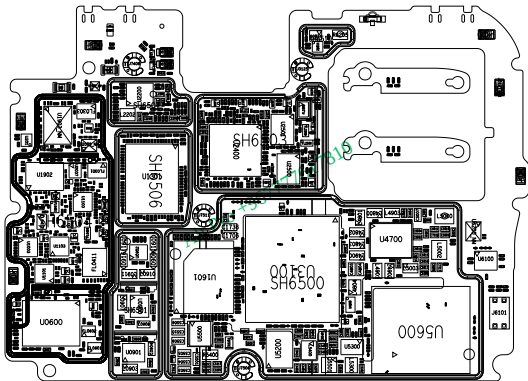
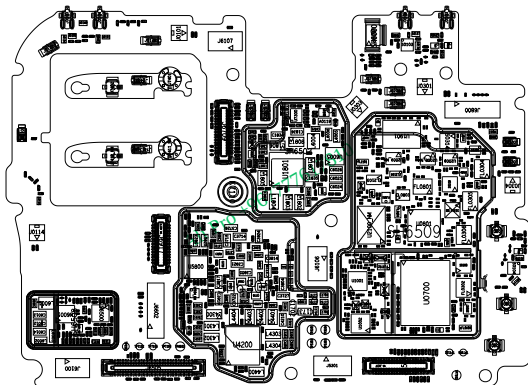
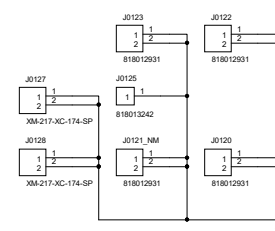
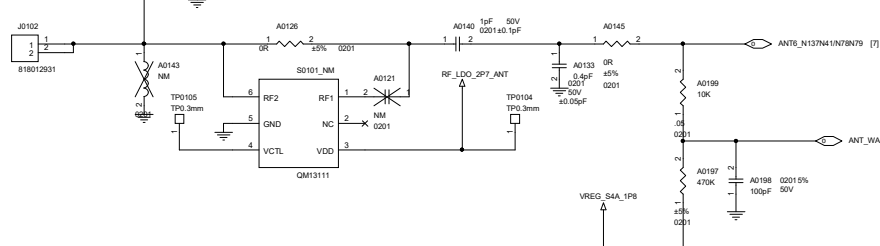
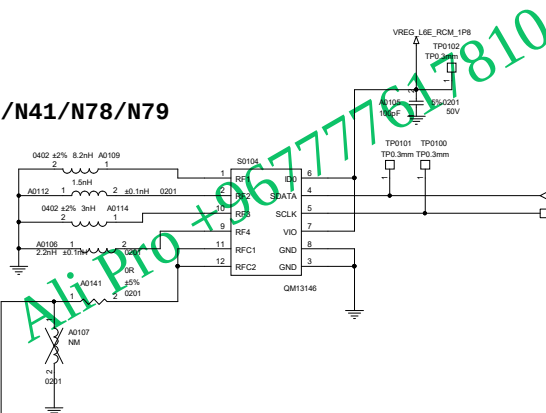
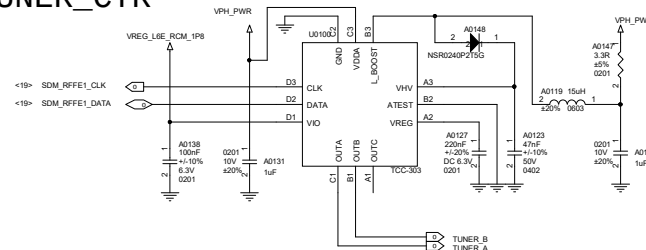
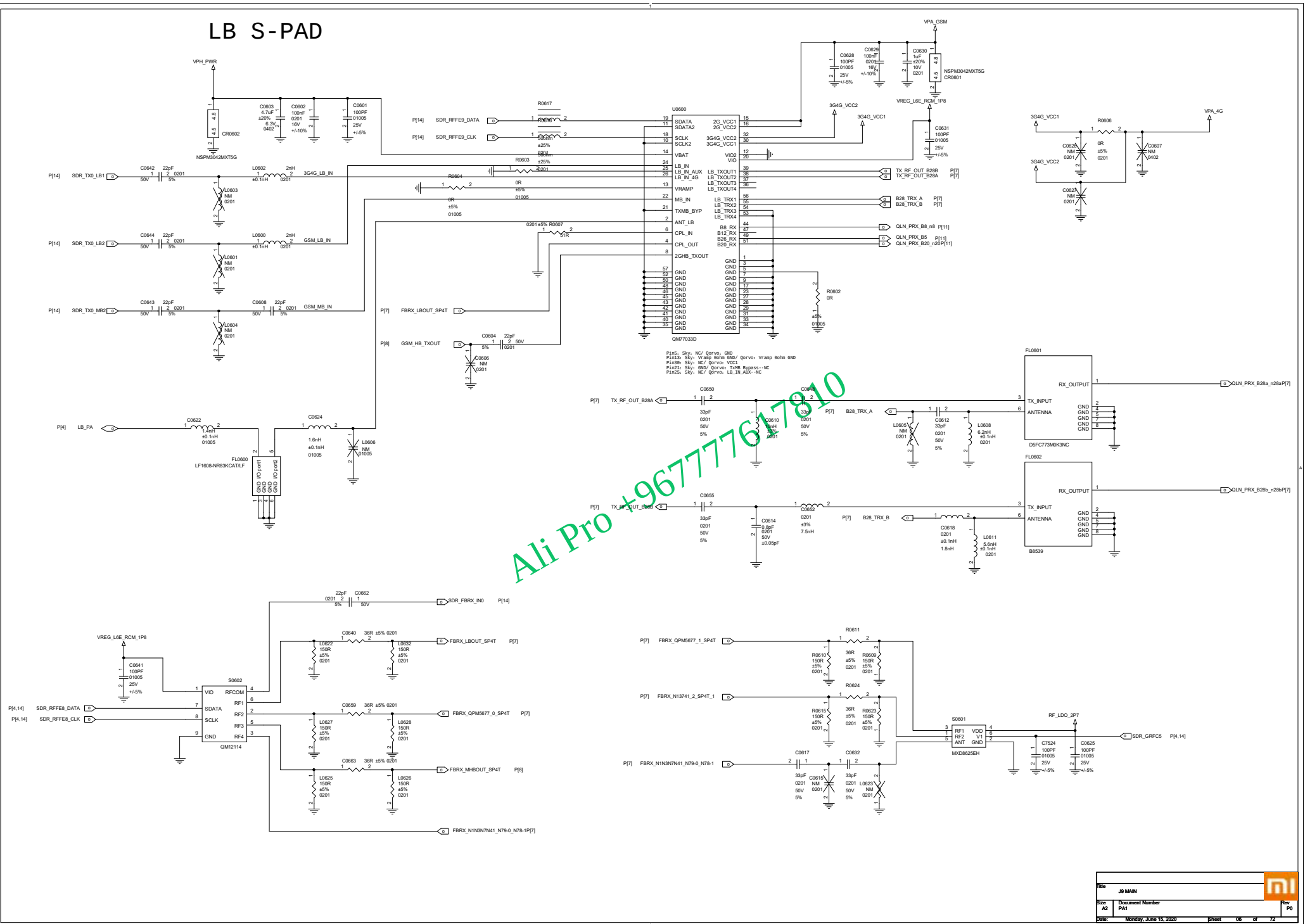








