	MDL	Category
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 ₂ SiO 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]	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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No.	Item	CAS No.	EC No.	Unit	MDL	Category
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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No.	Item	CAS No.	EC No.	Unit	MDL	Category
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 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; 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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No.	Item	CAS No.	EC No.	Unit	MDL	Category
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; 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; 21049-39-8; 4149-60-4	206-801-3	mg/kg	50	Toxic for reproduction (Article 57 c) PBT (Article 57 d)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	mg/kg	50	Carcinogenic (Article 57 a) 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; 3830-45-3; 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; 10325-94-7	233-710-6	mg/kg	50	Carcinogenic (Article 57a) 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) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
180	Cadmium carbonate*	513-78-0	208-168-9	mg/kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
181	Benz[a]anthracene	56-55-3; 1718-53-2	200-280-6	mg/kg	50	Carcinogenic (Article 57 a) PBT (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 (D4)	556-67-2	209-136-7	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
184	Lead(Pb)	7439-92-1	231-100-4	mg/kg	50	Toxic for reproduction (Article 57 c)
185	Ethylenediamine(EDA)	107-15-3	203-468-6	mg/kg	50	Respiratory sensitising properties (Article 57 (f)-human health)
186	Dodecamethylcyclohexasiloxan e(D6)	540-97-6	208-762-8	mg/kg	50	PBT (Article 57 d);vPvB (Article 57 e)
187	Disodium octaborate	12008-41-2	234-541-0	mg/kg	50	Toxic for reproduction (Article 57c)
188	Dicyclohexyl Phthalate(DCHP)	84-61-7	201-545-9	mg/kg	50	Toxic for reproduction (Article 57 c) Endocrine disrupting properties (Article 57(f)-human health)
189	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
190	Benzo[g,h,i]perylene (BPE)	191-24-2	205-883-8	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
191	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(trimellitic anhydride; TMA)	552-30-7	209-008-0	mg/kg	50	Respiratory sensitising properties (Article 57 (f)-human health)
192	2,2-bis(4'-hydroxyphenyl)-4- methylpentane	6807-17-6	401-720-1	mg/kg	50	Toxic for reproduction (Article 57 c)
193	Benzo[k]fluoranthene (BkFA)	207-08-9	205-916-6	mg/kg	50	Carcinogenic(Article 57 a)PBT (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 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 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	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) Endocrine disrupting properties (Article 57(f) - environment) 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) 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) 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) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)

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(CoCl₂) is based on the identified heavy metal and anion result. Calculated concentration of Diarsenic Pentaoxide(As₂O₅), Diarsenic Trioxide(As₂O₃), Sodium Dichromate, Dihydrate, LeadHydrogen 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 hydroxyoctaoxidizincatedi-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), Leadcynamidate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead TitaniumZirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow C.I., Silicic acid (H₂SiO₅), 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 ascreening 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 Σ PAHs Σ 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

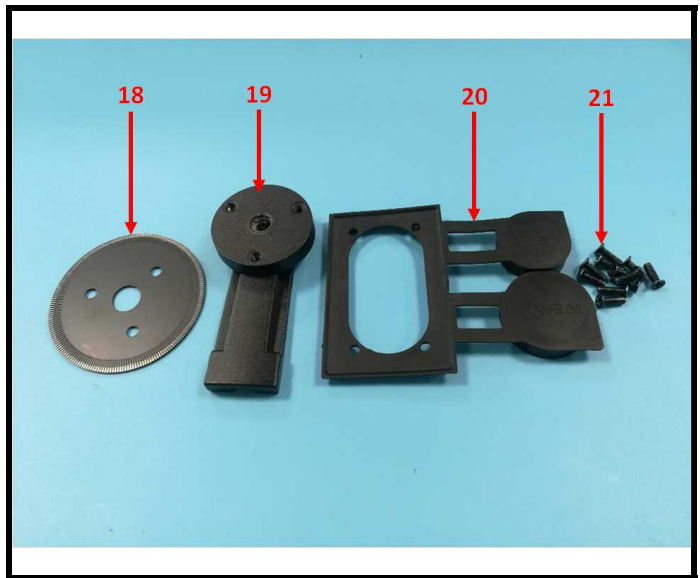
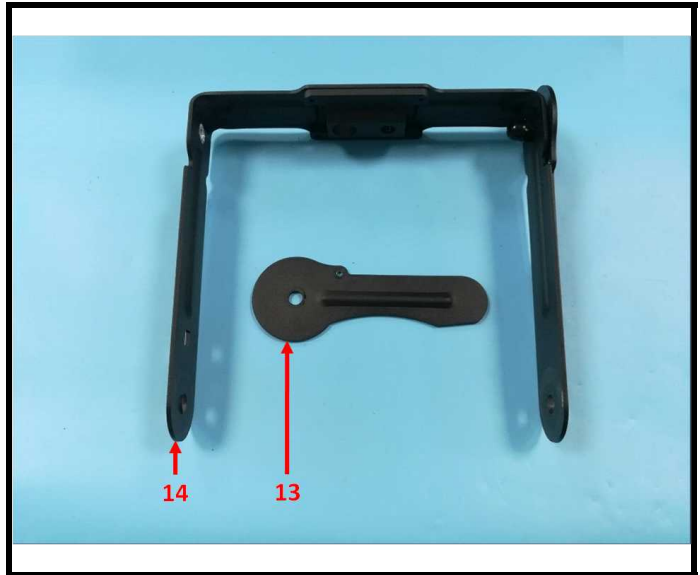


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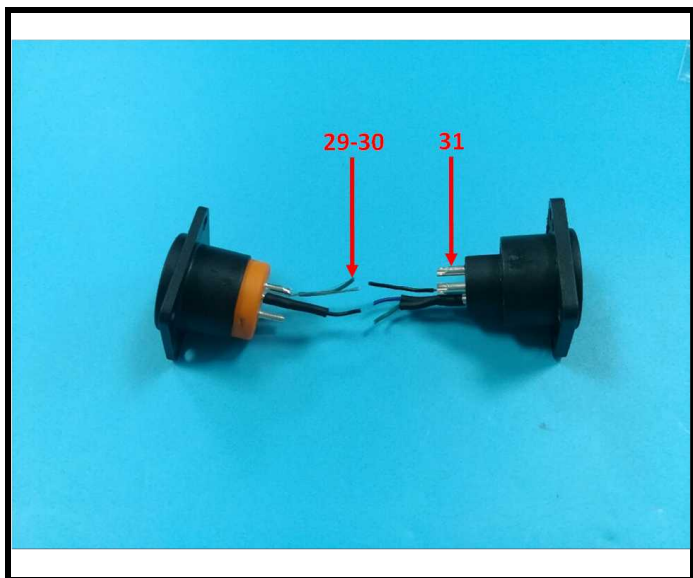
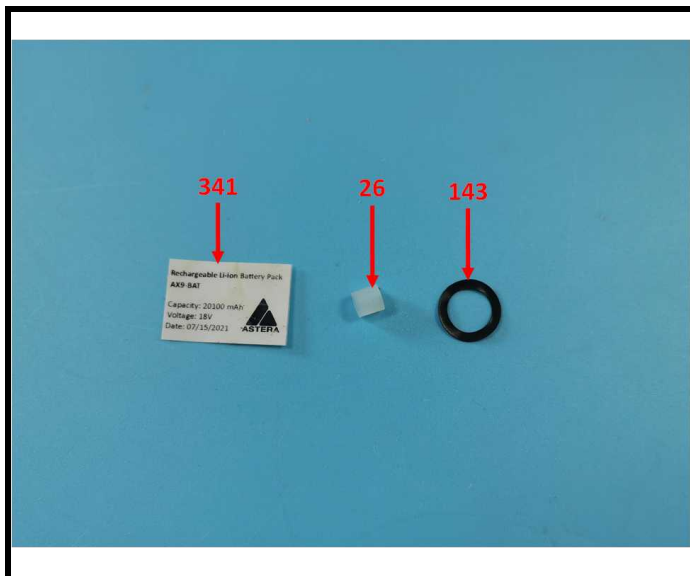
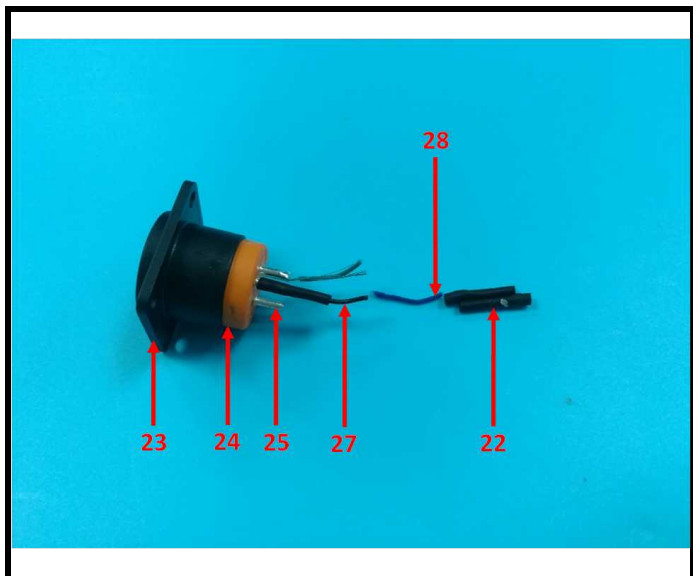


