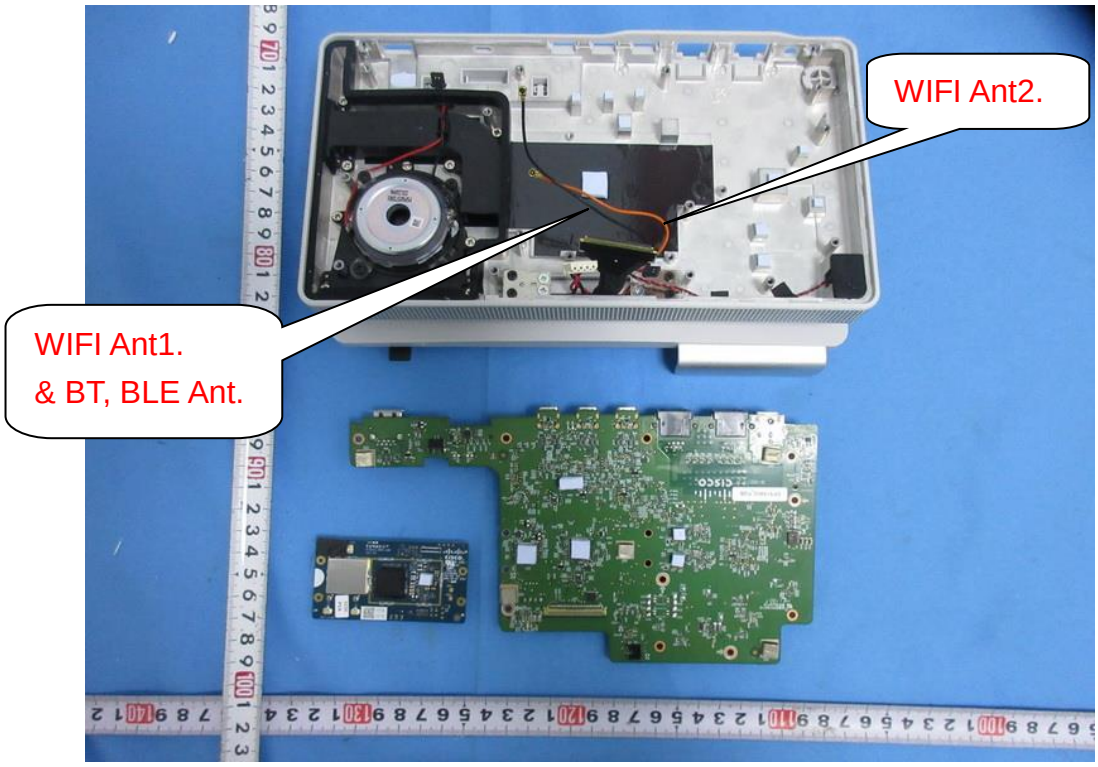
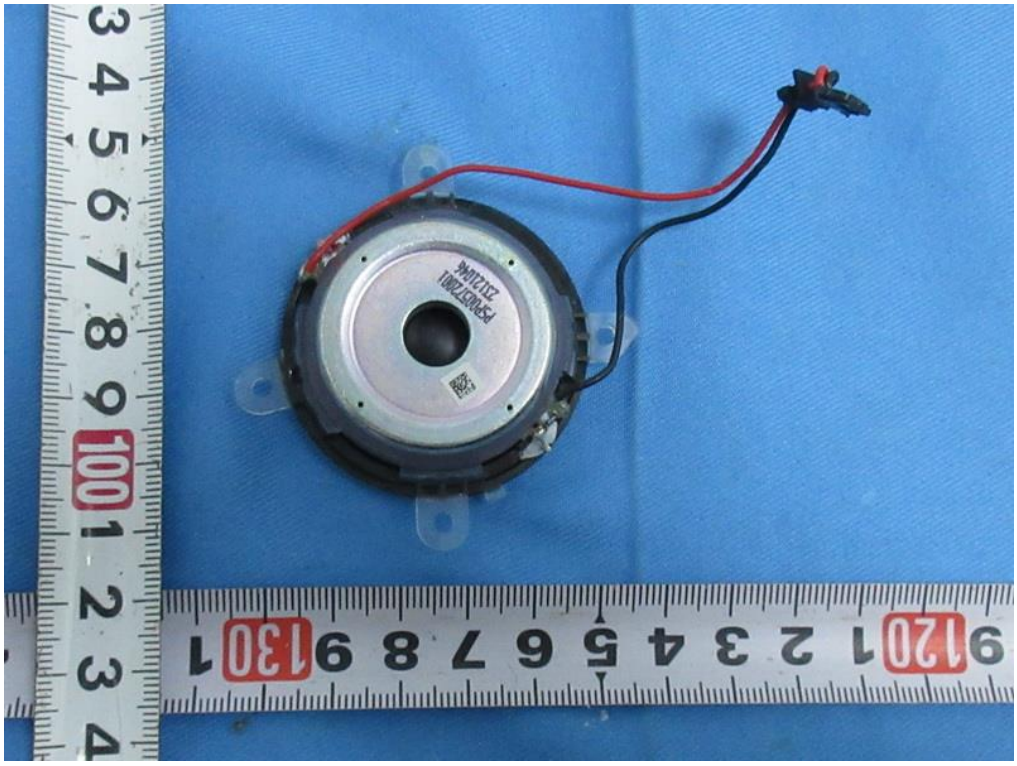
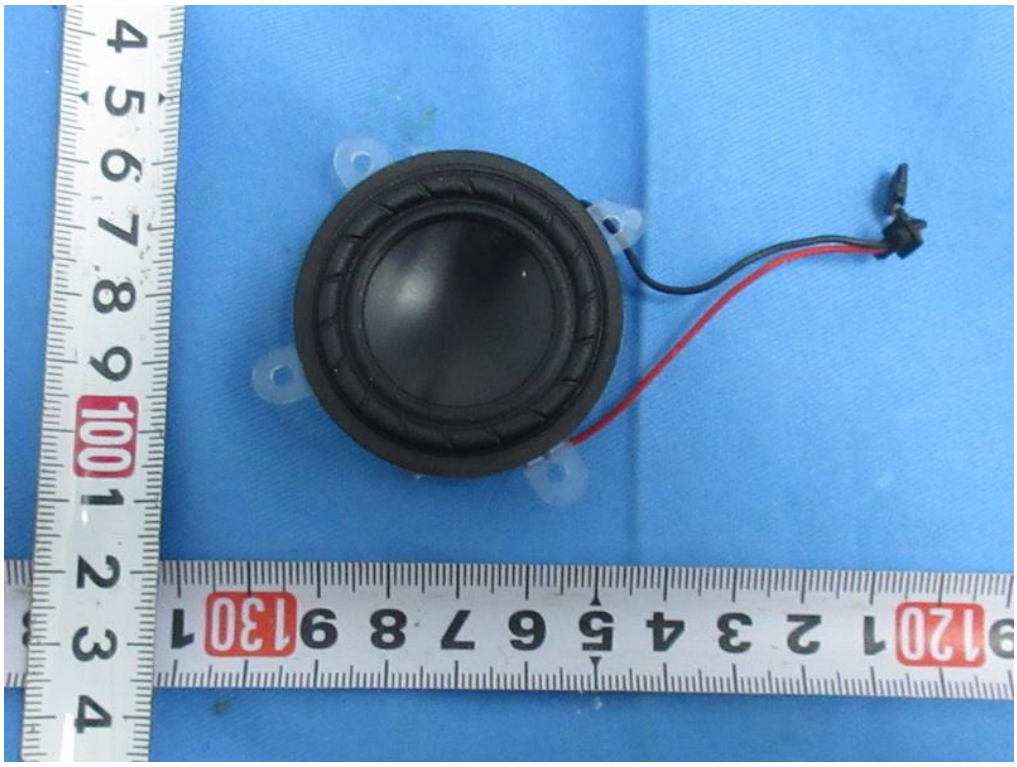
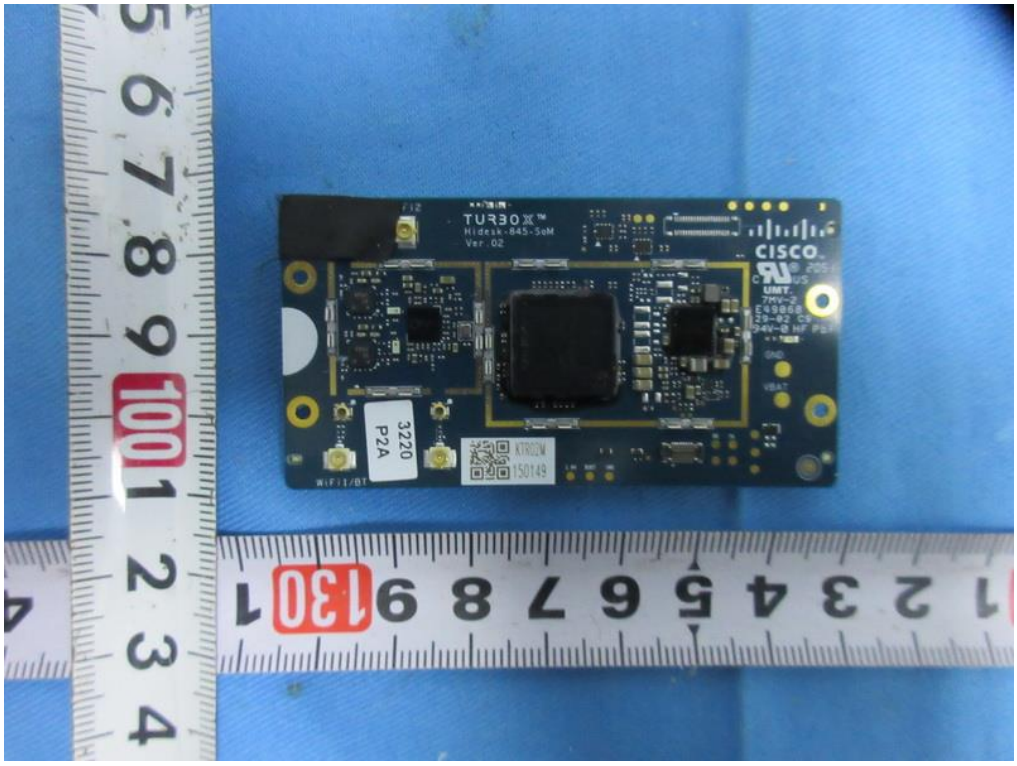
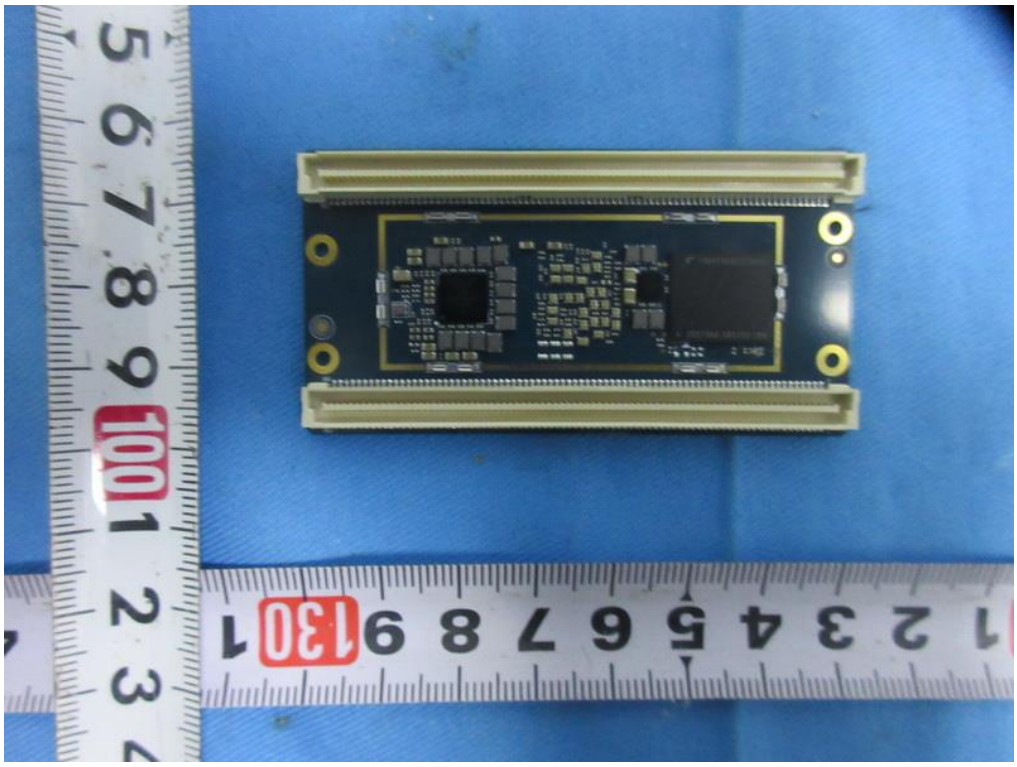