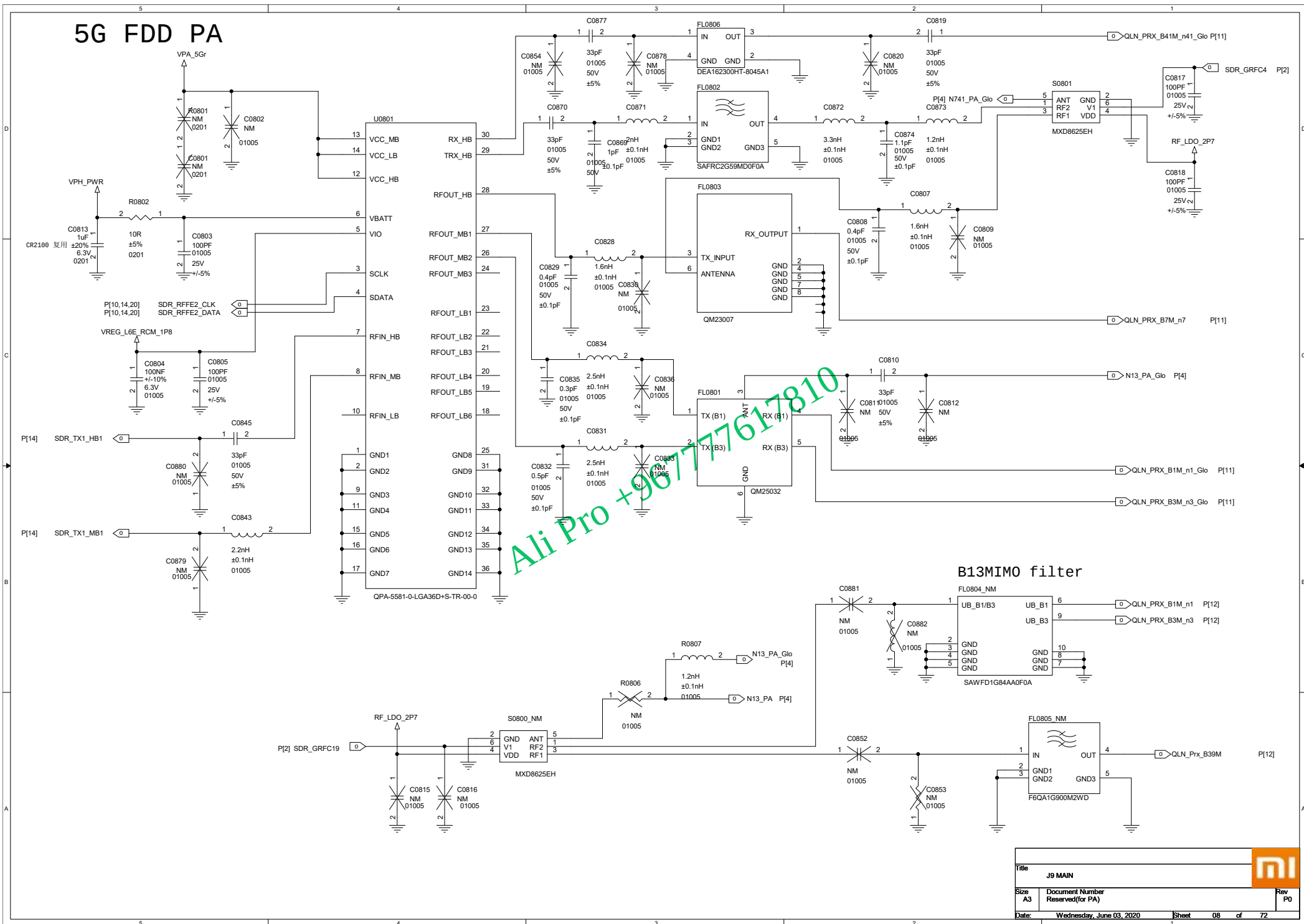
LB S-PAD



MHB S-PAD

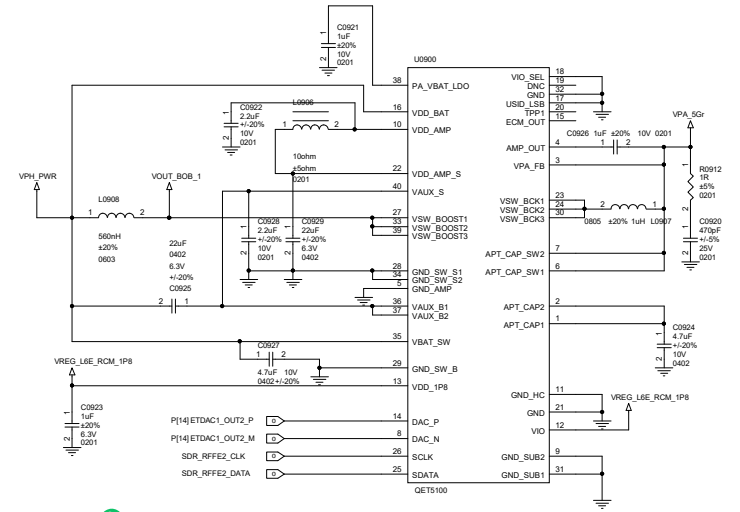
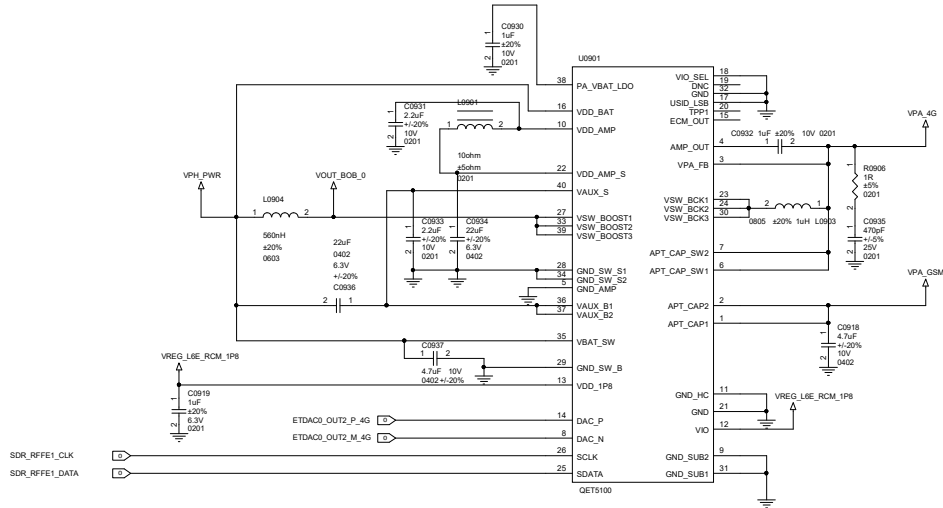
The diagram illustrates the PCB layout for the MHB S-PAD. It features a central IC with a detailed pinout, including power pins (VDD, VSS, VDD1, VSS1), control pins (SCL, I2C, SDA, SDB), and signal pins (TX, RX, TX1, RX1). The layout includes various passive components like resistors (R0700, R0701, R0702, R0703, R0704, R0705, R0706, R0707, R0708, R0709, R0710, R0711, R0712, R0713, R0714, R0715, R0716, R0717, R0718, R0719, R0720, R0721, R0722, R0723, R0724, R0725, R0726, R0727, R0728, R0729, R0730, R0731, R0732, R0733, R0734, R0735, R0736, R0737, R0738, R0739, R0740, R0741, R0742, R0743, R0744, R0745, R0746, R0747, R0748, R0749, R0750, R0751, R0752, R0753, R0754, R0755, R0756, R0757, R0758, R0759, R0760, R0761, R0762, R0763, R0764, R0765, R0766, R0767, R0768, R0769, R0770, R0771, R0772, R0773, R0774, R0775, R0776, R0777, R0778, R0779, R0780, R0781, R0782, R0783, R0784, R0785, R0786, R0787, R0788, R0789, R0790, R0791, R0792, R0793, R0794, R0795, R0796, R0797, R0798, R0799, R0800, R0801, R0802, R0803, R0804, R0805, R0806, R0807, R0808, R0809, R0810, R0811, R0812, R0813, R0814, R0815, R0816, R0817, R0818, R0819, R0820, R0821, R0822, R0823, R0824, R0825, R0826, R0827, R0828, R0829, R0830, R0831, R0832, R0833, R0834, R0835, R0836, R0837, R0838, R0839, R0840, R0841, R0842, R0843, R0844, R0845, R0846, R0847, R0848, R0849, R0850, R0851, R0852, R0853, R0854, R0855, R0856, R0857, R0858, R0859, R0860, R0861, R0862, R0863, R0864, R0865, R0866, R0867, R0868, R0869, R0870, R0871, R0872, R0873, R0874, R0875, R0876, R0877, R0878, R0879, R0880, R0881, R0882, R0883, R0884, R0885, R0886, R0887, R0888, R0889, R0890, R0891, R0892, R0893, R0894, R0895, R0896, R0897, R0898, R0899, R0900, R0901, R0902, R0903, R0904, R0905, R0906, R0907, R0908, R0909, R0910, R0911, R0912, R0913, R0914, R0915, R0916, R0917, R0918, R0919, R0920, R0921, R0922, R0923, R0924, R0925, R0926, R0927, R0928, R0929, R0930, R0931, R0932, R0933, R0934, R0935, R0936, R0937, R0938, R0939, R0940, R0941, R0942, R0943, R0944, R0945, R0946, R0947, R0948, R0949, R0950, R0951, R0952, R0953, R0954, R0955, R0956, R0957, R0958, R0959, R0960, R0961, R0962, R0963, R0964, R0965, R0966, R0967, R0968, R0969, R0970, R0971, R0972, R0973, R0974, R0975, R0976, R0977, R0978, R0979, R0980, R0981, R0982, R0983, R0984, R0985, R0986, R0987, R0988, R0989, R0990, R0991, R0992, R0993, R0994, R0995, R0996, R0997, R0998, R0999, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073, R1074, R1075, R1076, R1077, R1078, R1079, R1080, R1081, R1082, R1083, R1084, R1085, R1086, R1087, R1088, R1089, R1090, R1091, R1092, R1093, R1094, R1095, R1096, R1097, R1098, R1099, R1100, R1101, R1102, R1103, R1104, R1105, R1106, R1107, R1108, R1109, R1110, R1111, R1112, R1113, R1114, R1115, R1116, R1117, R1118, R1119, R1120, R1121, R1122, R1123, R1124, R1125, R1126, R1127, R1128, R1129, R1130, R1131, R1132, R1133, R1134, R1135, R1136, R1137, R1138, R1139, R1140, R1141, R1142, R1143, R1144, R1145, R1146, R1147, R1148, R1149, R1150, R1151, R1152, R1153, R1154, R1155, R1156, R1157, R1158, R1159, R1160, R1161, R1162, R1163, R1164, R1165, R1166, R1167, R1168, R1169, R1170, R1171, R1172, R1173, R1174, R1175, R1176, R1177, R1178, R1179, R1180, R1181, R1182, R1183, R1184, R1185, R1186, R1187, R1188, R1189, R1190, R1191, R1192, R1193, R1194, R1195, R1196, R1197, R1198, R1199, R1200, R1201, R1202, R1203, R1204, R1205, R1206, R1207, R1208, R1209, R1210, R1211, R1212, R1213, R1214, R1215, R1216, R1217, R1218, R1219, R1220, R1221, R1222, R1223, R1224, R1225, R1226, R1227, R1228, R1229, R1230, R1231, R1232, R1233, R1234, R1235, R1236, R1237, R1238, R1239, R1240, R1241, R1242, R1243, R1244, R1245, R1246, R1247, R1248, R1249, R1250, R1251, R1252, R1253, R1254, R1255, R1256, R1257, R1258, R1259, R1260, R1261, R1262, R1263, R1264, R1265, R1266, R1267, R1268, R1269, R1270, R1271, R1272, R1273, R1274, R1275, R1276, R1277, R1278, R1279, R1280, R1281, R1282, R1283, R1284, R1285, R1286, R1287, R1288, R1289, R1290, R1291, R1292, R1293, R1294, R1295, R1296, R1297, R1298, R1299, R1300, R1301, R1302, R1303, R1304, R1305, R1306, R1307, R1308, R1309, R1310, R1311, R1312, R1313, R1314, R1315, R1316, R1317, R1318, R1319, R1320, R1321, R1322, R1323, R1324, R1325, R1326, R1327, R1328, R1329, R1330, R1331, R1332, R1333, R1334, R1335, R1336, R1337, R1338, R1339, R1340, R1341, R1342, R1343, R1344, R1345, R1346, R1347, R1348, R1349, R1350, R1351, R1352, R1353, R1354, R1355, R1356, R1357, R1358, R1359, R1360, R1361, R13