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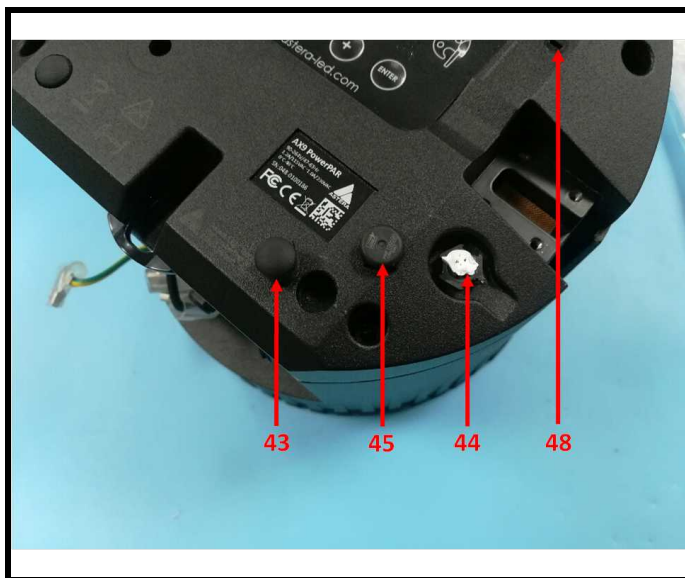
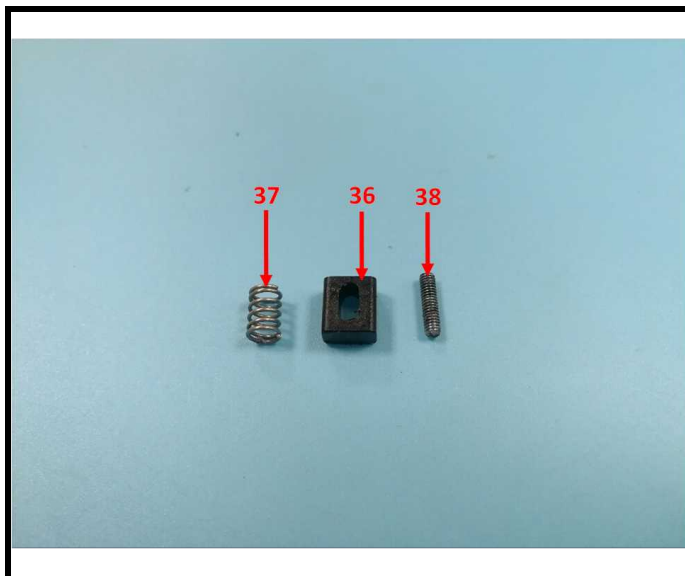


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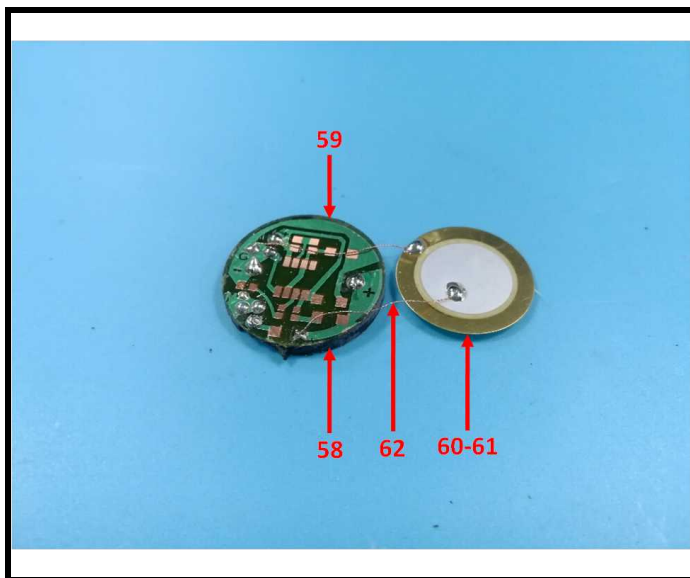
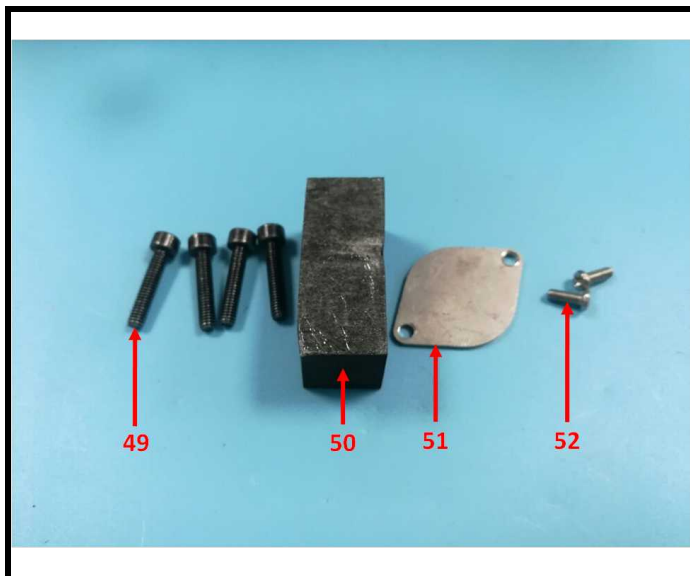
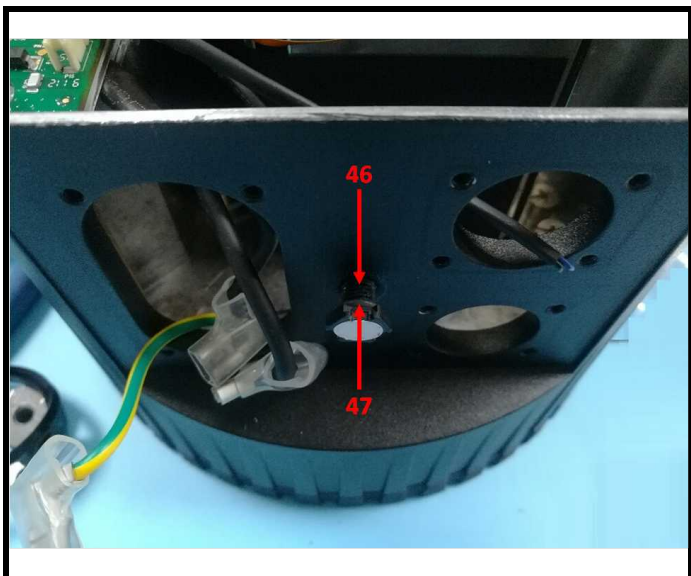