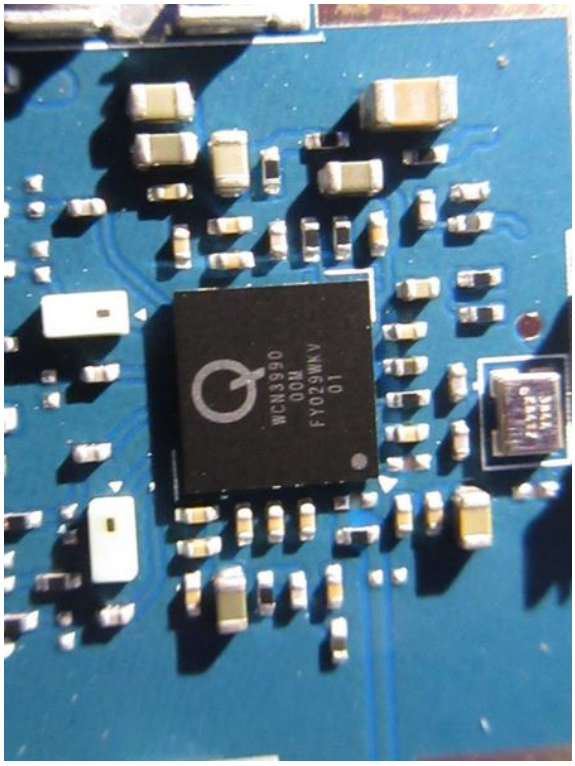

WIFI Ant2.
WIFI Ant1.
& BT, BLE Ant.