5G FDD PA

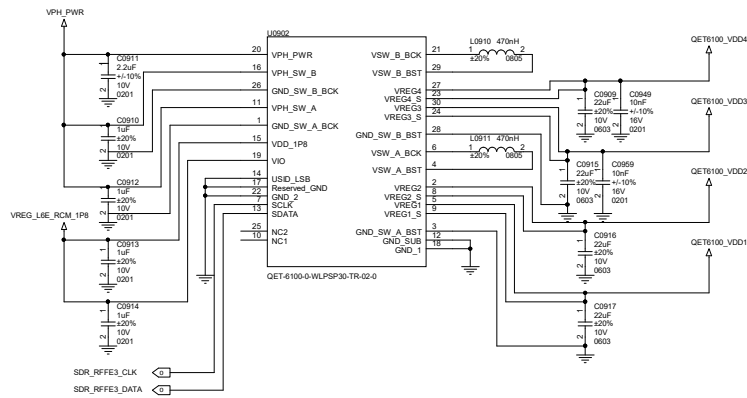


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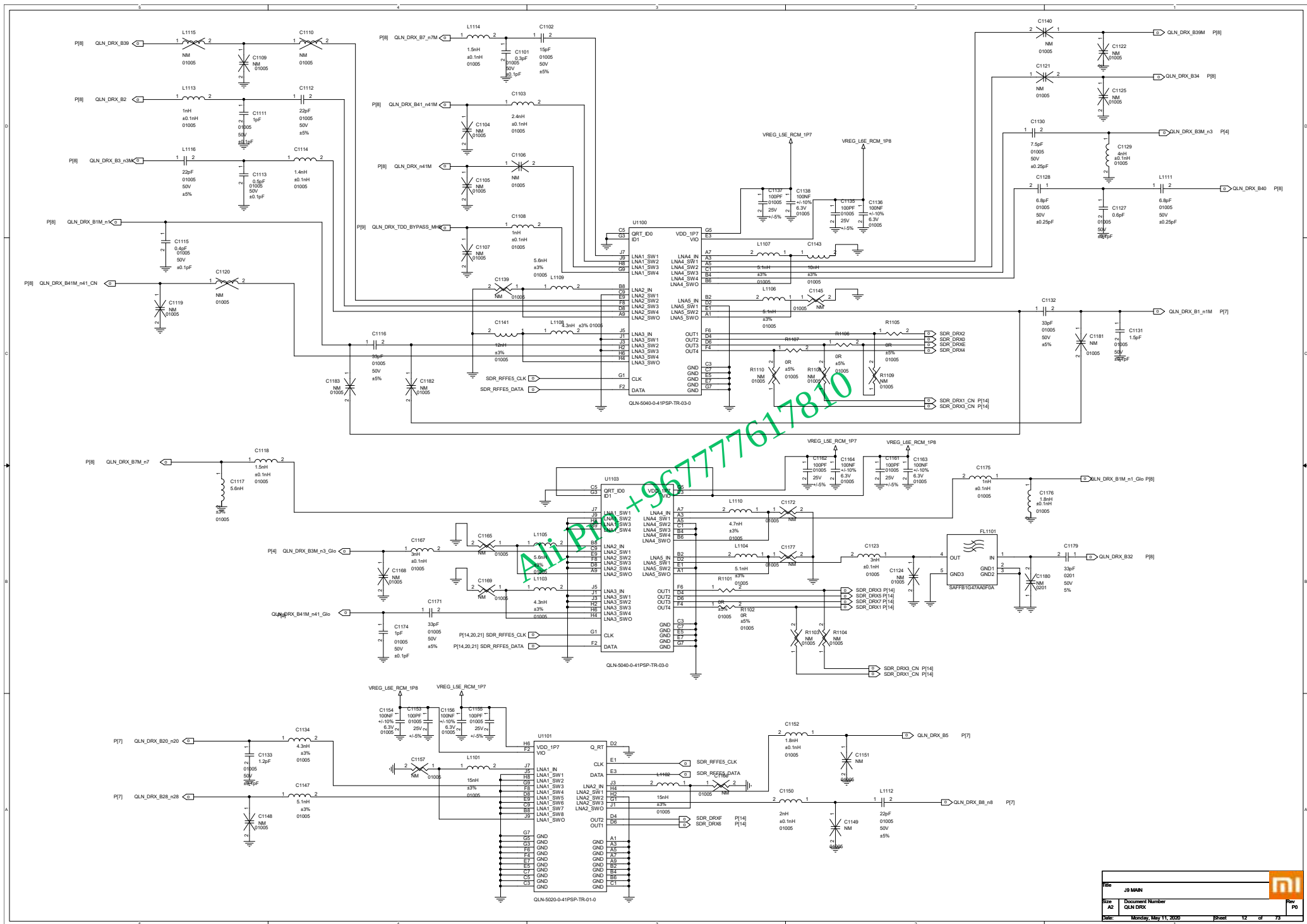
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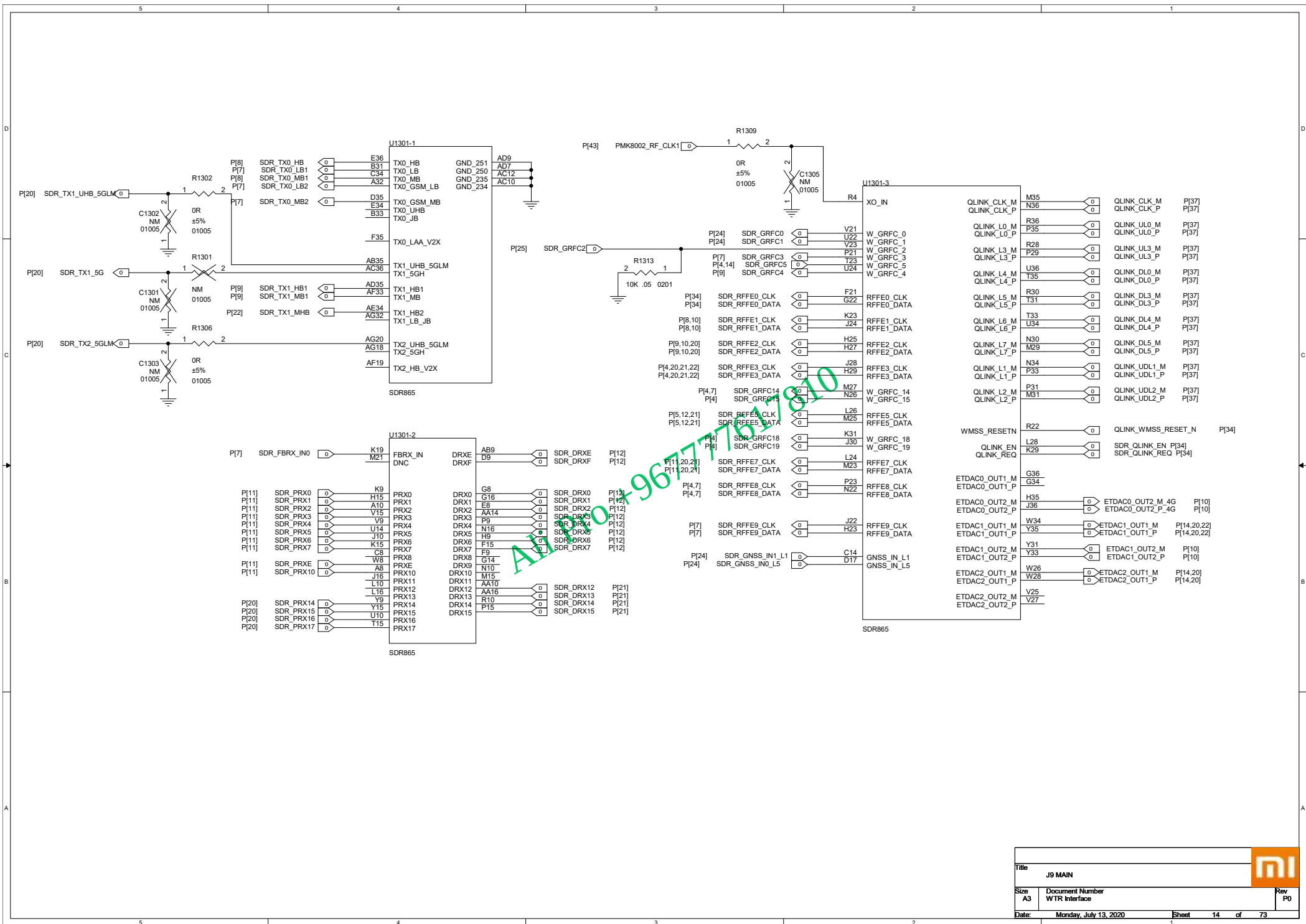