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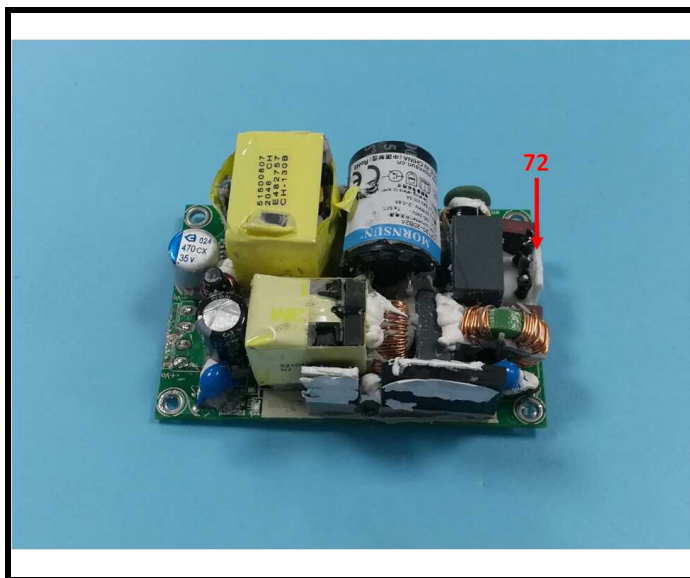
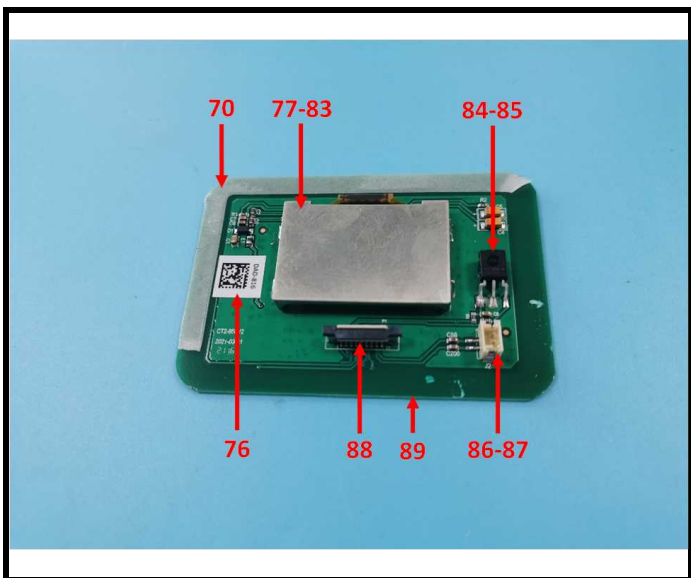
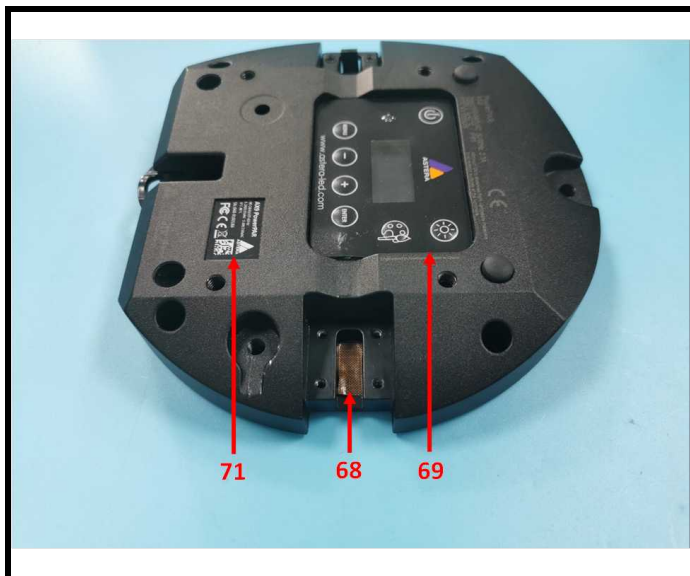
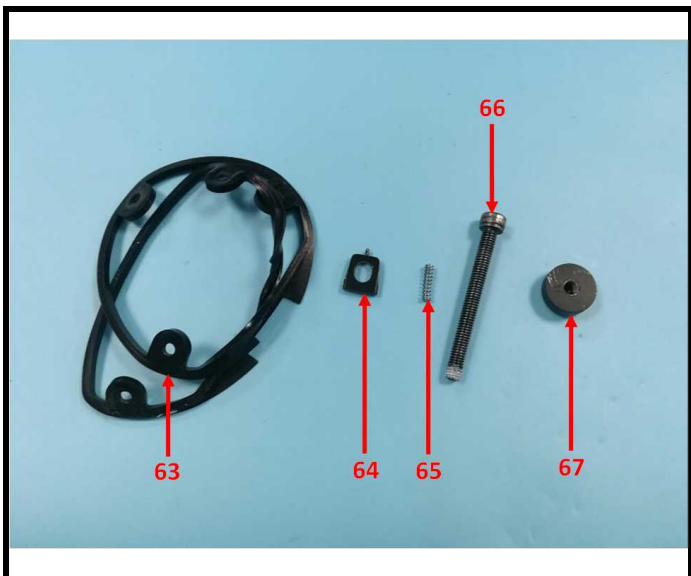


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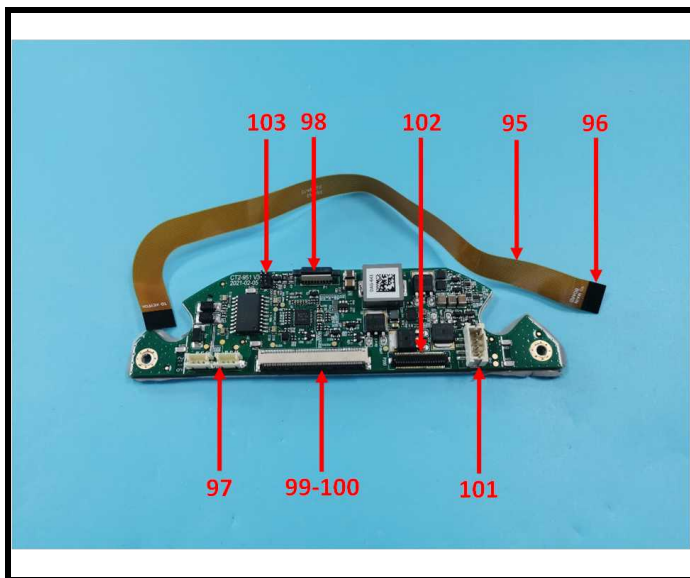
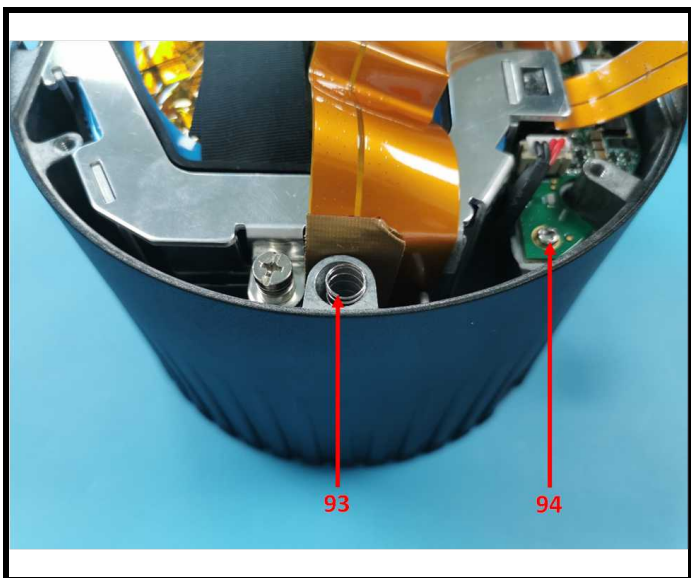
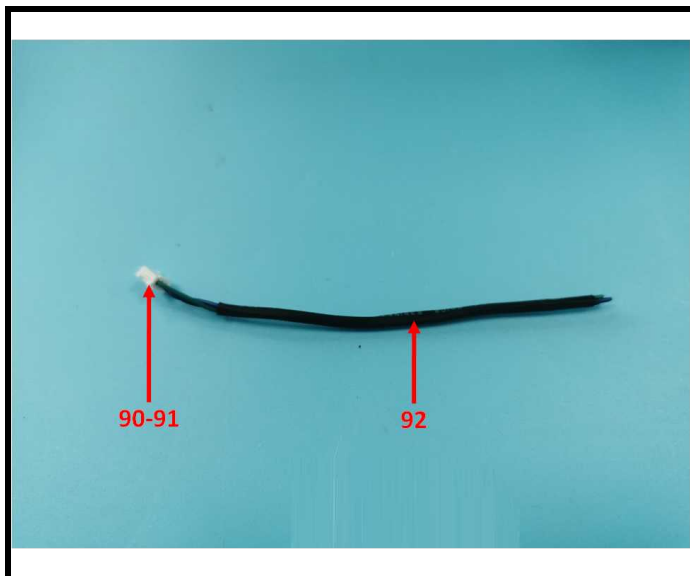
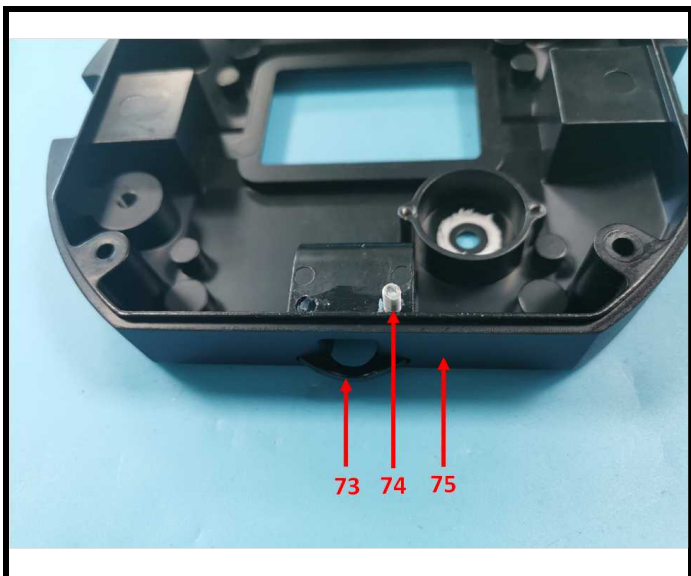