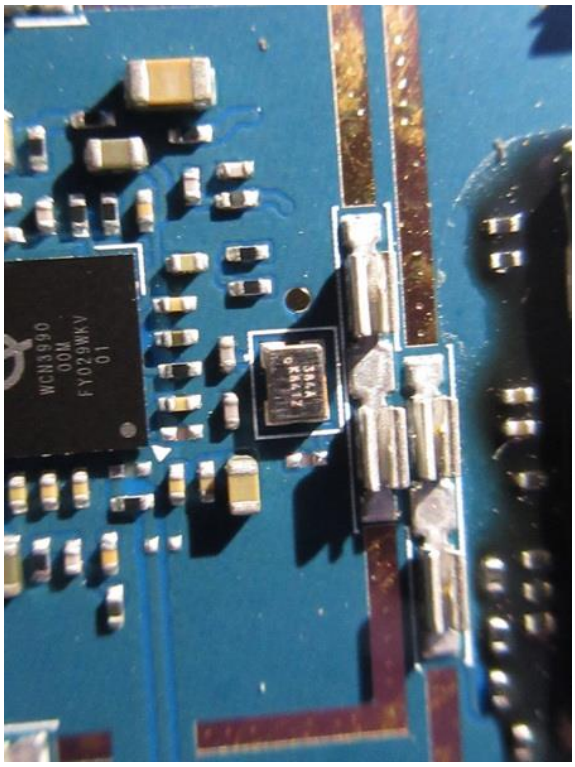


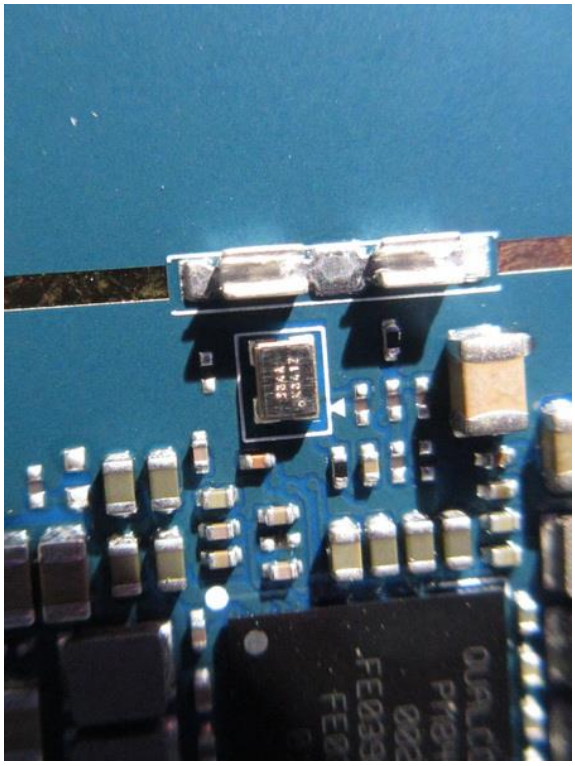


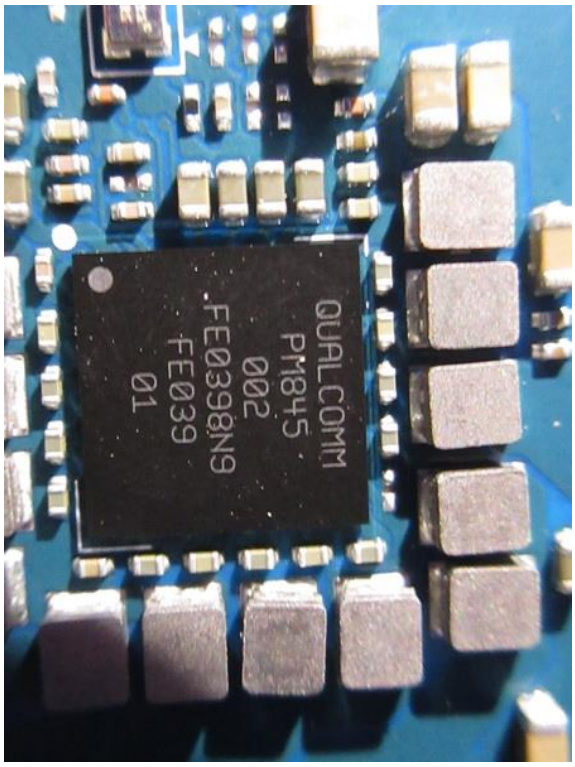

TURBOX™
Hidesk-845-SoM
Ver.02
CISCO
3220
P2A
WiFi/BT

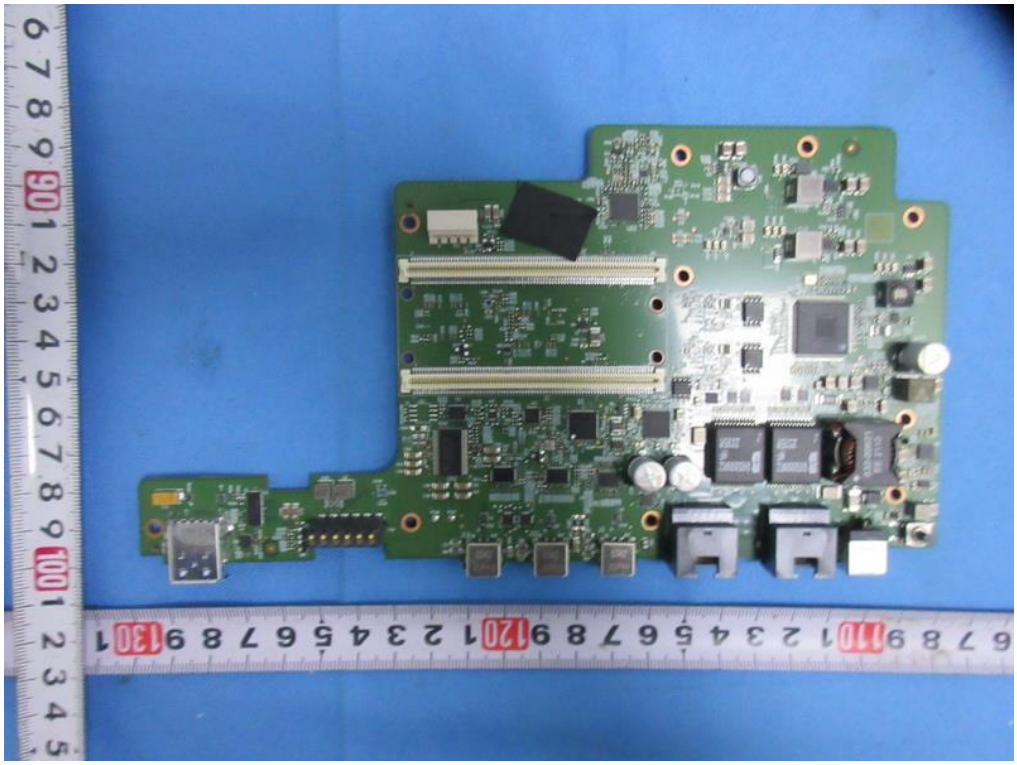


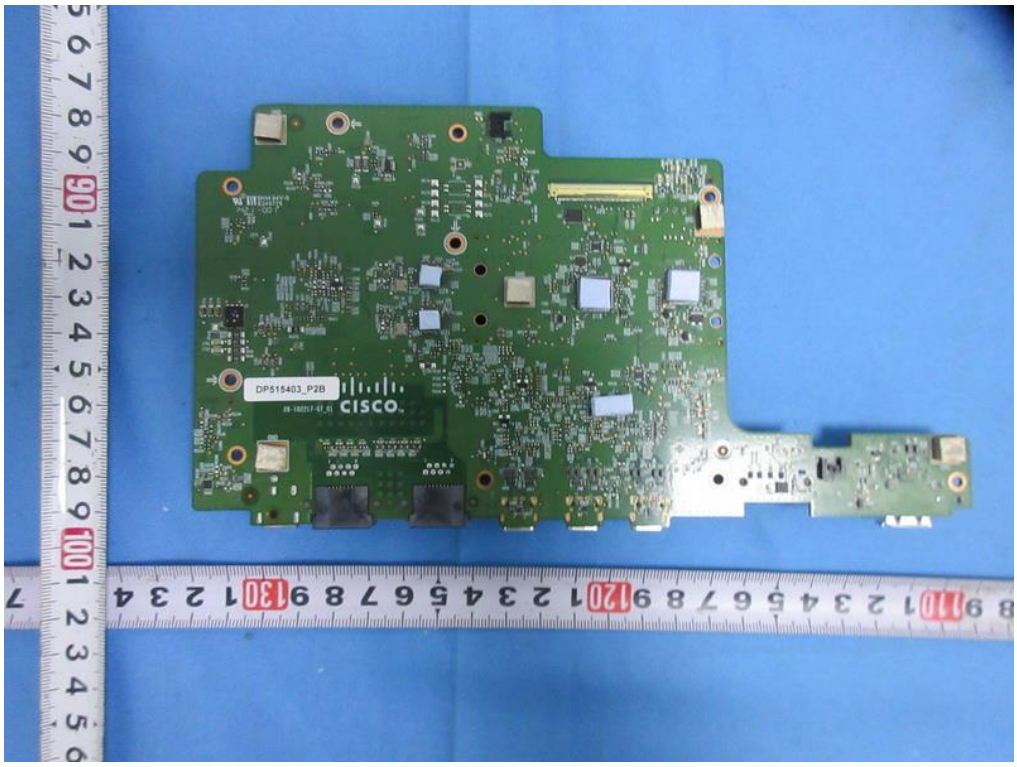

WCN3990
00M
FY0229MKV
01