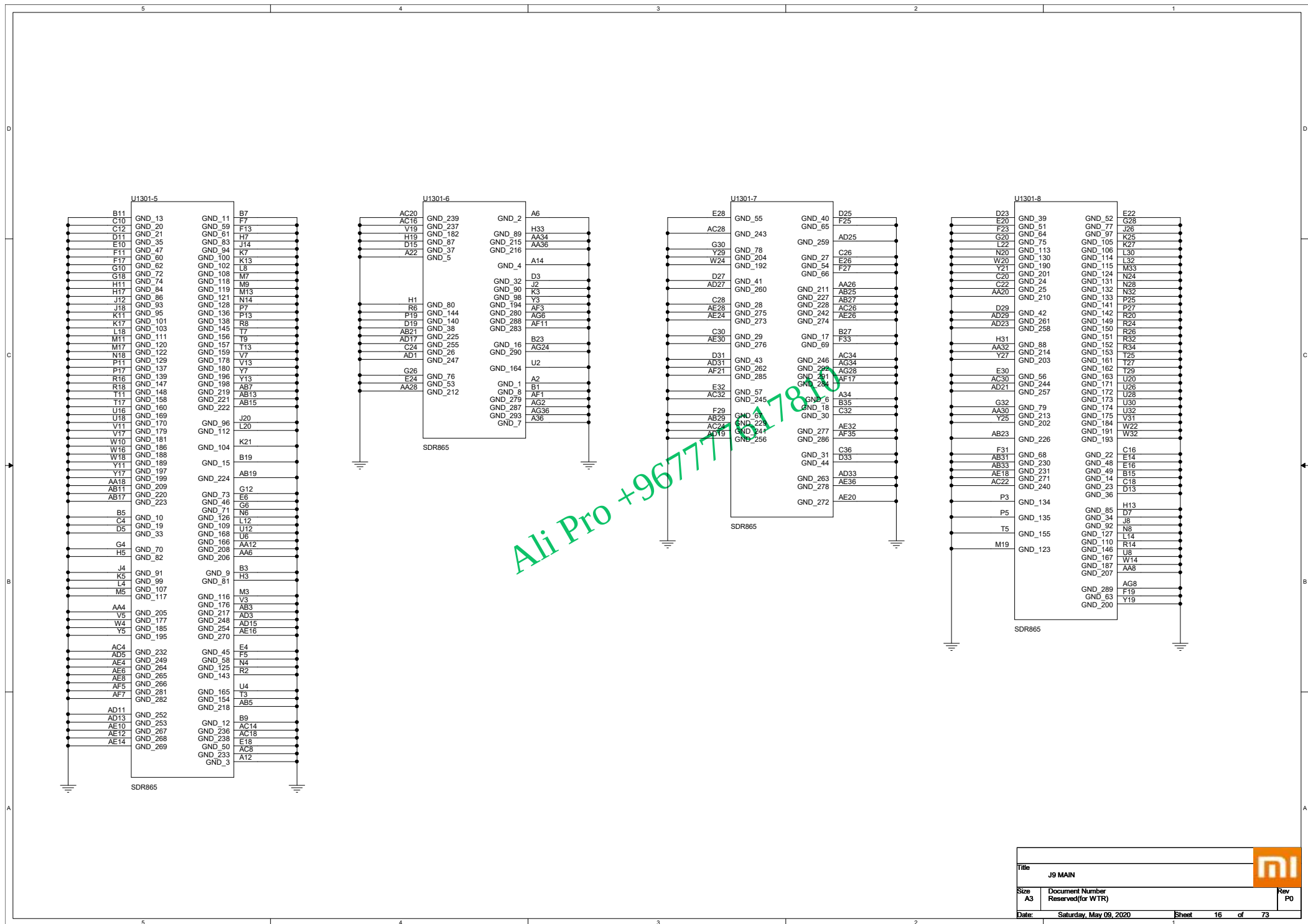
DC FOR 5G

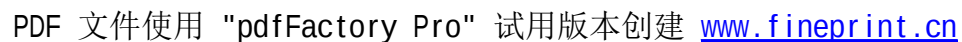


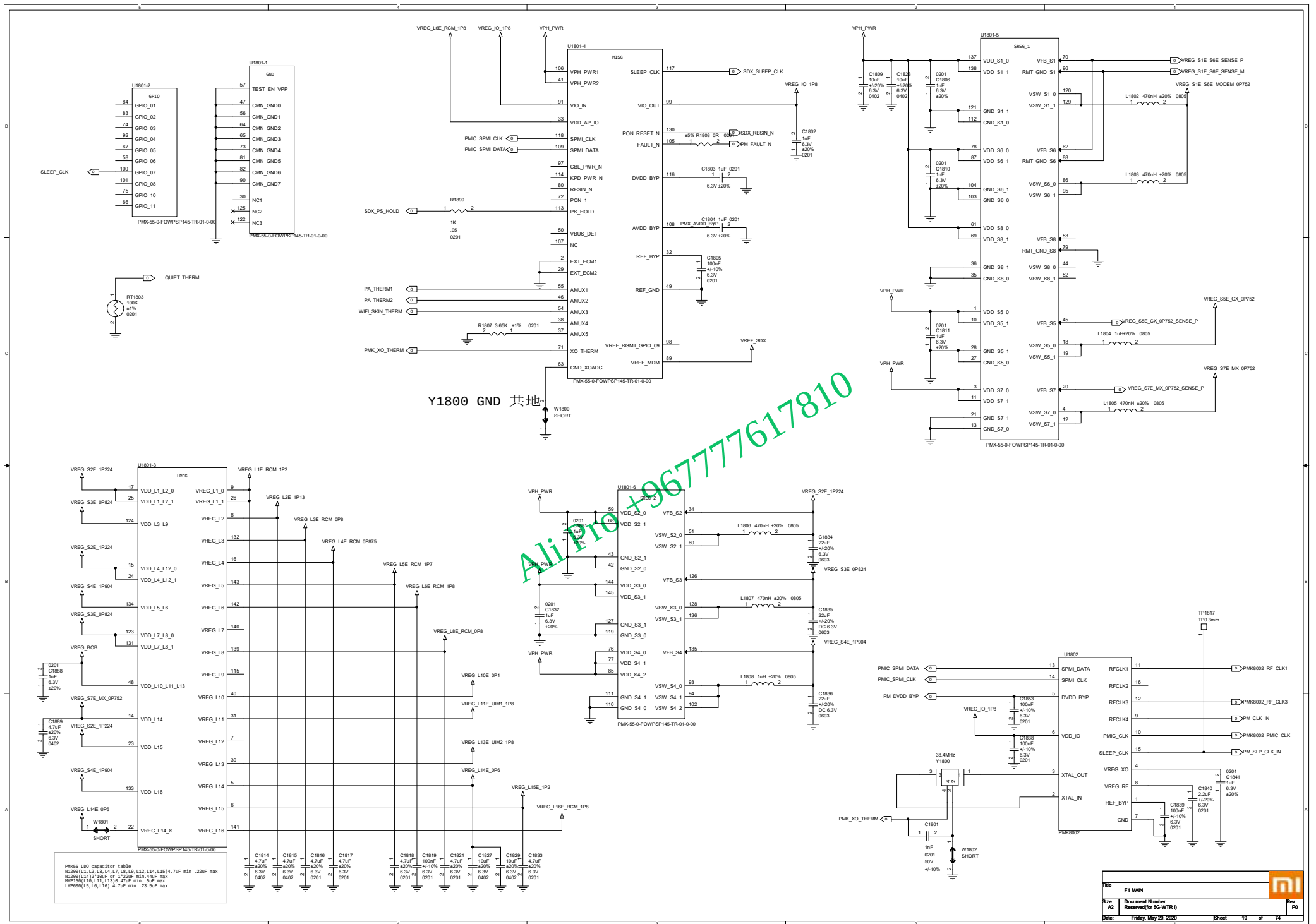
Ali Pro +967777617810

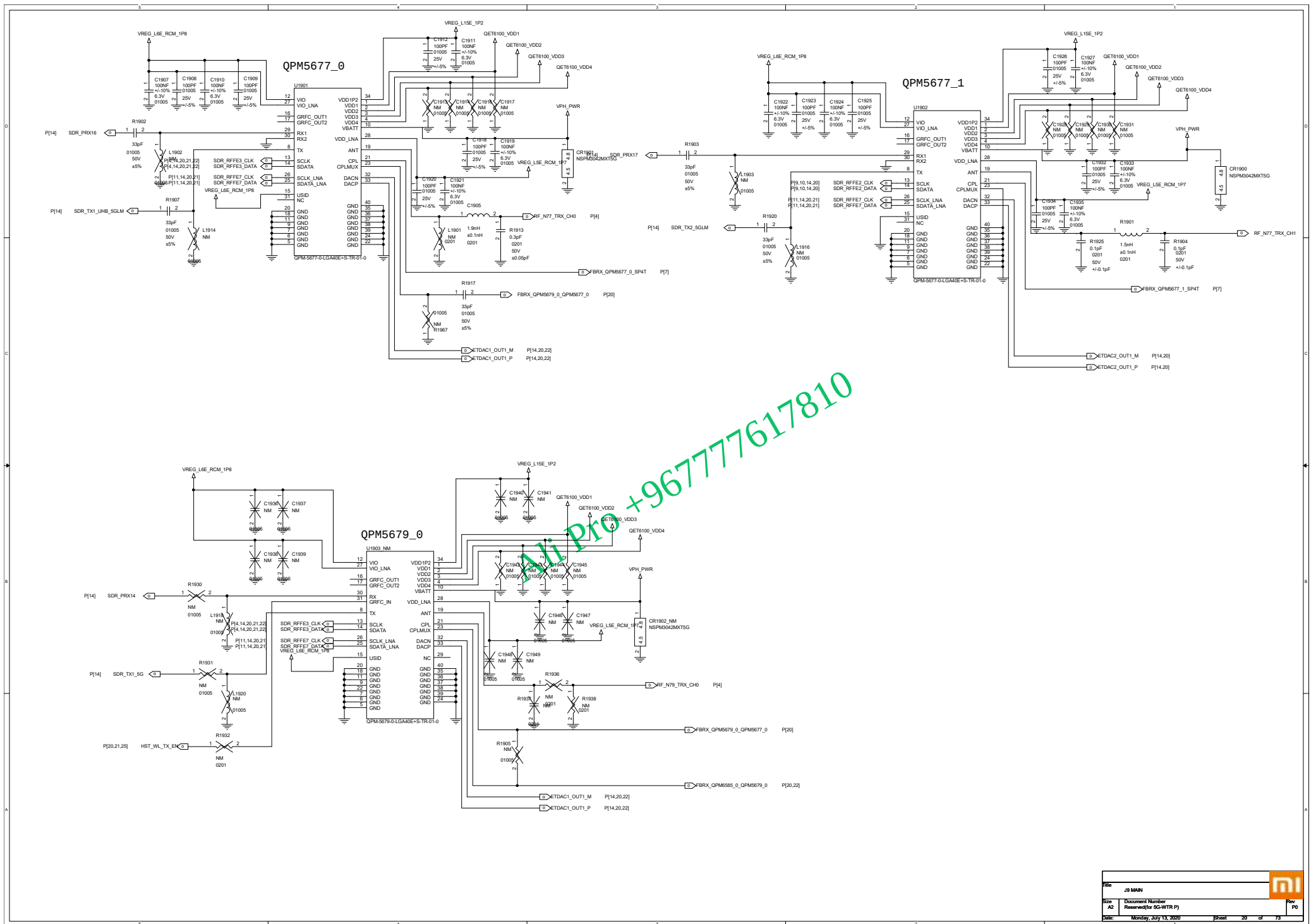


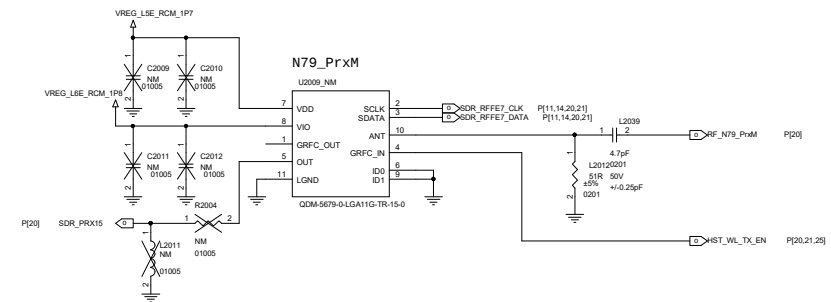
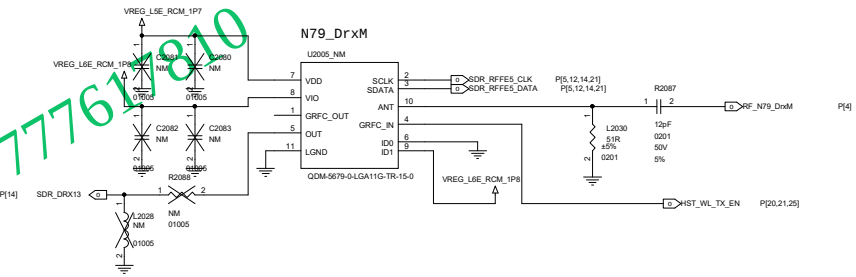
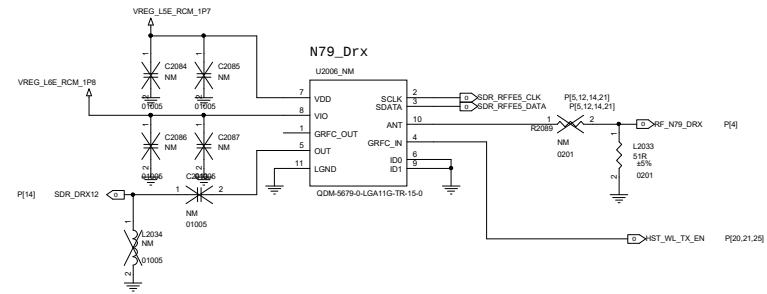