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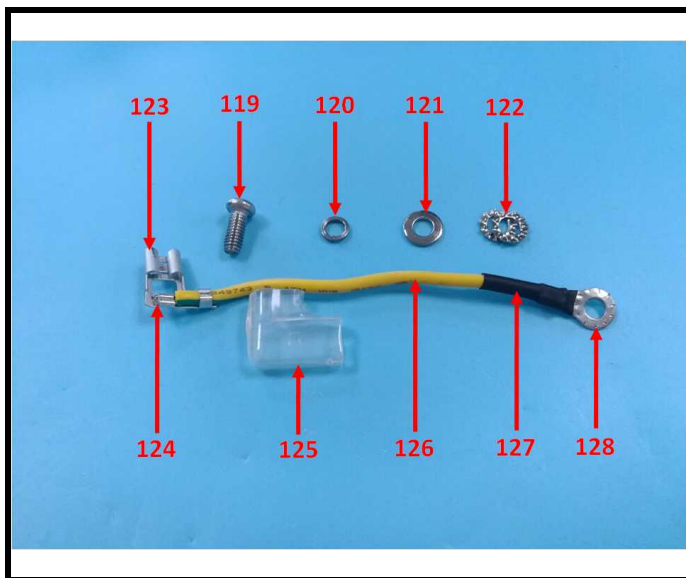
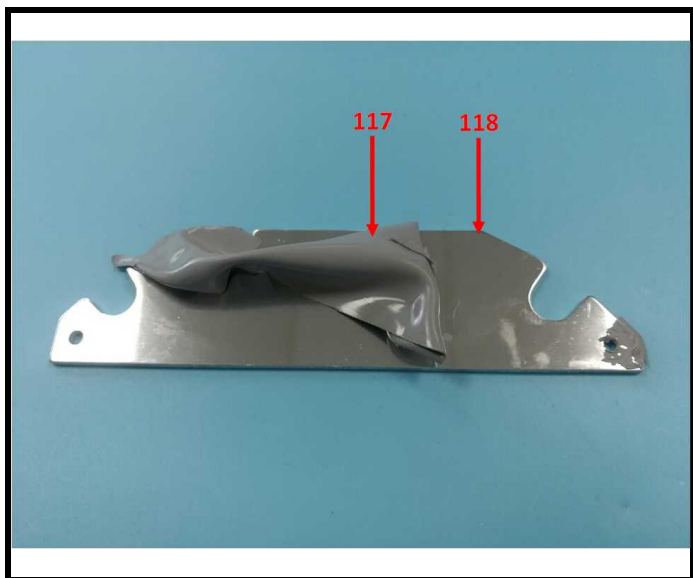
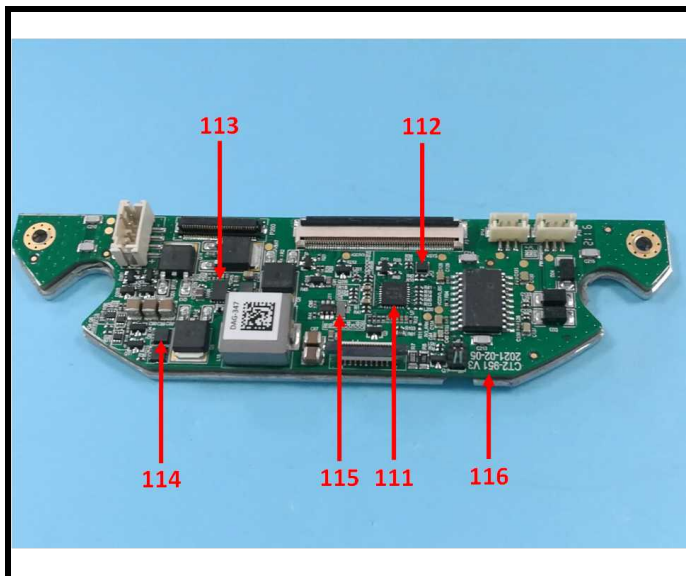
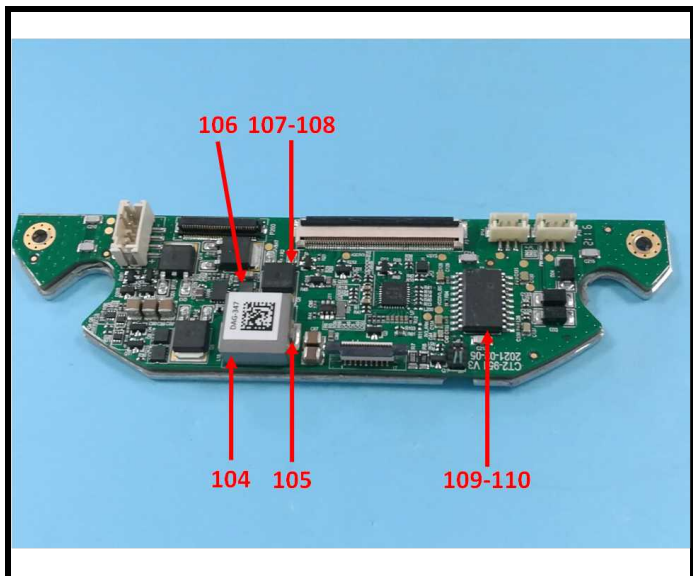


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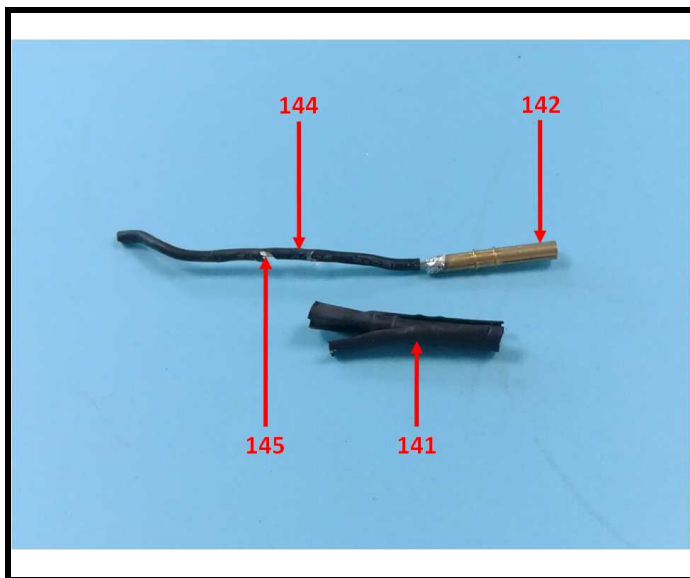
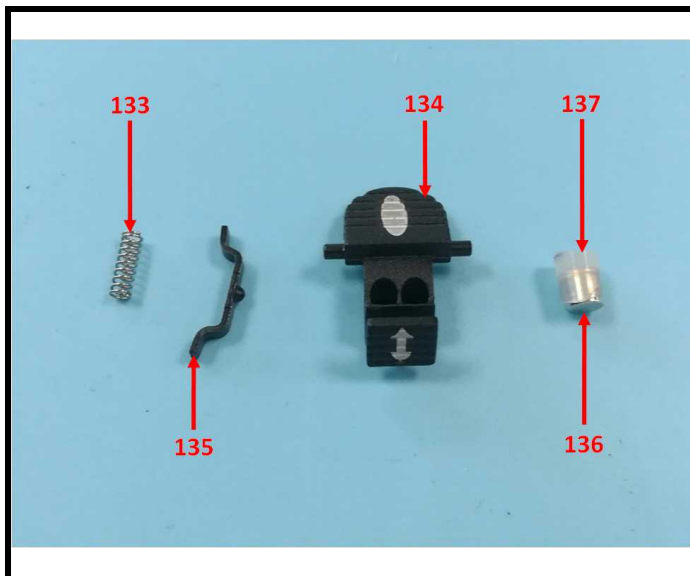
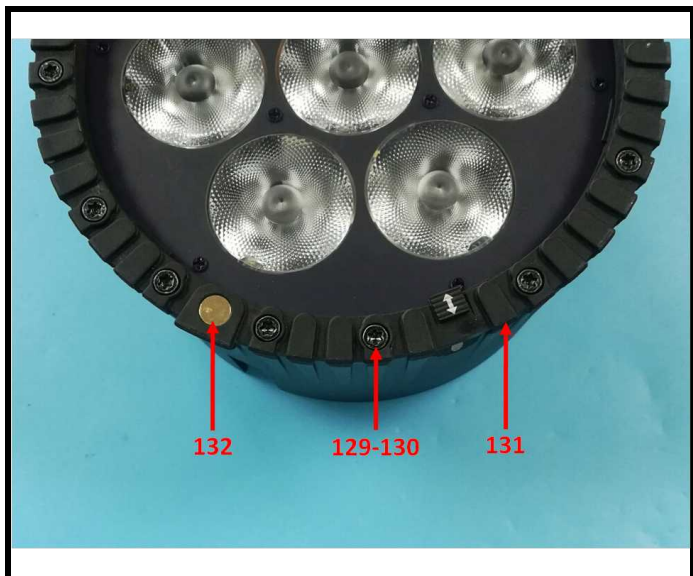