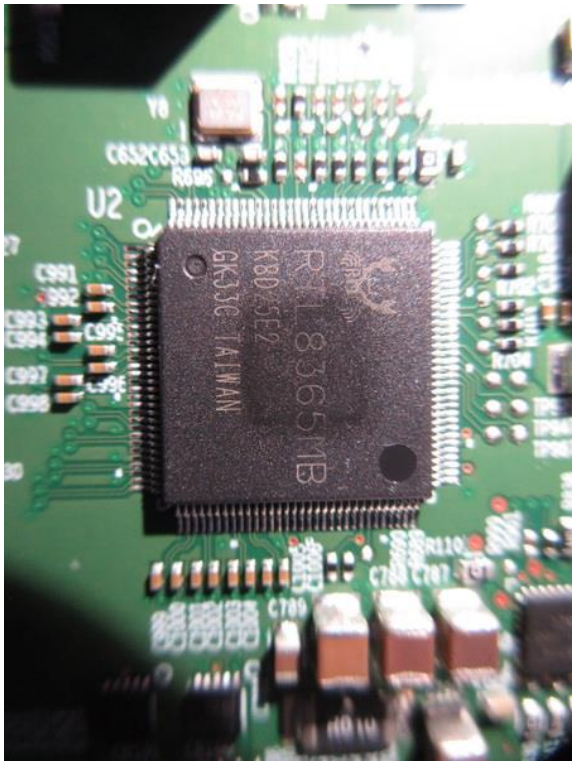

WCN3990
00M
FY0229MKV
01

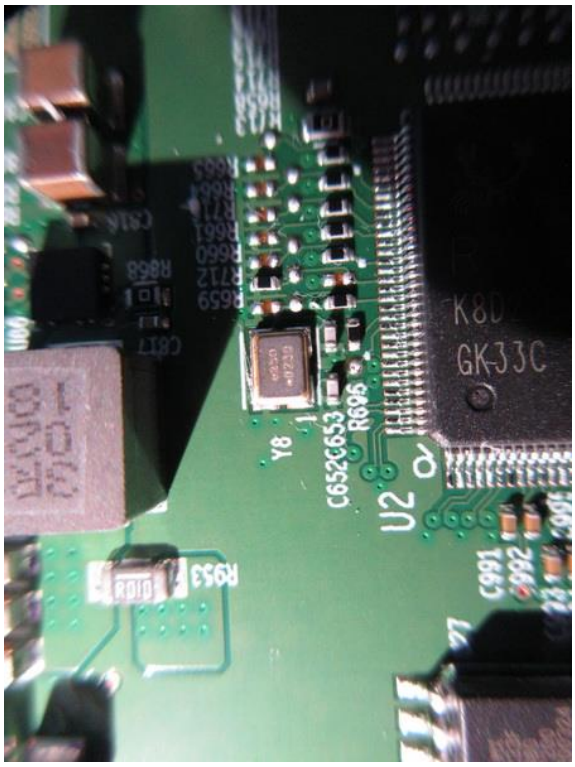


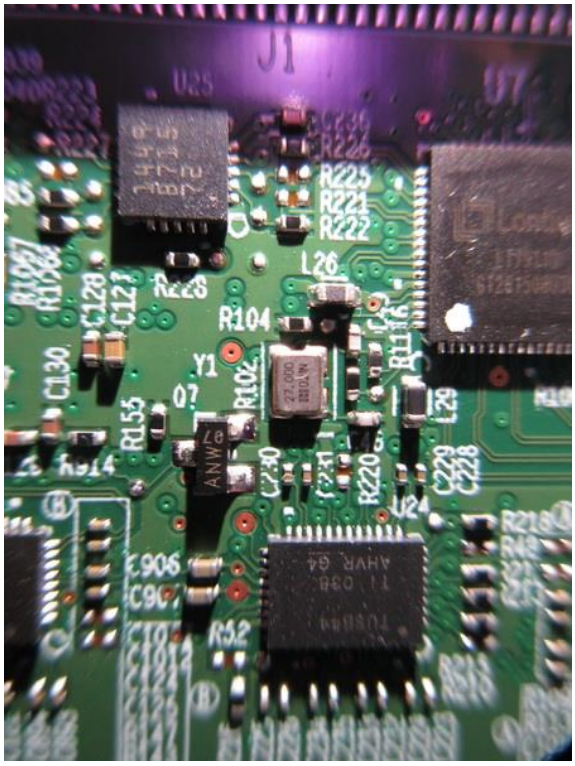

QUALCOMM
PM845
002
FE0398N9
FE039
01

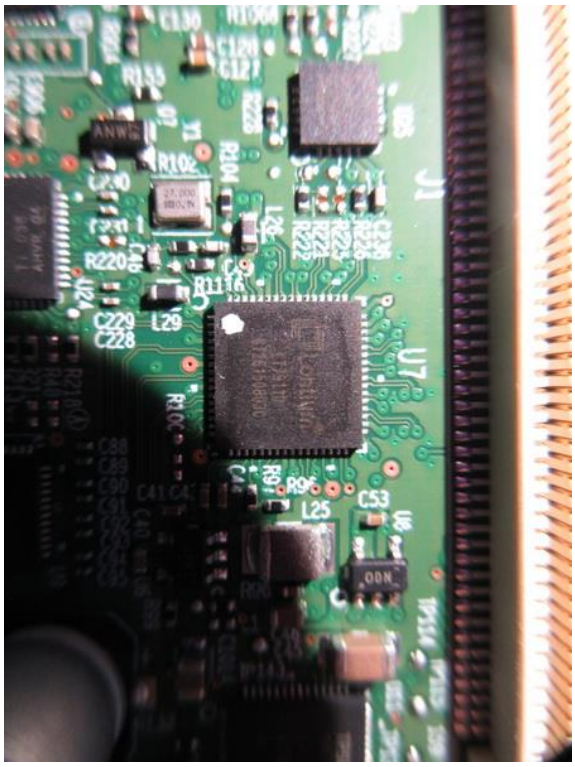


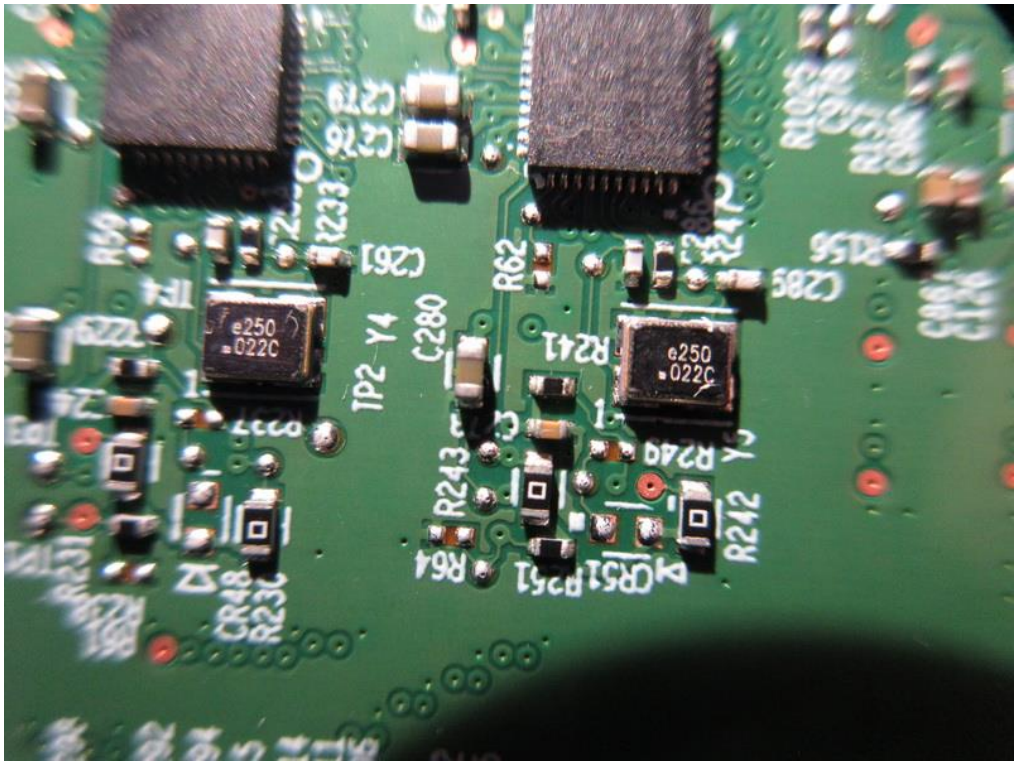

DP515403_P2B
CISCO.