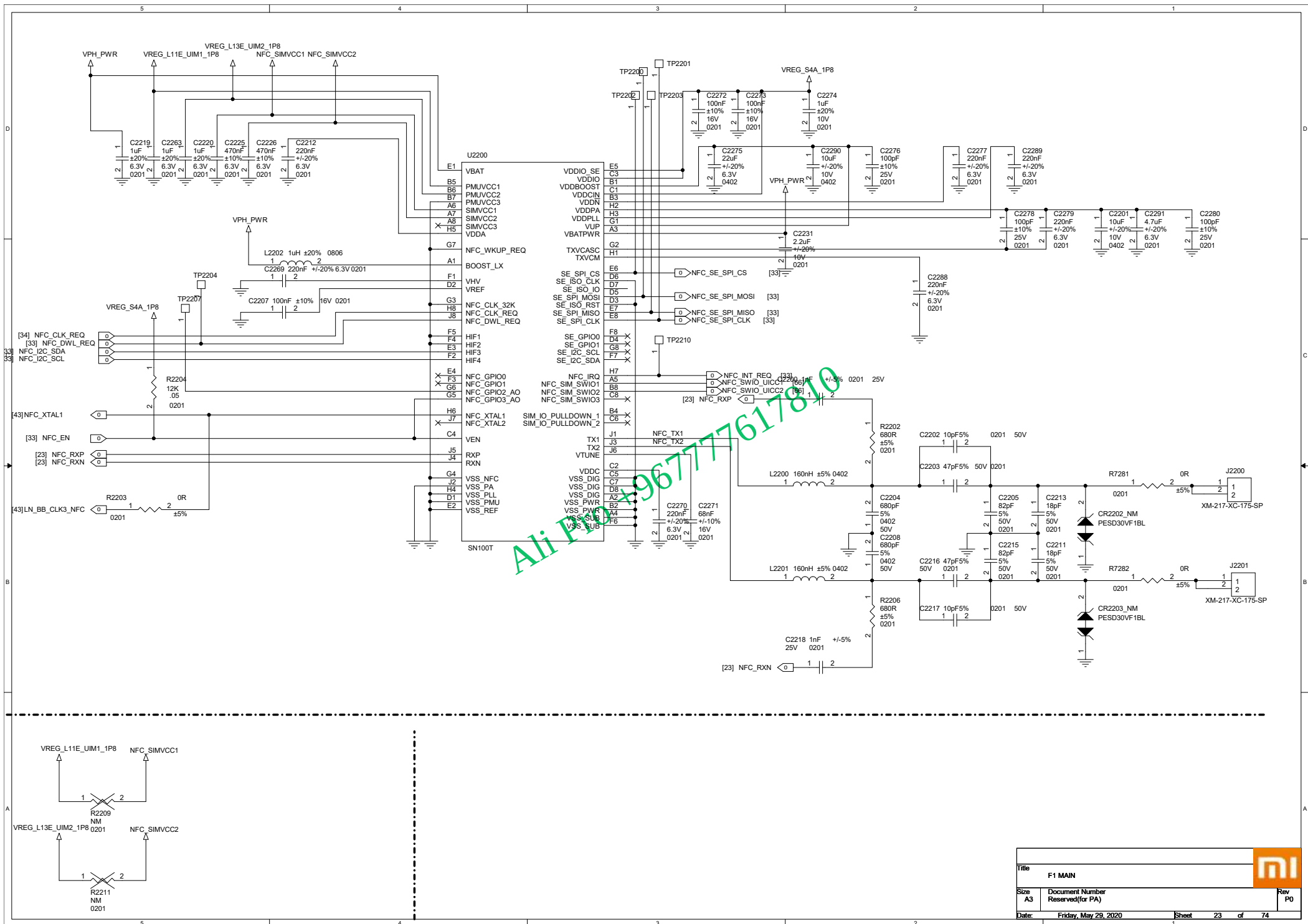




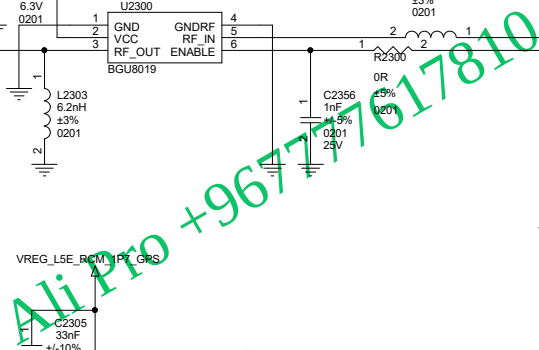


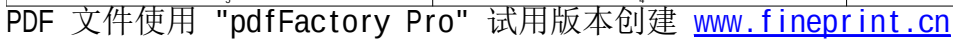


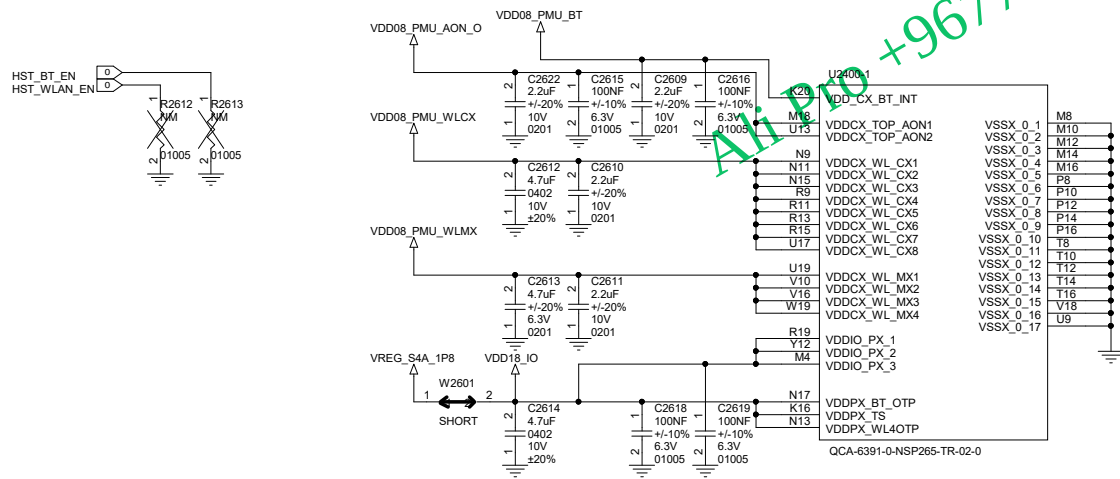
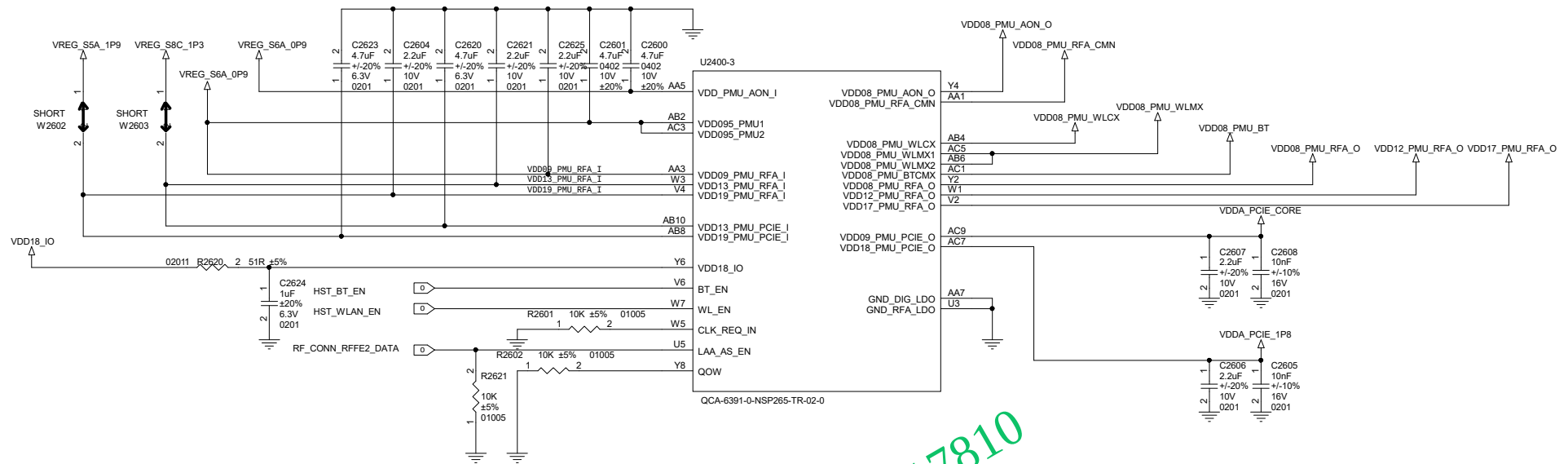




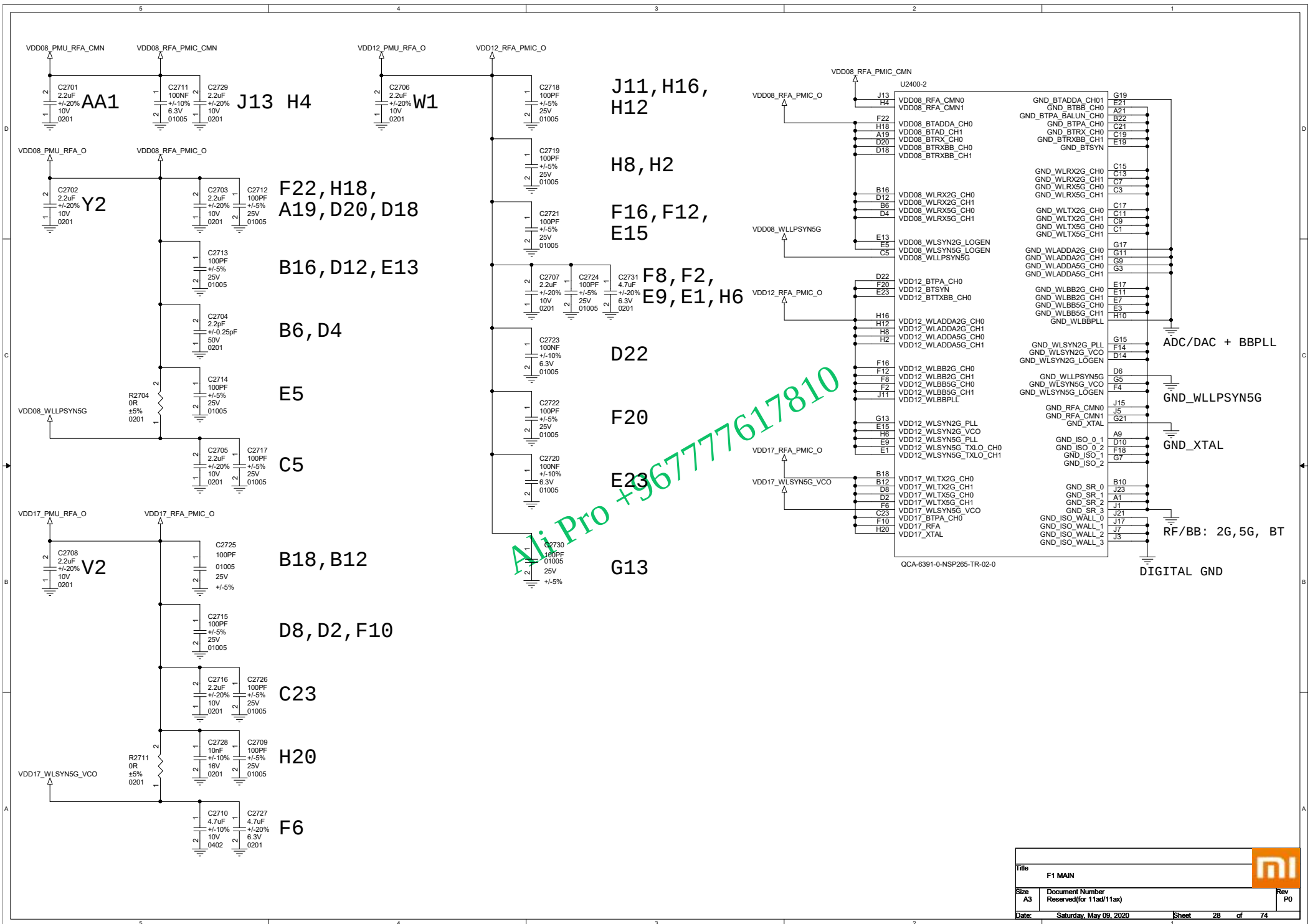
				
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Size A3	Document Number Reserved(for PA)			Rev P0
Date:	Friday, May 29, 2020		Sheet 23 of 74	



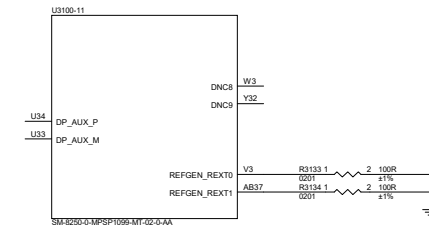


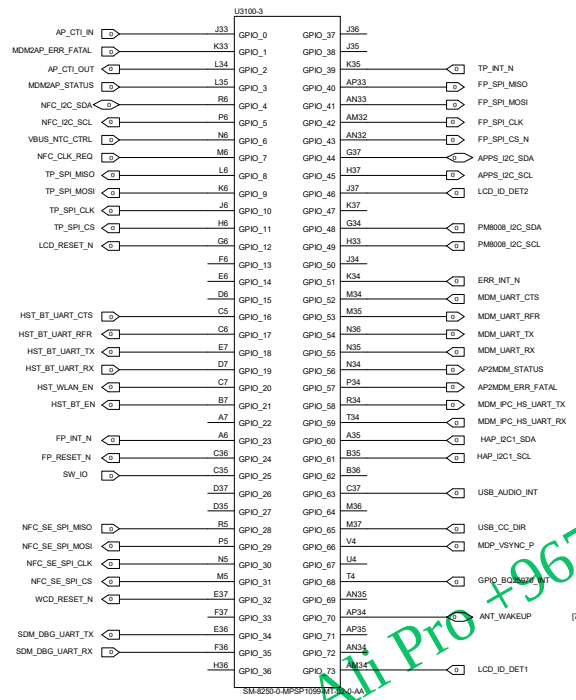


				
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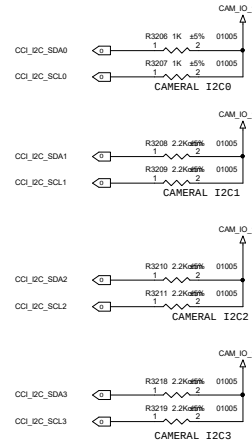
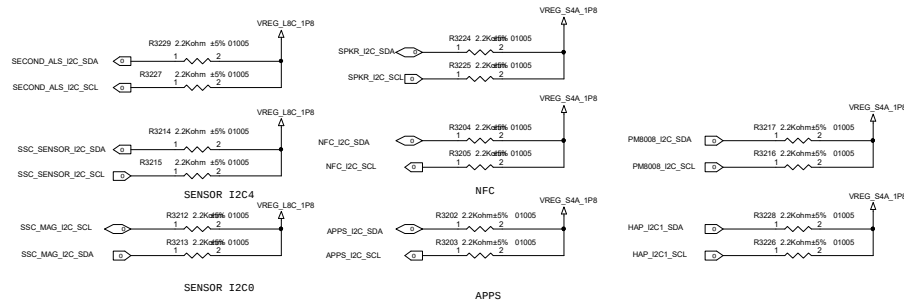