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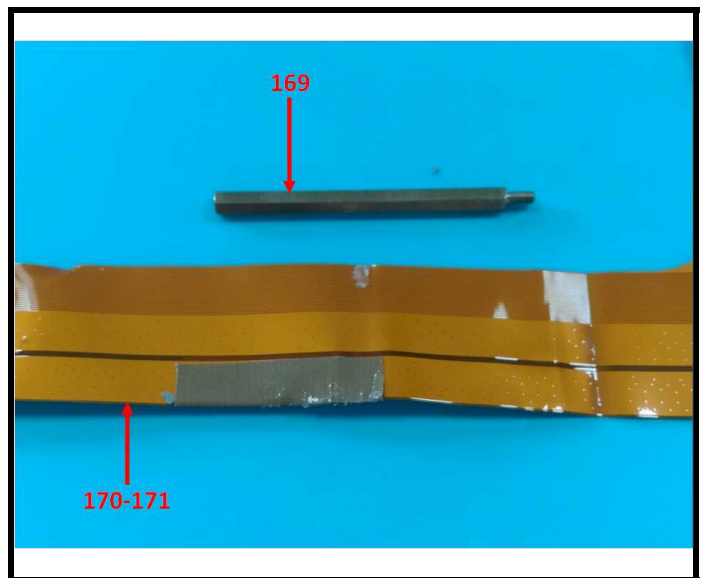
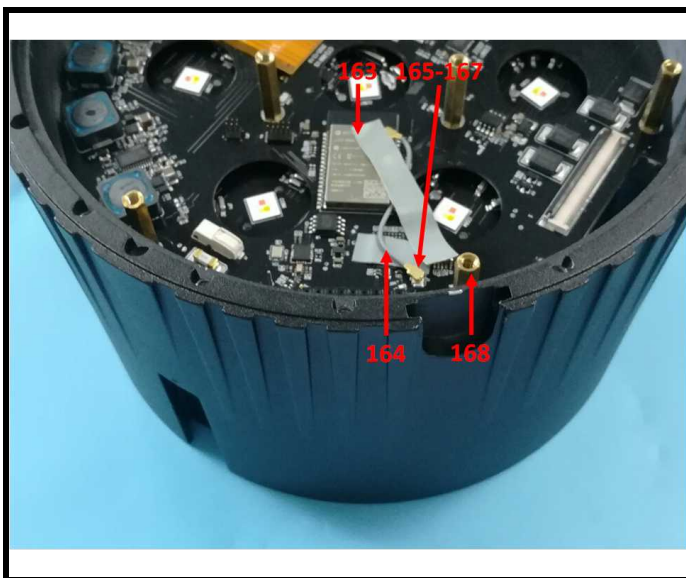
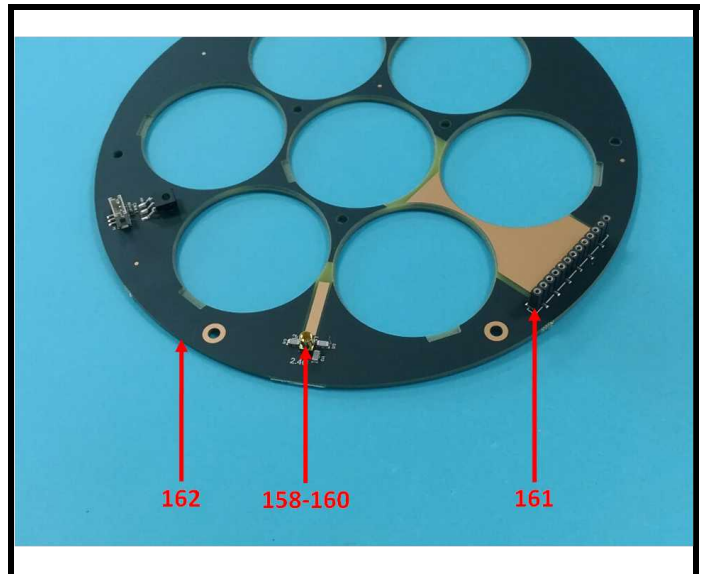
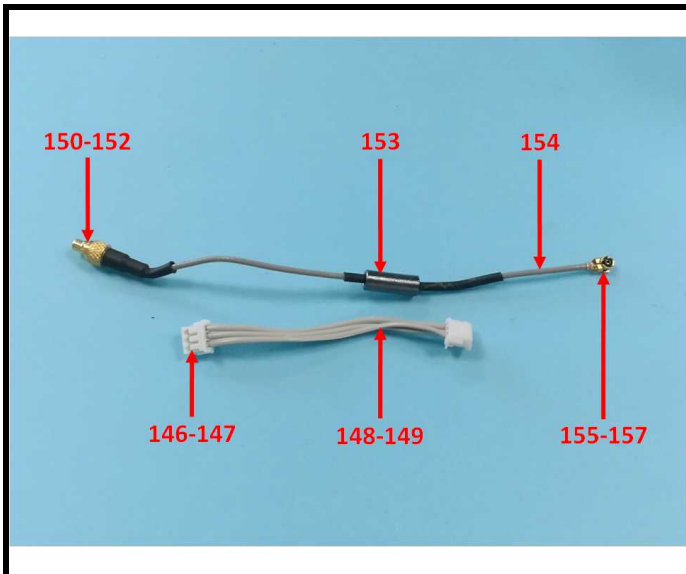