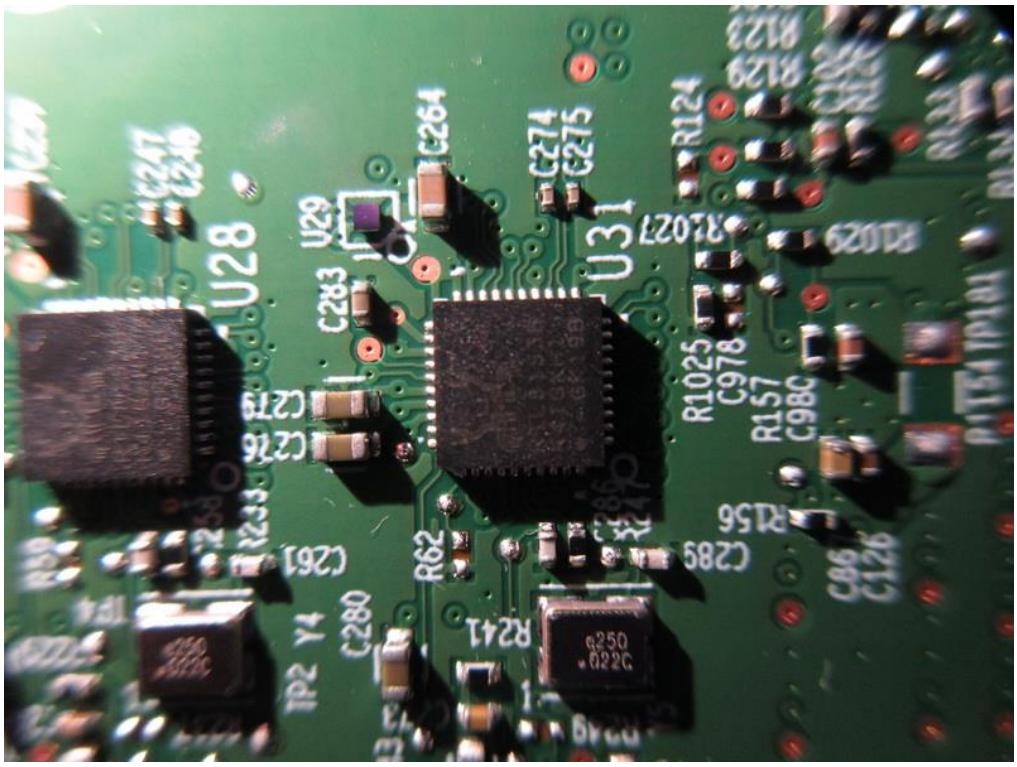

U2
RTL8366SB
GK33C TAIWAN

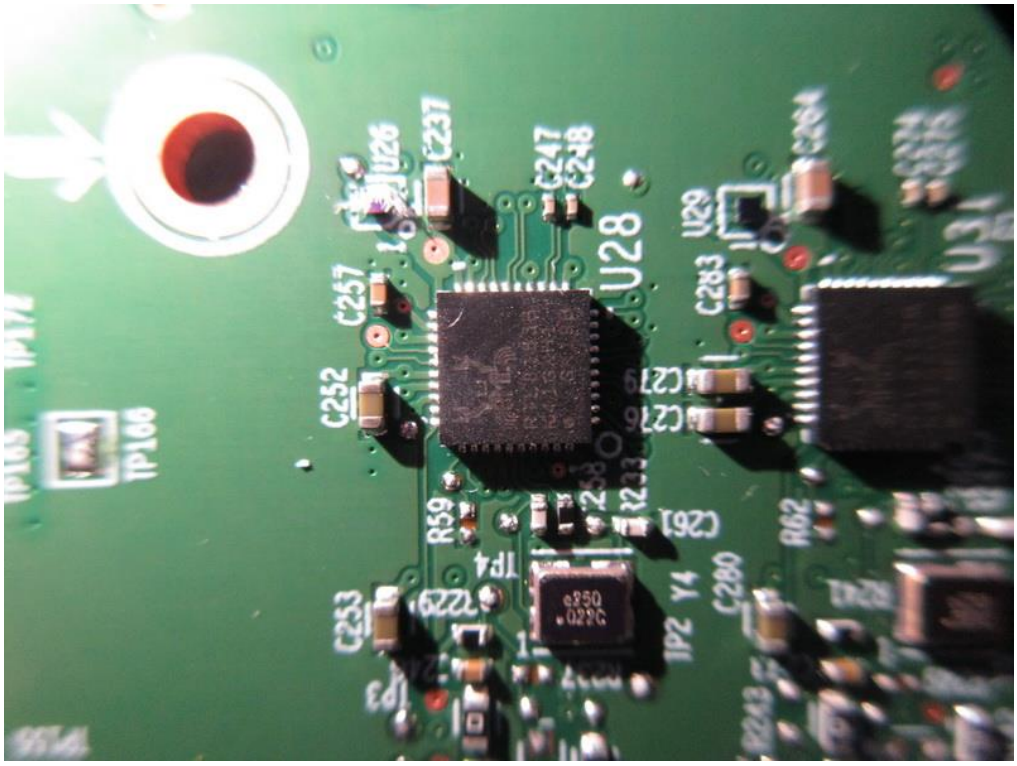

K8D
GK33C
U2

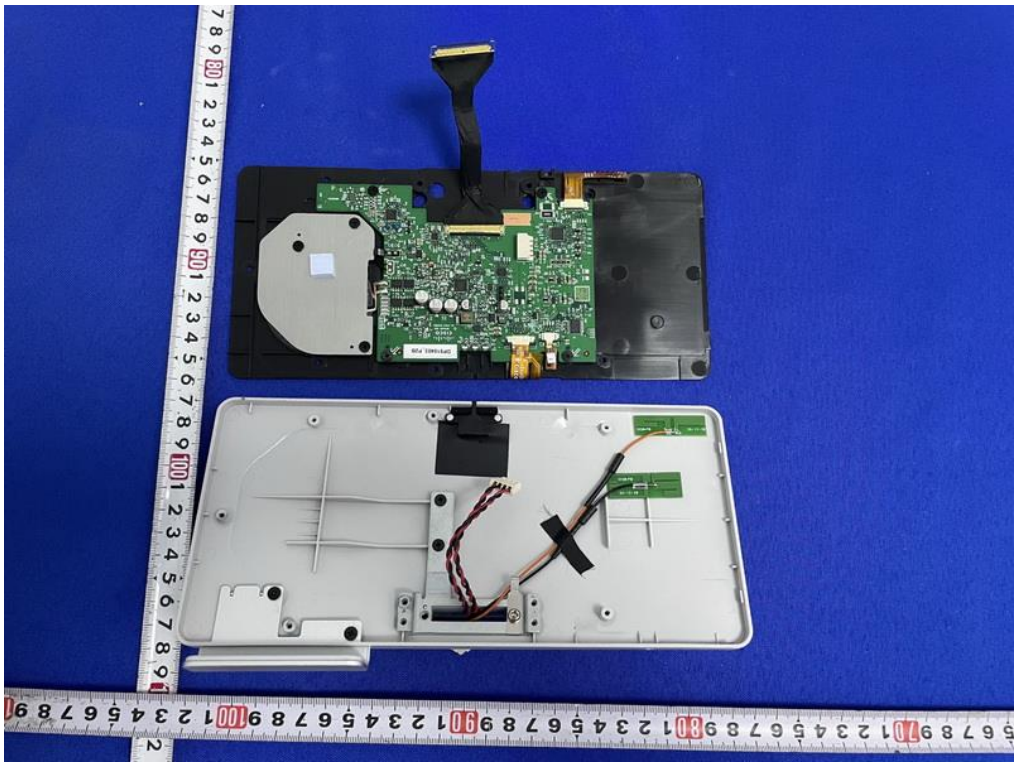

J1
U25
U7
R225
R221
R222
L26
R228
R104
C130
Y1
Q7
R102
R155
L29
C229
C228
R220
U24
C906
C907
R52

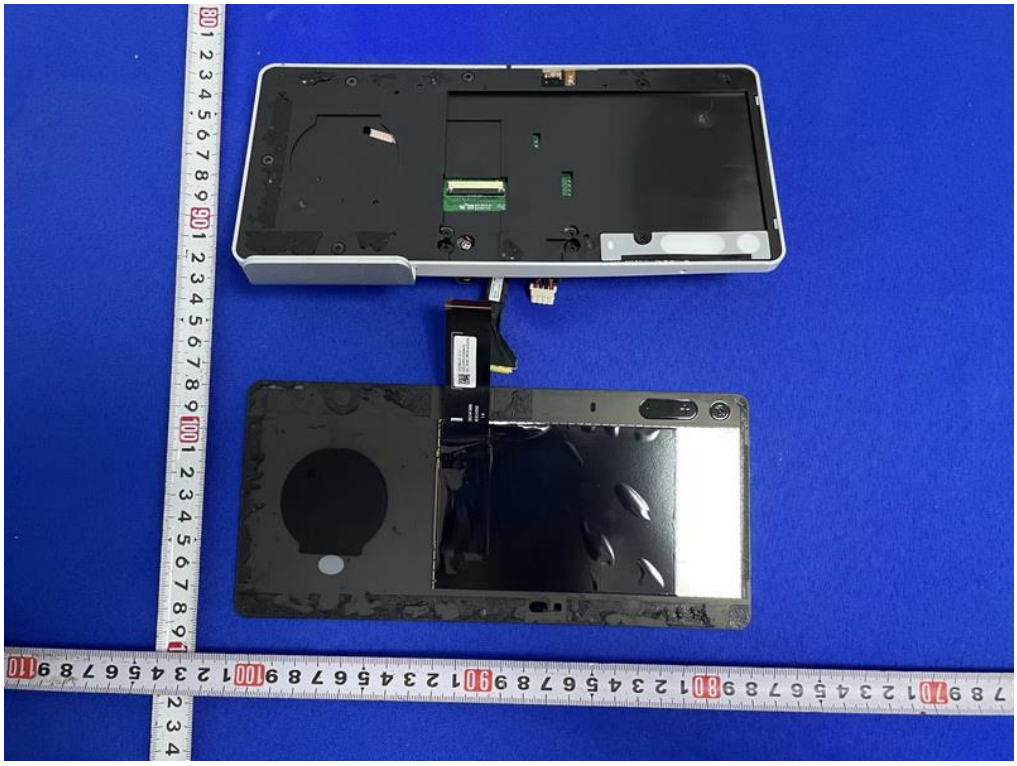