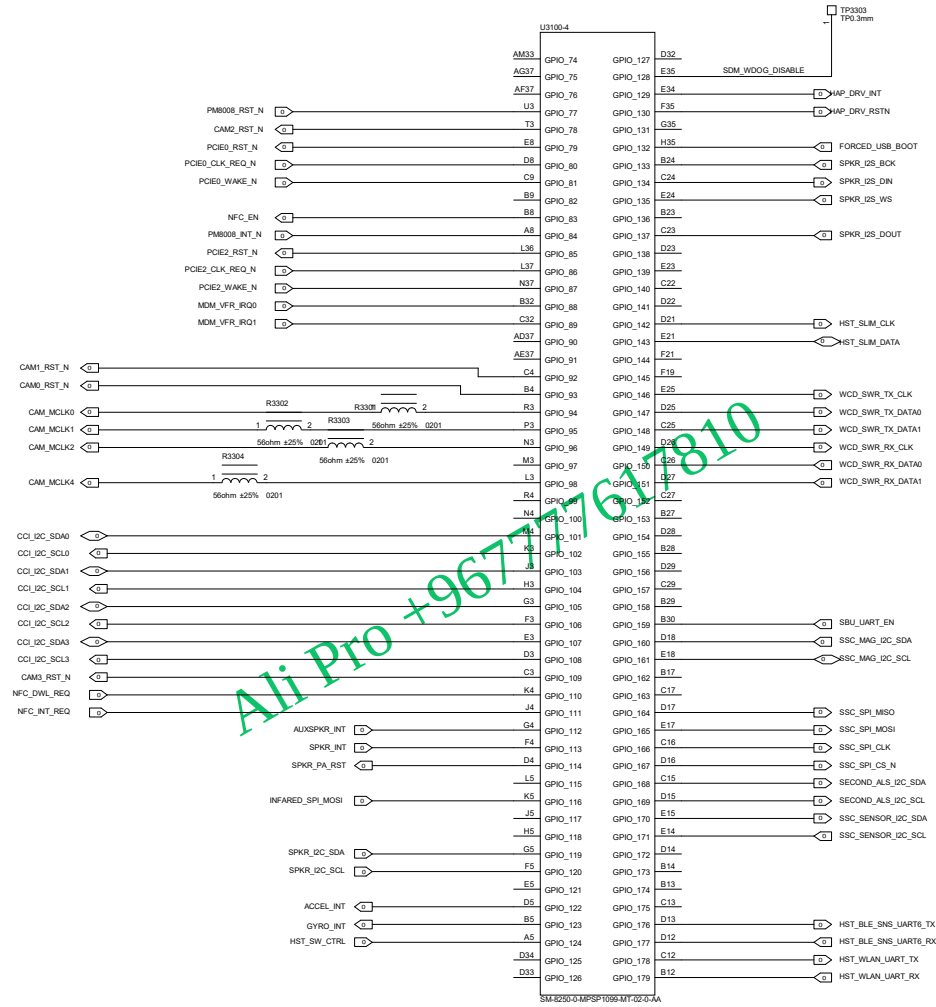
SM8250 LP4: Mount R3129/R3130/R3131/R3132