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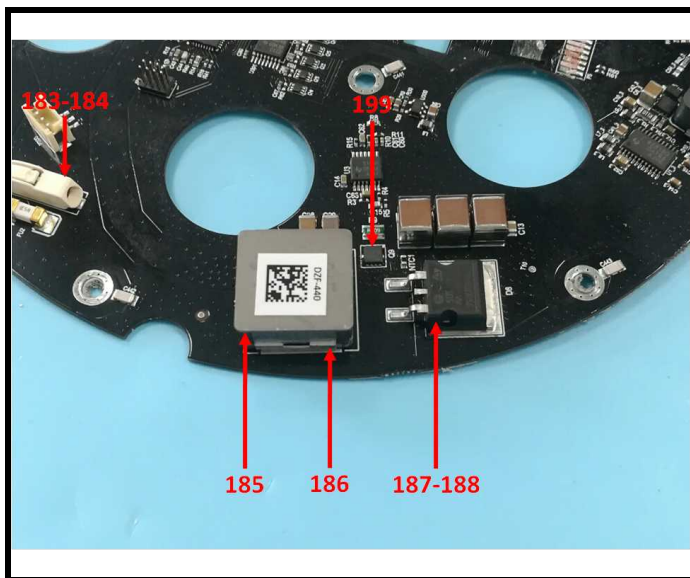
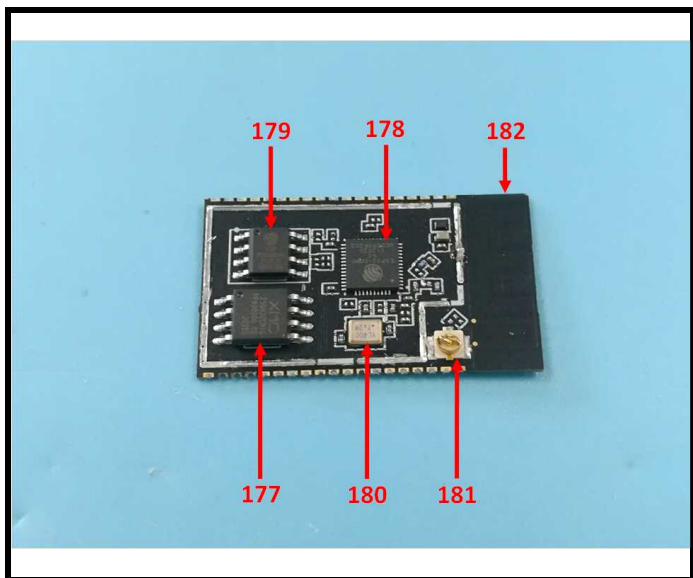
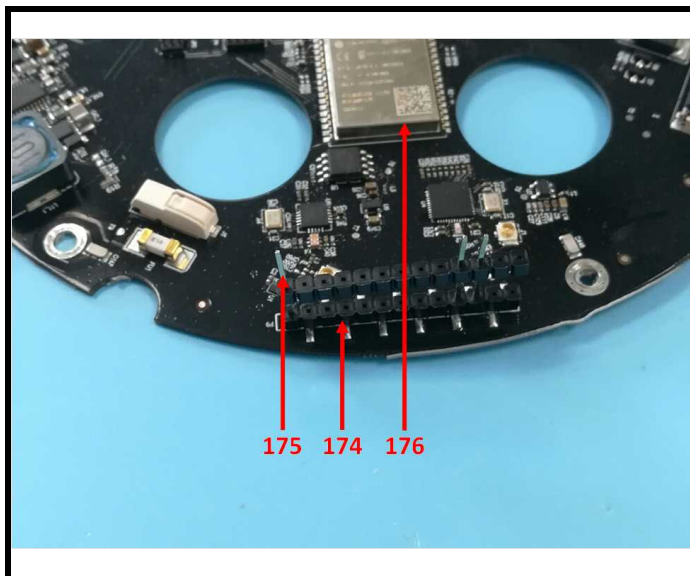
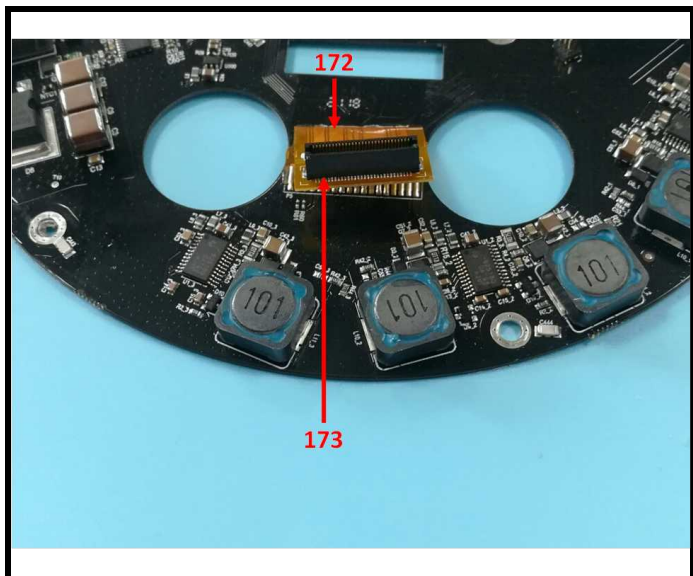


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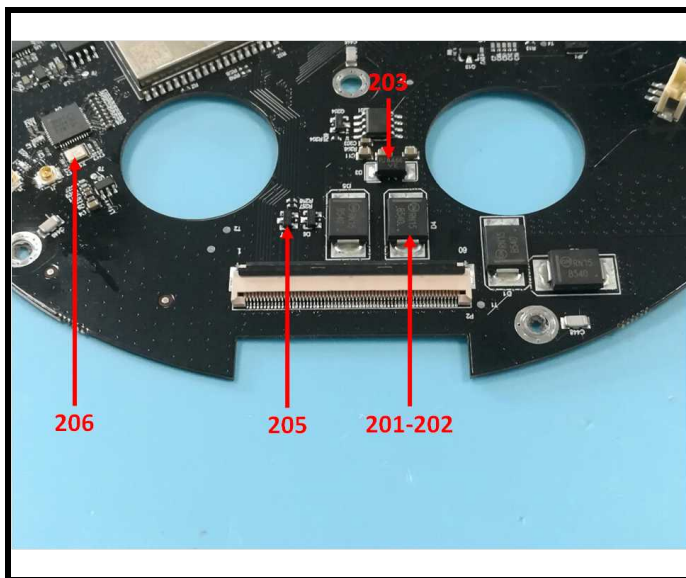
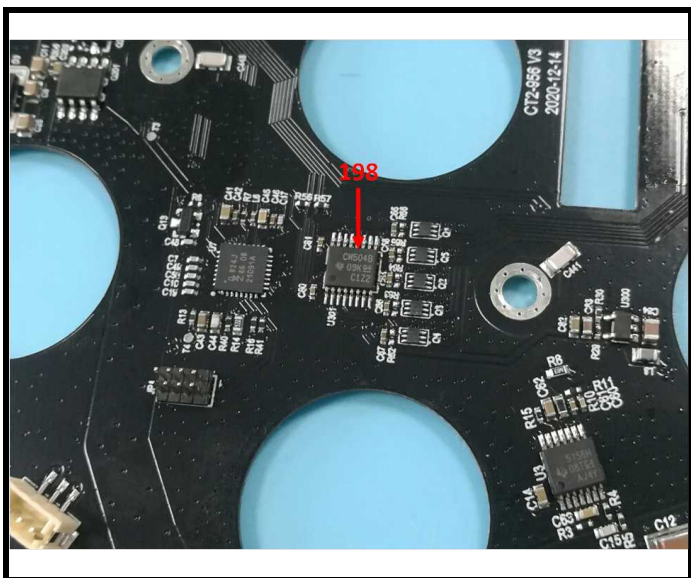
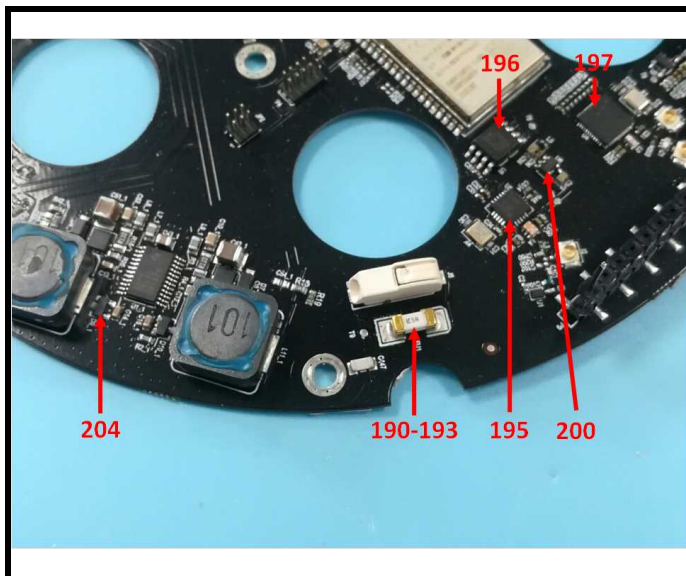
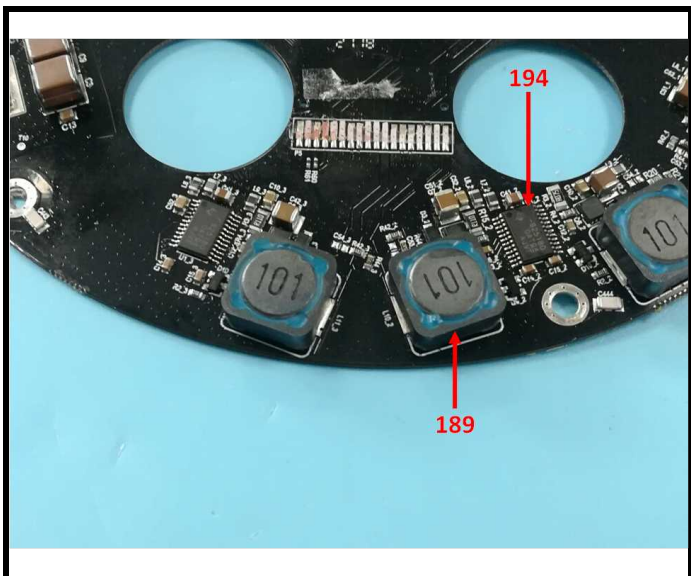