C130
C120
C127
R155
R102
R220
C229
C228
L29
U7
R96
C53
L25

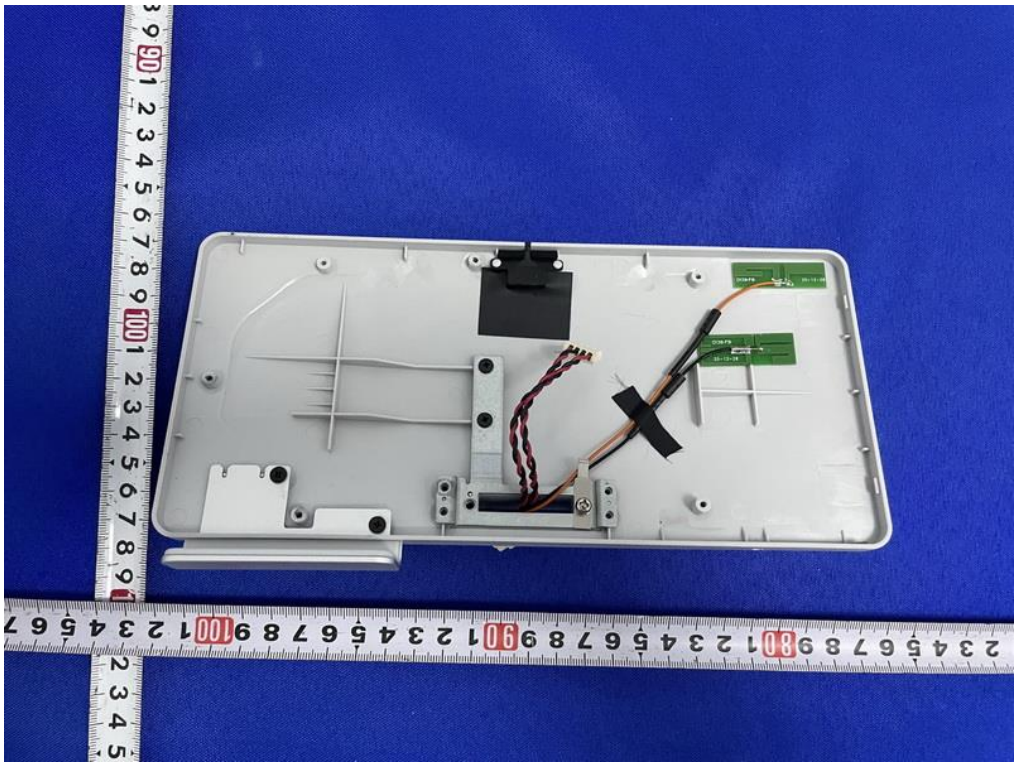

e250
.022C
R62
C280
TP2
Y4
R241
R243
R242
R240
C261
R233

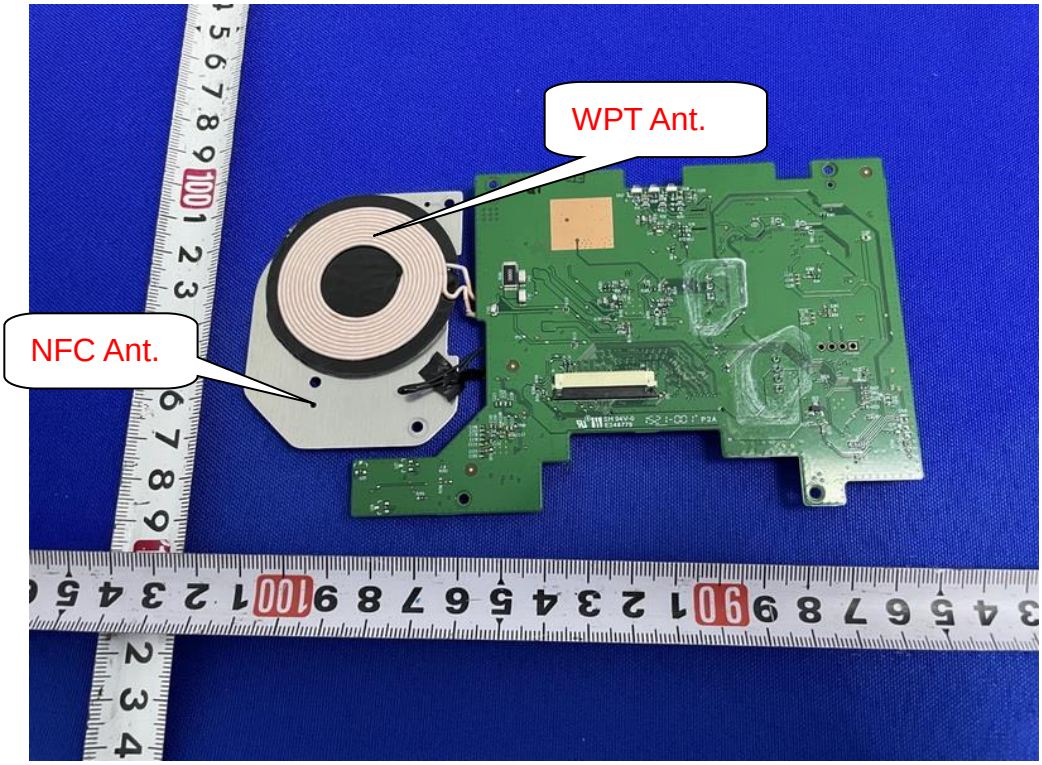

U28
U29
U31
C264
C274
C275
R124
C283
R1025
C978
R157
C980
R62
C280
TP2
Y4
R241
C261
R233
e250