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REAR CAMERA WIDE
108M

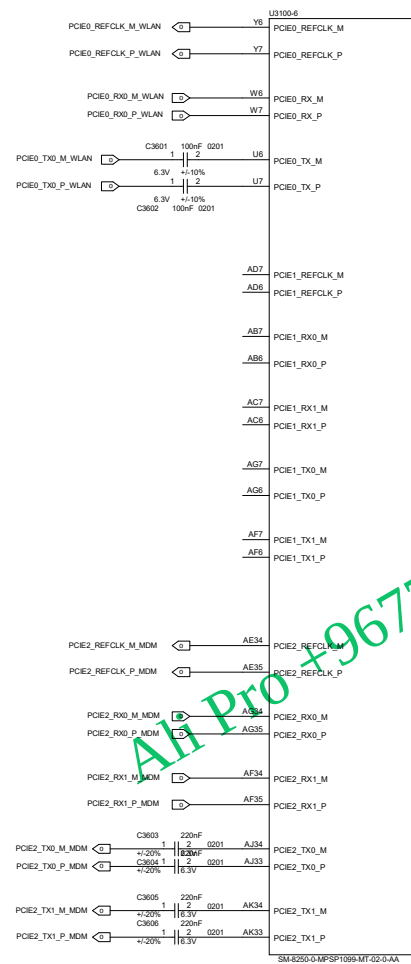
MICRO CAMERA TELE
MICRO 5M

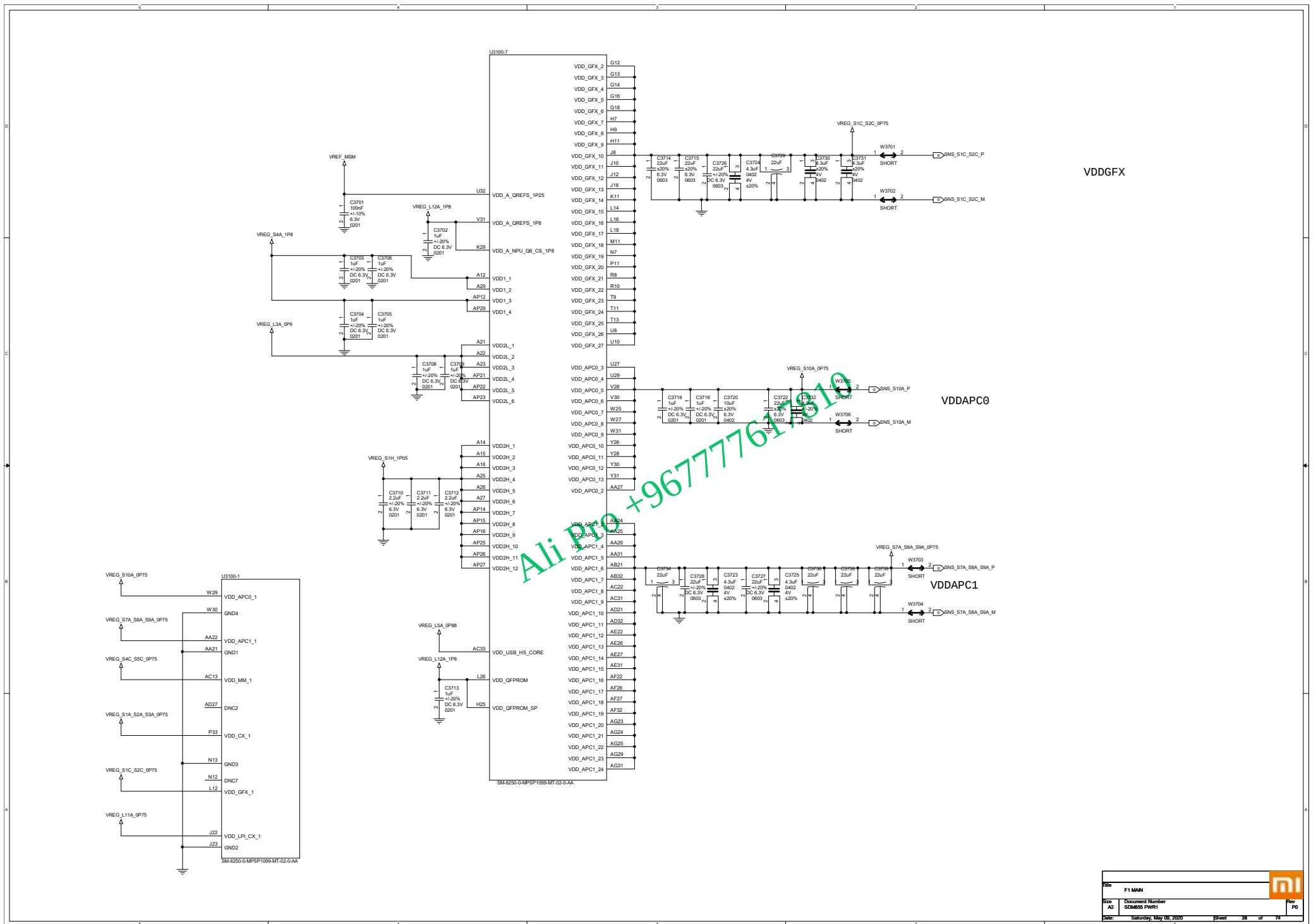
ULTRA WIDE CAMERA
13M

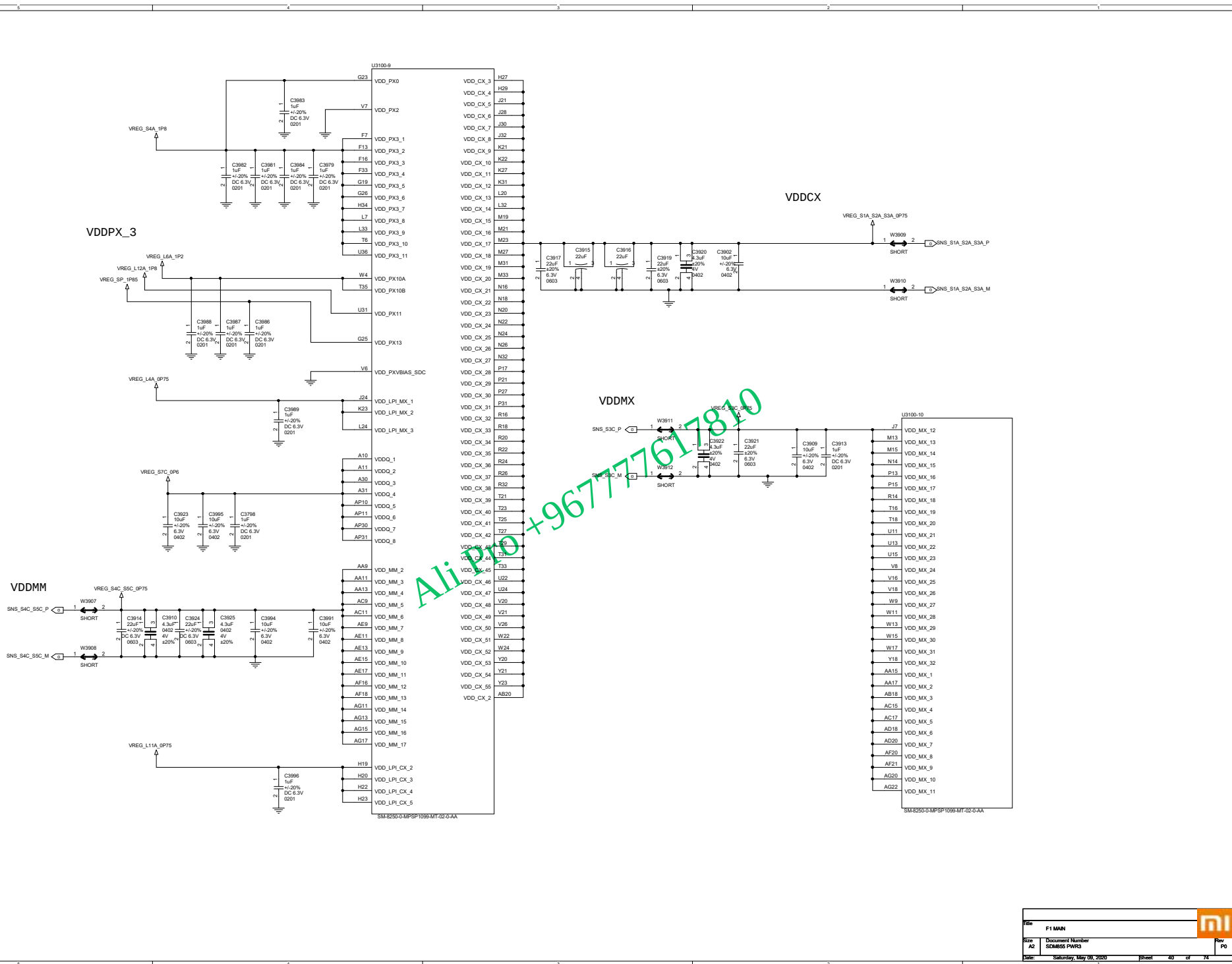
20M
FRONT CAMERA

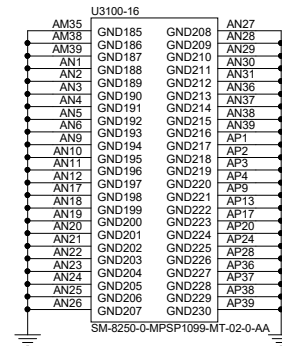
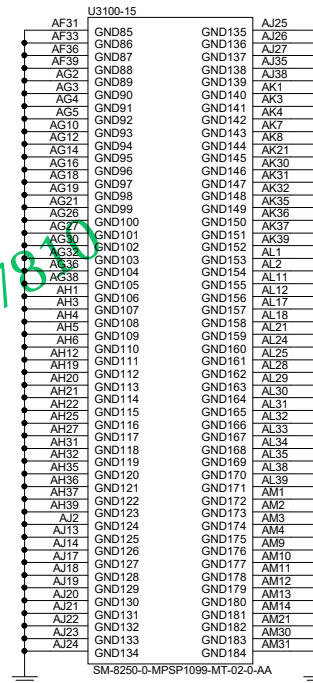
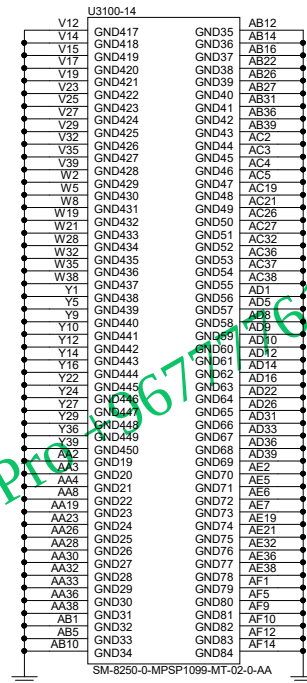
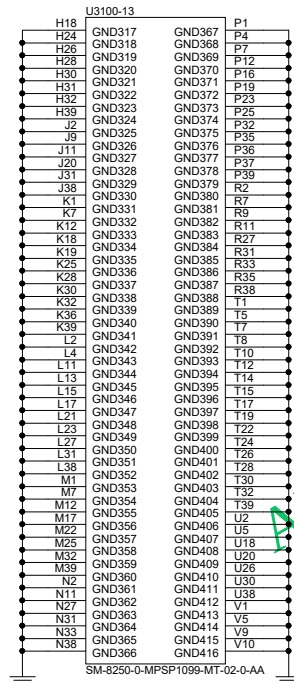
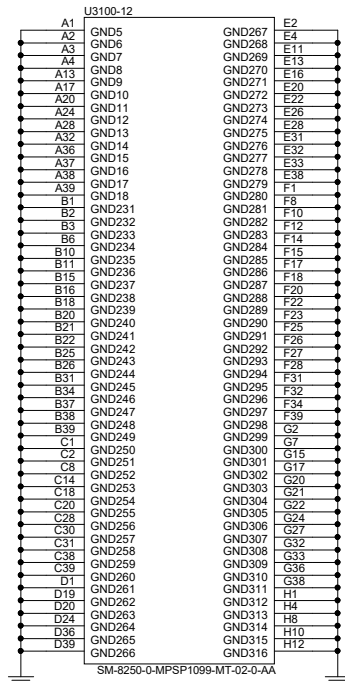
DISPLAY

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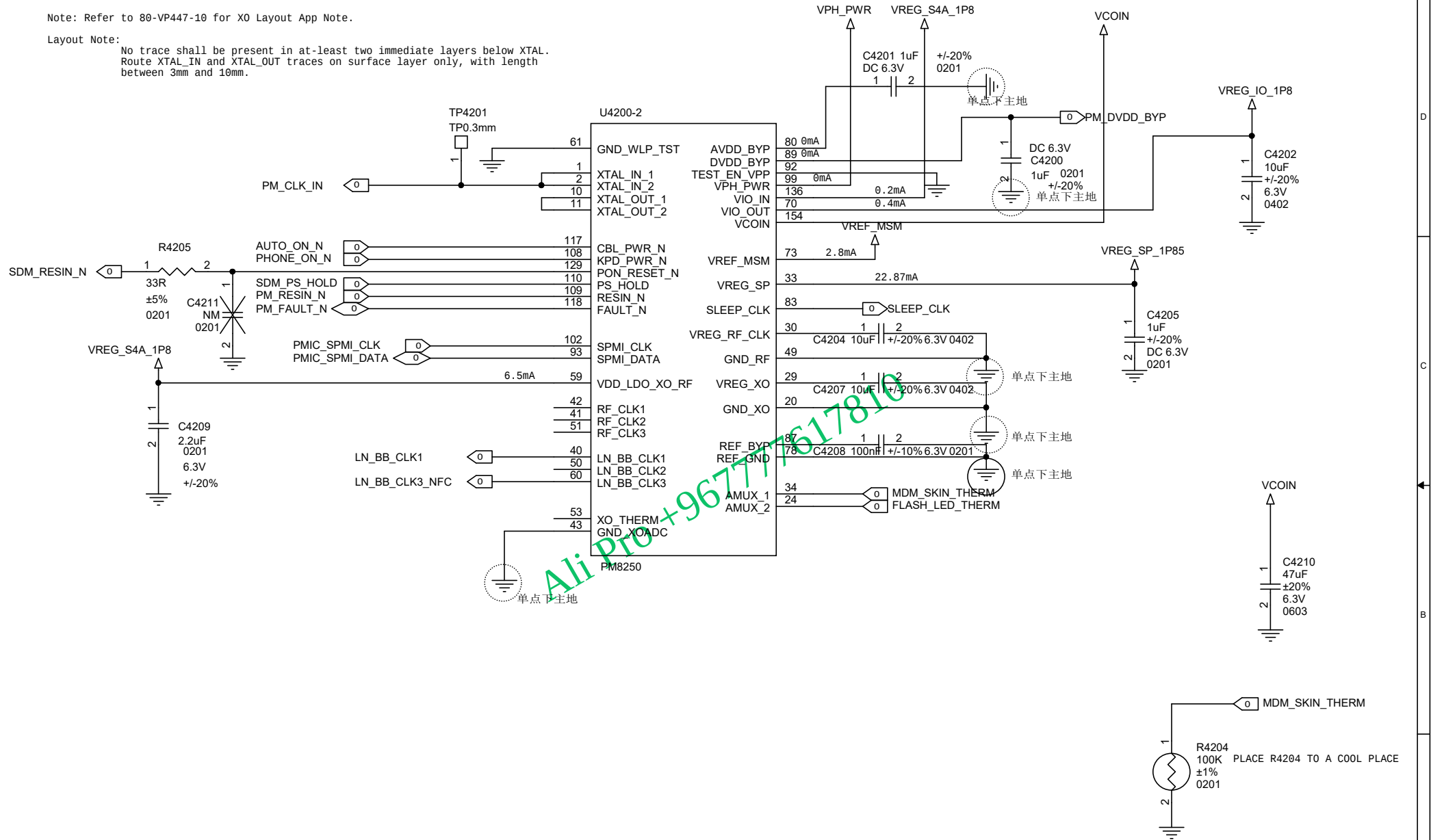




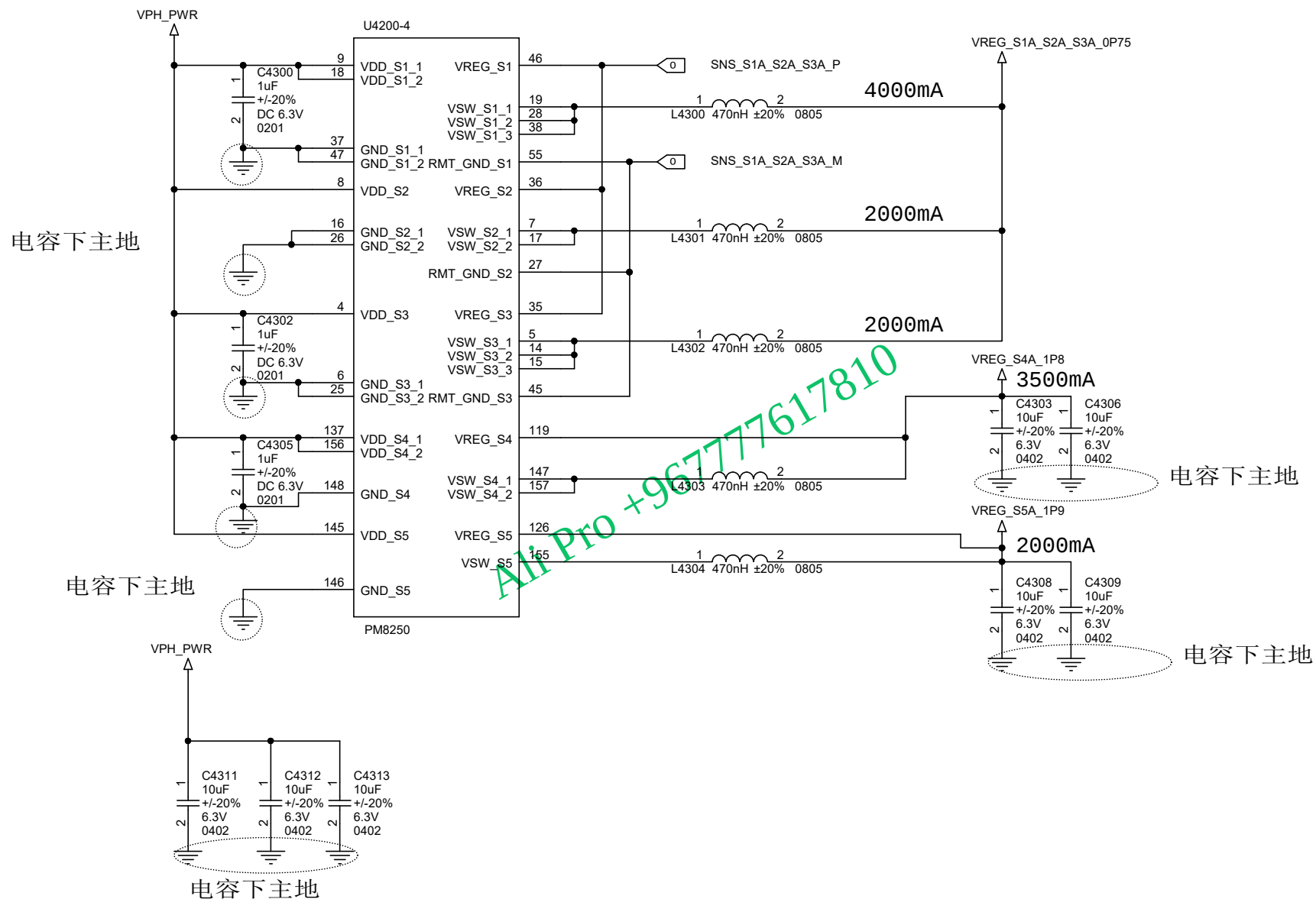
Note: Refer to 80-VP447-10 for XO Layout App Note.