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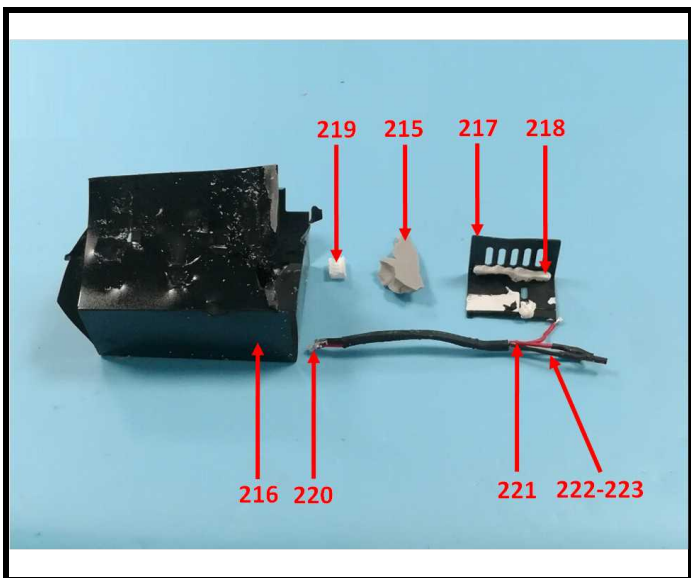
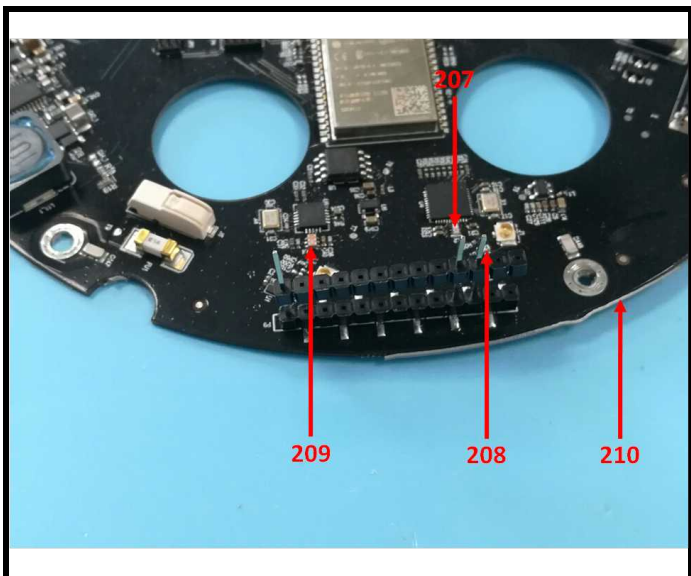


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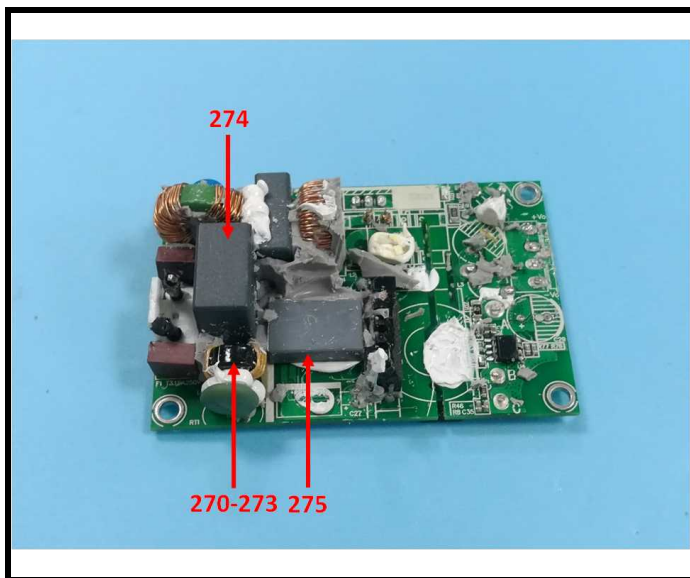
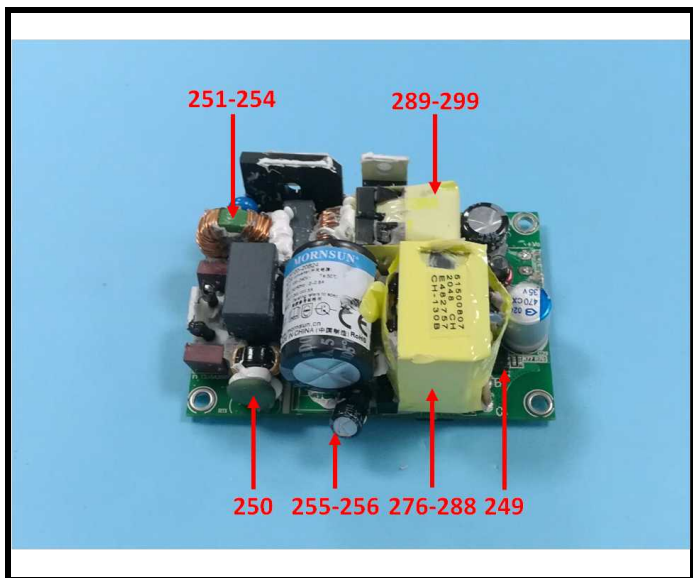
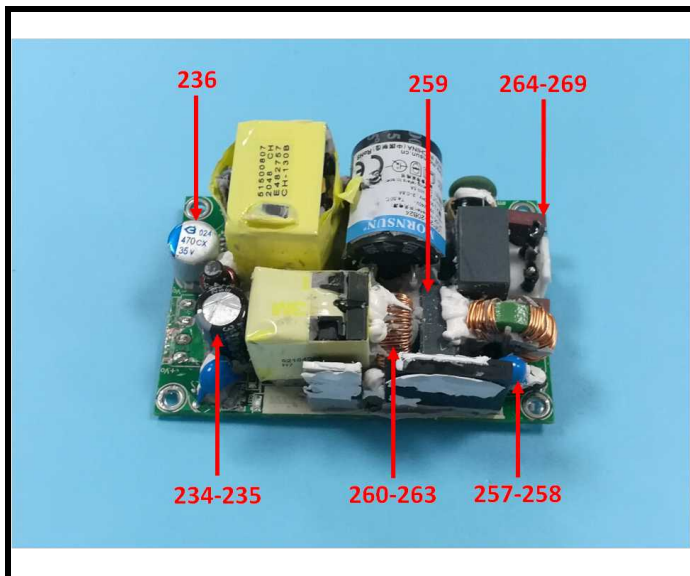
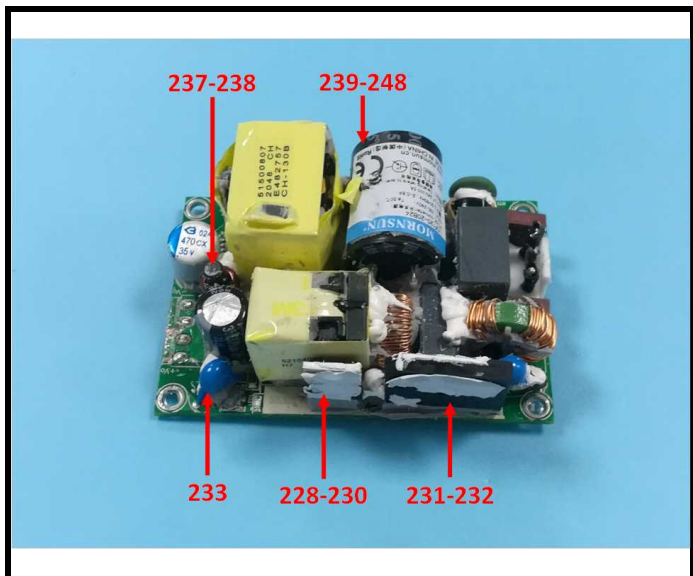