.022C

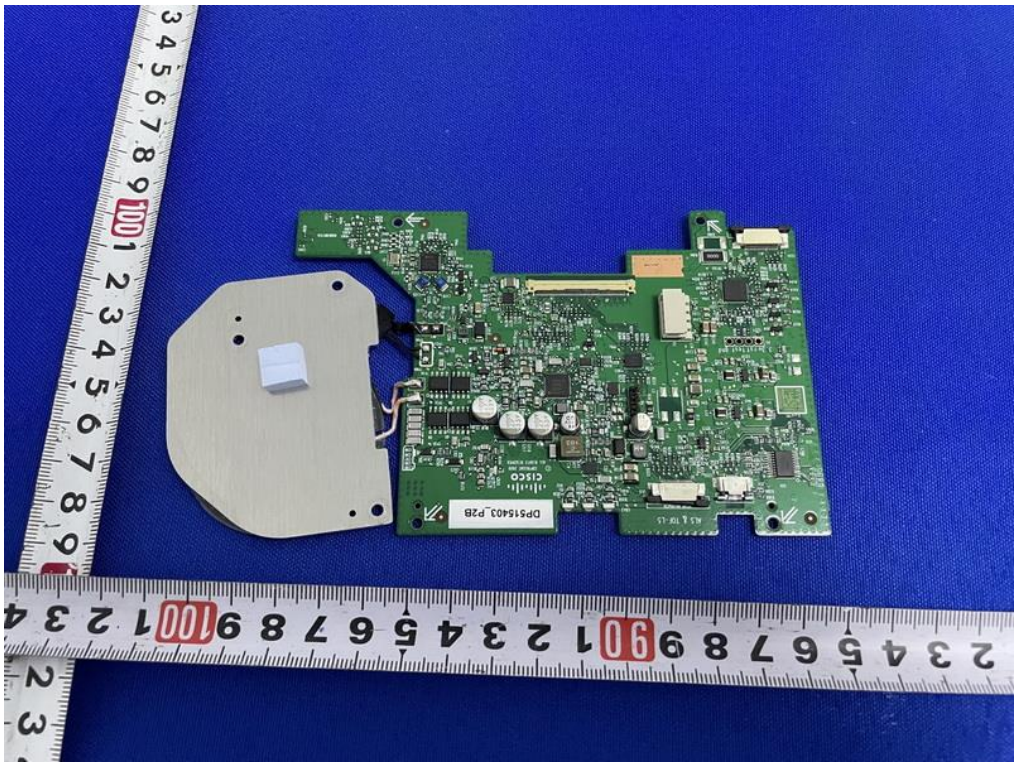

U28
C237
C247
C248
C257
C252
C283
C253
C280
R59
R62
TP4
TP2
Y4

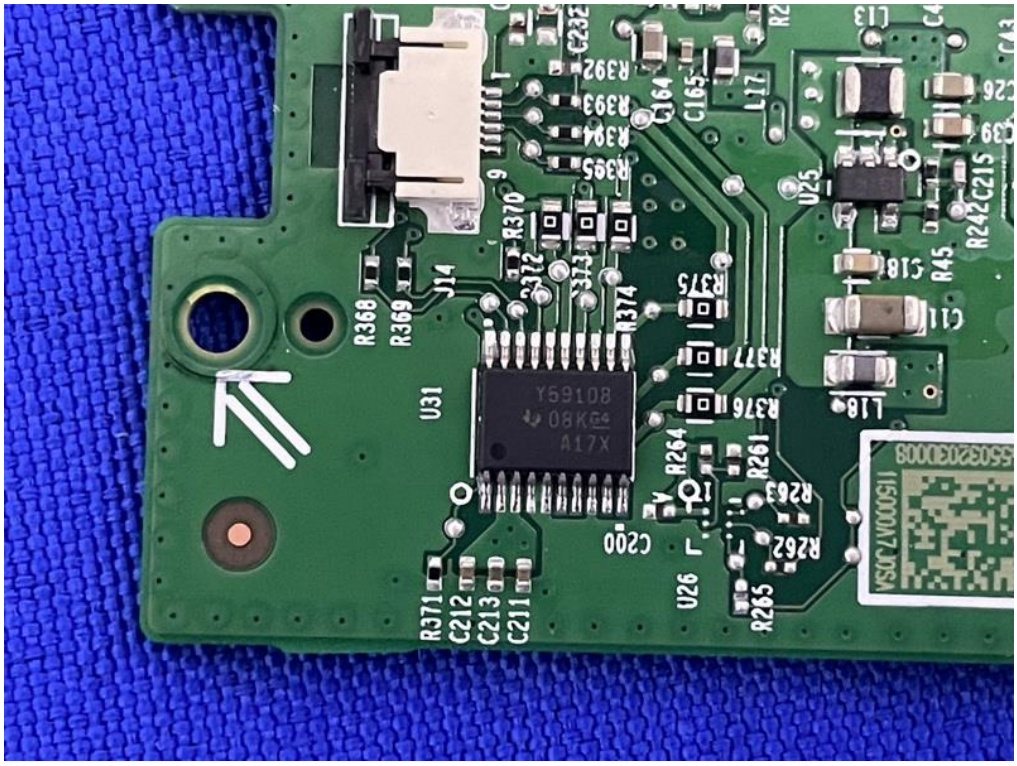


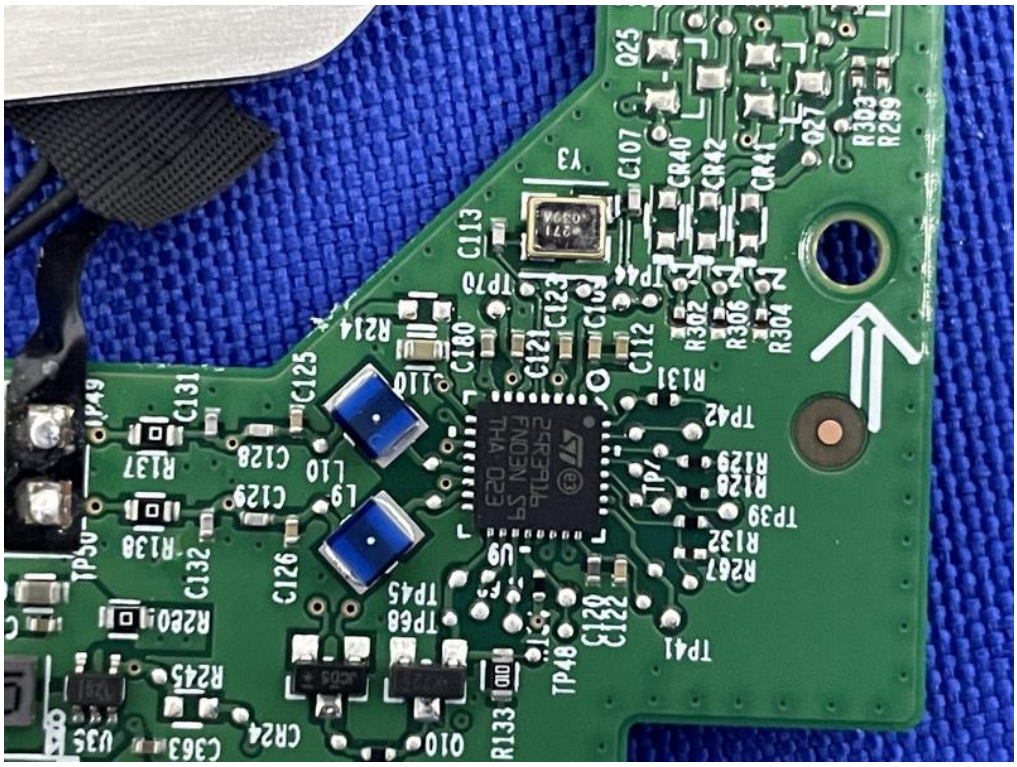


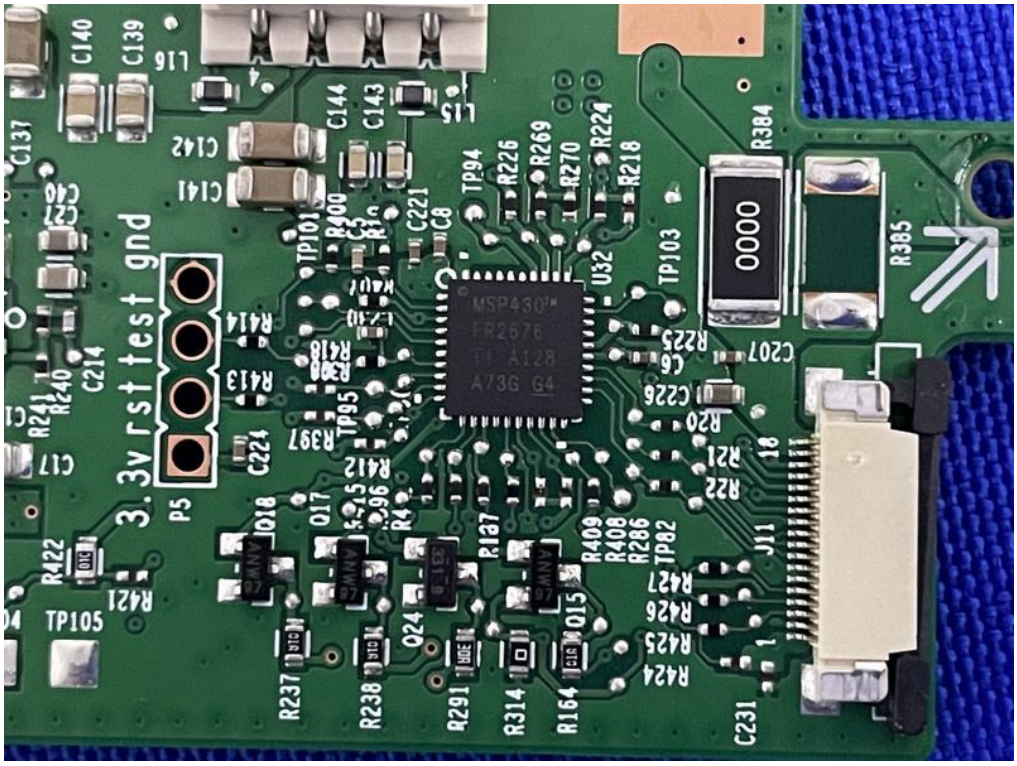


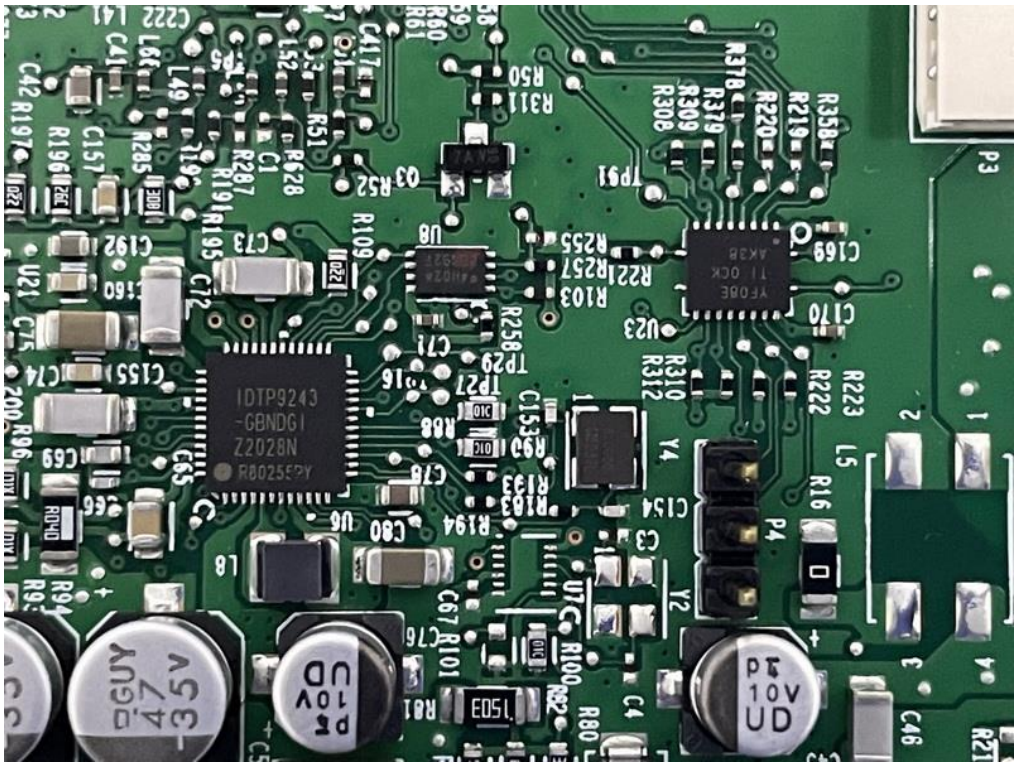

WPT Ant.
NFC Ant.