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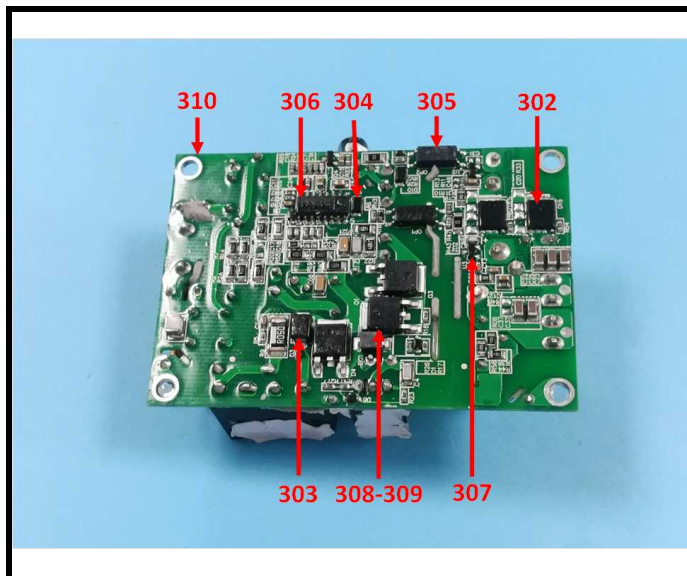
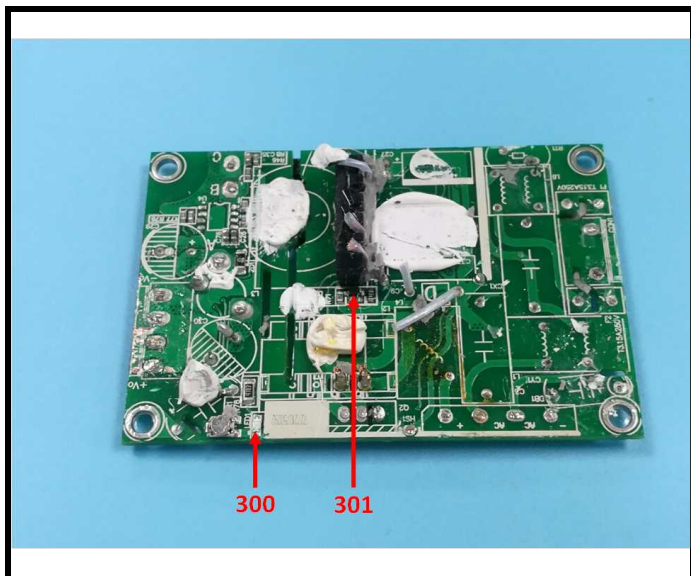


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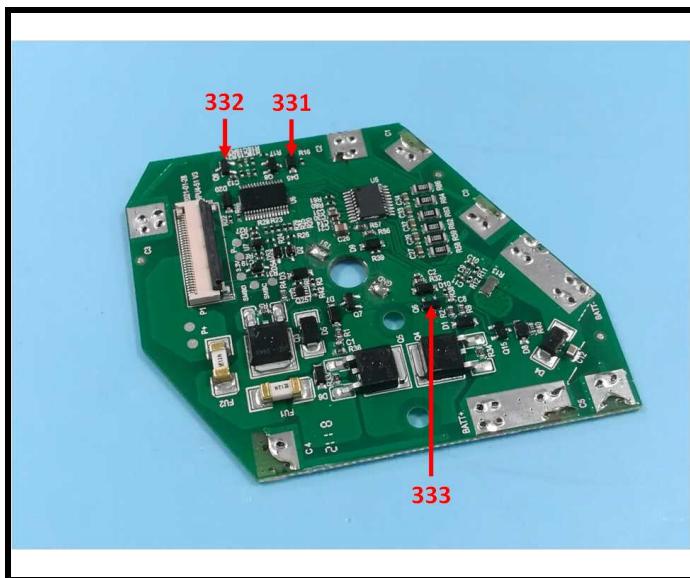
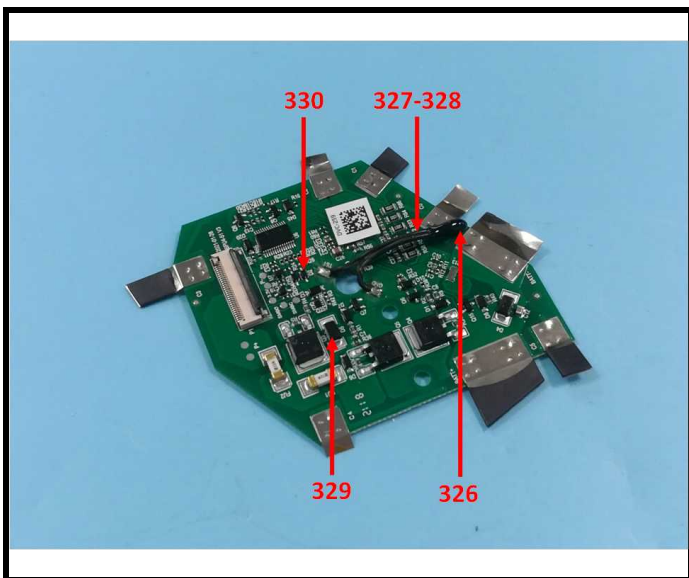
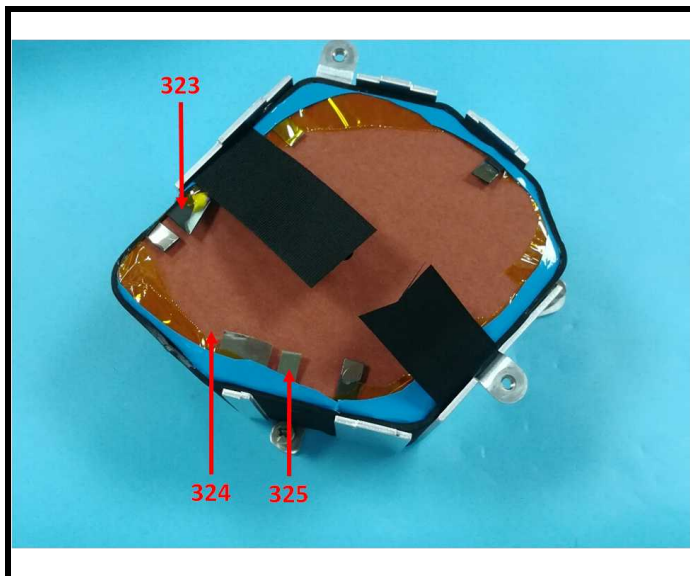
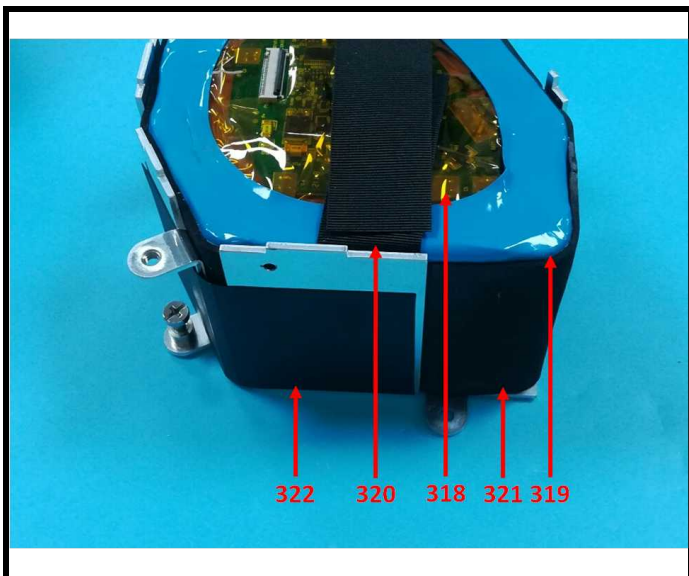


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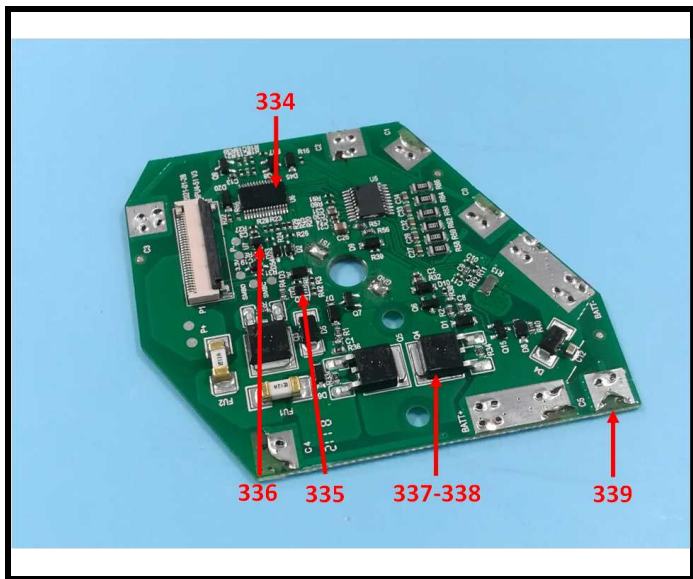


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Statement:

- 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 ***