R392
R393
R394
R395
C164
C165
L17
U25
R242
C215
R45
C18
C11
L18
R370
R372
R373
R374
R375
R377
R376
R264
R261
R263
R262
C200
U26
R265
R368
R369
J14
U31
Y59108
08KG4
A17X
R371
C212
C213
C211


Q25
R303
R299
Y3
C107
CR40
CR42
CR41
C113
TP70
TP44
C123
C109
C121
C112
R302
R306
R304
R214
C180
L10
C125
R131
TP42
C131
TP49
R137
C128
L10
L9
C129
R129
TP39
R138
TP5
C132
C126
R132
R267
R220
TP45
TP68
U9
TP41
C120
C122
TP48
R245
C133
Q10
CR24
C363
U35


3.3v rst test gnd
P5
TP105
MSP430
FR2676
A73G G4
TP103
R384
R385
C140
C139
C137
C142
C141
C144
C143
C221
C8
TP94
R226
R269
R270
R224
R218
U32
C207
C226
R225
R20
R21
R22
J11
R422
R421
R237
R238
R291
R314
R164
R409
R408
R286
TP82
R427
R426
R425
R424
C231
Q24
Q15
R414
R413
R418
R397
TP95
R412
C224
C214
R240
R241
C17


IDTP9243
-GBNDGI
Z2028N
U8
U23
U6
U7
Y4
Y2
L5
P4
P3
R16
C169
C170
R222
R223
R312
R310
R257
R255
R103
TP91
TP29
TP27
R358
R309
R308
R220
R219
R311
R50
R52
R51
R109
R101
R100
C154
C153
C155
C160
C192
C73
C72
C74
C69
C65
C66
C67
C76
C80
C48
R194
R193
R133
R88
R93
R80
R82
R81
R94
R96
R200
R198
R197
R196
R195
R287
R288
C222
C221
C151
C152
C153
C154
C155
C156
C157
C158
C159
C160
C161
C162
C163
C164
C165
C166
C167
C168
C169
C170
C171
C172
C173
C174
C175
C176
C177
C178
C179
C180
C181
C182
C183
C184
C185
C186
C187
C188
C189
C190
C191
C192
C193
C194
C195
C196
C197
C198
C199
C200
C201
C202
C203
C204
C205
C206
C207
C208
C209
C210
C211
C212
C213
C214
C215
C216
C217
C218
C219
C220
C221
C222
C223
C224
C225
C226
C227
C228
C229
C230
C231
C232
C233
C234
C235
C236
C237
C238
C239
C240
C241
C242
C243
C244
C245
C246
C247
C248
C249
C250
C251
C252
C253
C254
C255
C256
C257
C258
C259
C260
C261
C262
C263
C264
C265
C266
C267
C268
C269
C270
C271
C272
C273
C274
C275
C276
C277
C278
C279
C280
C281
C282
C283
C284
C285
C286
C287
C288
C289
C290
C291
C292
C293
C294
C295
C296
C297
C298
C299
C300
C301
C302
C303
C304
C305
C306
C307
C308
C309
C310
C311
C312
C313
C314
C315
C316
C317
C318
C319
C320
C321
C322
C323
C324
C325
C326
C327
C328
C329
C330
C331
C332
C333
C334
C335
C336
C337
C338
C339
C340
C341
C342
C343
C344
C345
C346
C347
C348
C349
C350
C351
C352
C353
C354
C355
C356
C357
C358
C359
C360
C361
C362
C363
C364
C365
C366
C367
C368
C369
C370
C371
C372
C373
C374
C375
C376
C377
C378
C379
C380
C381
C382
C383
C384
C385
C386
C387
C388
C389
C390
C391
C392
C393
C394
C395
C396
C397
C398
C399
C400
C401
C402
C403
C404
C405
C406
C407
C408
C409
C410
C411
C412
C413
C414
C415
C416
C417
C418
C419
C420
C421
C422
C423
C424
C425
C426
C427
C428
C429
C430
C431
C432
C433
C434
C435
C436
C437
C438
C439
C440
C441
C442
C443
C444
C445
C446
C447
C448
C449
C450
C451
C452
C453
C454
C455
C456
C457
C458
C459
C460
C461
C462
C463
C464
C465
C466
C467
C468
C469
C470
C471
C472
C473
C474
C475
C476
C477
C478
C479
C480
C481
C482
C483
C484
C485
C486
C487
C488
C489
C490
C491
C492
C493
C494
C495
C496
C497
C498
C499
C500
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
C511
C512
C513
C514
C515
C516
C517
C518
C519
C520
C521
C522
C523
C524
C525
C526
C527
C528
C529
C530
C531
C532
C533
C534
C535
C536
C537
C538
C539
C540
C541
C542
C543
C544
C545
C546
C547
C548
C549
C550
C551
C552
C553
C554
C555
C556
C557
C558
C559
C560
C561
C562
C563
C564
C565
C566
C567
C568
C569
C570
C571
C572
C573
C574
C575
C576
C577
C578
C579
C580
C581
C582
C583
C584
C585
C586
C587
C588
C589
C590
C591
C592
C593
C594
C595
C596
C597
C598
C599
C600
C601
C602
C603
C604
C605
C606
C607
C608
C609
C610
C611
C612
C613
C614
C615
C616
C617
C618
C619
C620
C621
C622
C623
C624
C625
C626
C627
C628
C629
C630
C631
C632
C633
C634
C635
C636
C637
C638
C639
C640
C641
C642
C643
C644
C645
C646
C647
C648
C649
C650
C651
C652
C653
C654
C655
C656
C657
C658
C659
C660
C661
C662
C663
C664
C665
C666
C667
C668
C669
C670
C671
C672
C673
C674
C675
C676
C677
C678
C679
C680
C681
C682
C683
C684
C685
C686
C687
C688
C689
C690
C691
C692
C693
C694
C695
C696
C697
C698
C699
C700
C701
C702
C703
C704
C705
C706
C707
C708
C709
C710
C711
C712
C713
C714
C715
C716
C717
C718
C719
C720
C721
C722
C723
C724
C725
C726
C727
C728
C729
C730
C731
C732
C733
C734
C735
C736
C737
C738
C739
C740
C741
C742
C743
C744
C745
C746
C747
C748
C749
C750
C751
C752
C753
C754
C755
C756
C757
C758
C759
C760
C761
C762
C763
C764
C765
C766
C767
C768
C769
C770
C771
C772
C773
C774
C775
C776
C777
C778
C779
C780
C781
C782
C783
C784
C785
C786
C787
C788
C789
C790
C791
C792
C793
C794
C795
C796
C797
C798
C799
C800
C801
C802
C803
C804
C805
C806
C807
C808
C809
C810
C811
C812
C813
C814
C815
C816
C817
C818
C819
C820
C821
C822
C823
C824
C825
C826
C827
C828
C829
C830
C831
C832
C833
C834
C835
C836
C837
C838
C839
C840
C841
C842
C843
C844
C845
C846
C847
C848
C849
C850
C851
C852
C853
C854
C855
C856
C857
C858
C859
C860
C861
C862
C863
C864
C865
C866
C867
C868
C869
C870
C871
C872
C873
C874
C875
C876
C877
C878
C879
C880
C881
C882
C883
C884
C885
C886
C887
C888
C889
C890
C891
C892
C893
C894
C895
C896
C897
C898
C899
C900
C901
C902
C903
C904
C905
C906
C907
C908
C909
C910
C911
C912
C913
C914
C915
C916
C917
C918
C919
C920
C921
C922
C923
C924
C925
C926
C927
C928
C929
C930
C931
C932
C933
C934
C935
C936
C937
C938
C939
C940
C941
C942
C943
C944
C945
C946
C947
C948
C949
C950
C951
C952
C953
C954
C955
C956
C957
C958
C959
C960
C961
C962
C963
C964
C965
C966
C967
C968
C969
C970
C971
C972
C973
C974
C975
C976
C977
C978
C979
C980
C981
C982
C983
C984
C985
C986
C987
C988
C989
C990
C991
C992
C993
C994
C995
C996
C997
C998
C999
C1000