Layout Note:

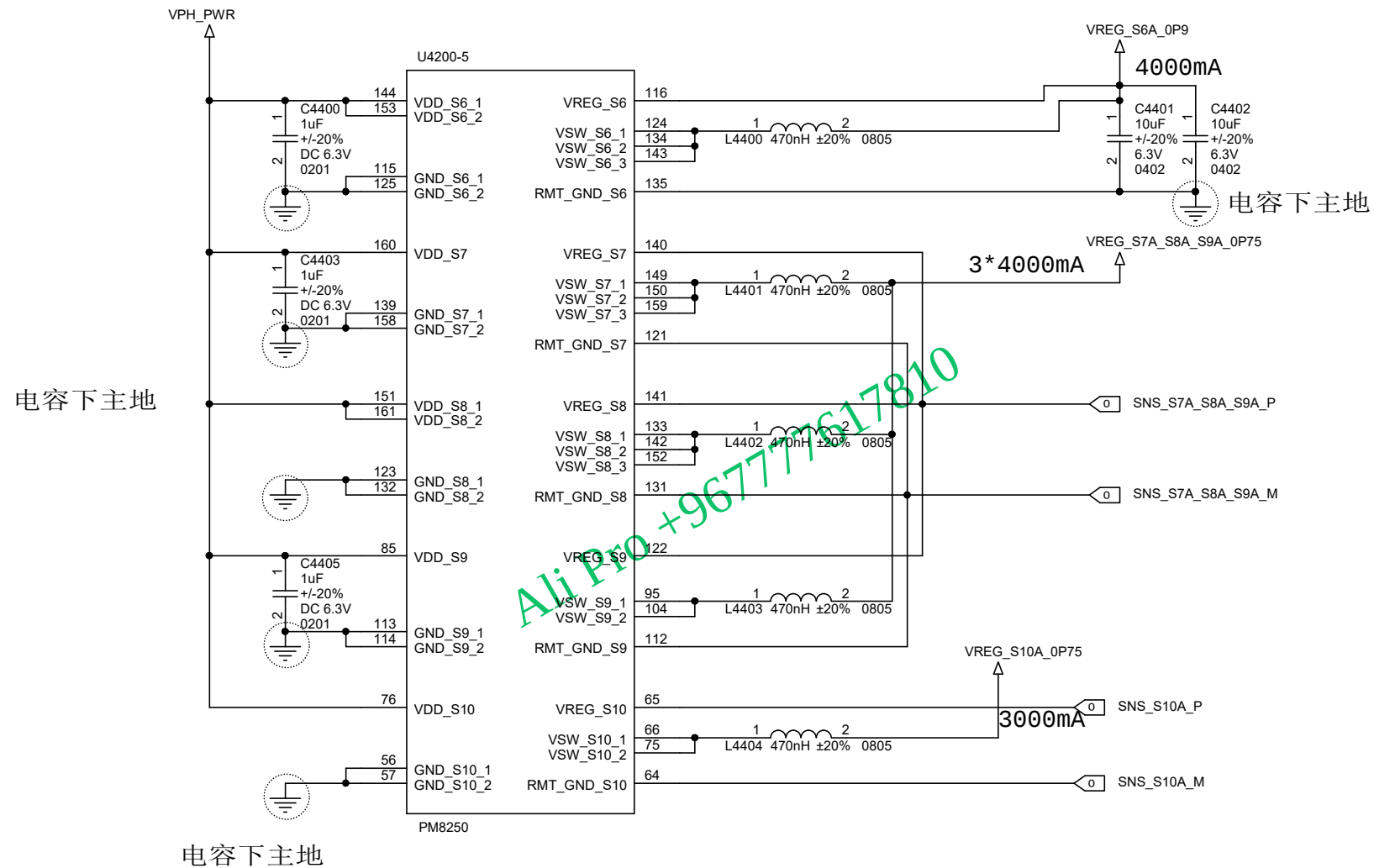
No trace shall be present in at-least two immediate layers below XTAL.
Route XTAL_IN and XTAL_OUT traces on surface layer only, with length
between 3mm and 10mm.



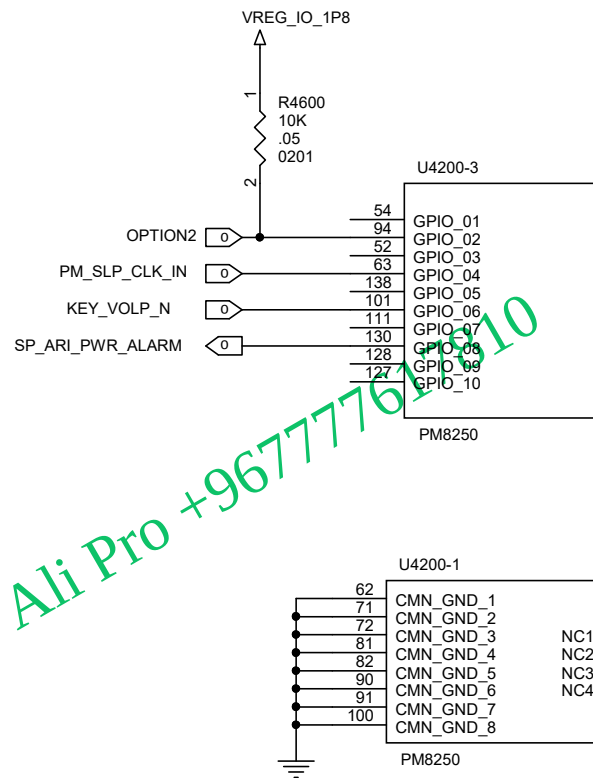
			
Title F1 MAIN			
Size A4	Document Number PM855 XO&CTRL	Rev P0	
Date: Monday, June 15, 2020	Sheet 43	of 74	



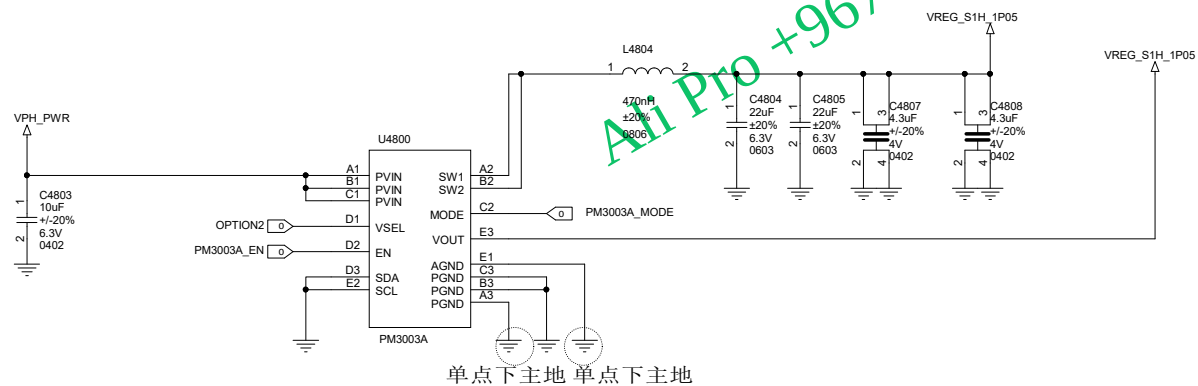
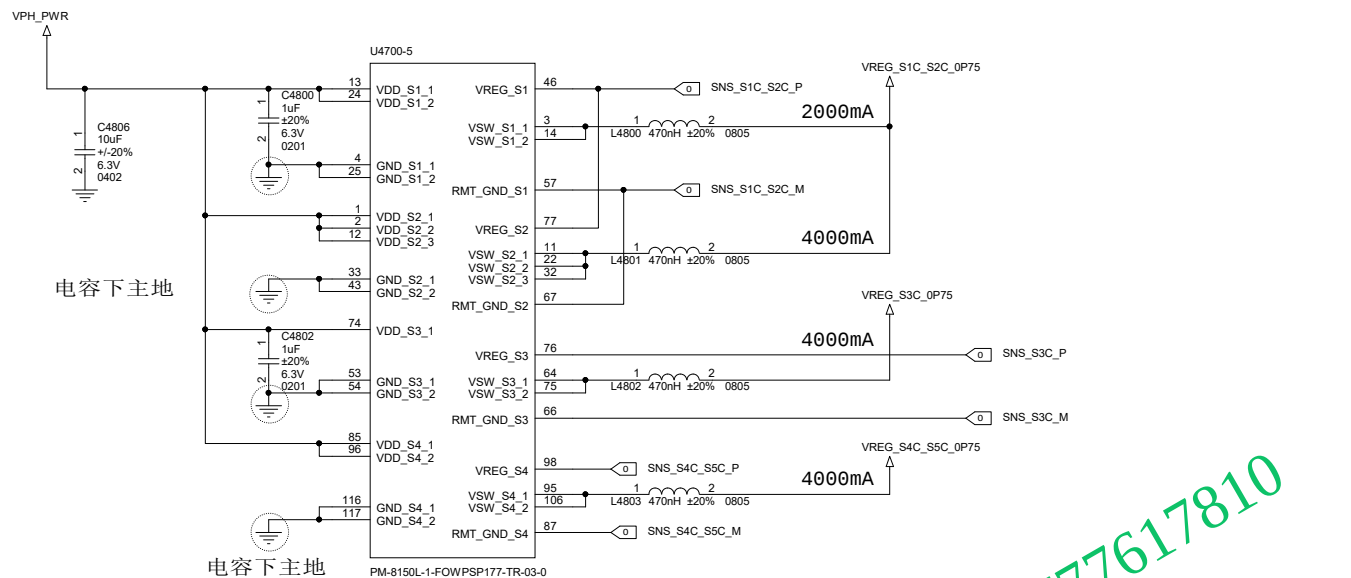
				
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Size A4	Document Number PM855 BUCK CONVERTER1			Rev P0
Date:	Saturday, May 09, 2020		Sheet 44 of 74	



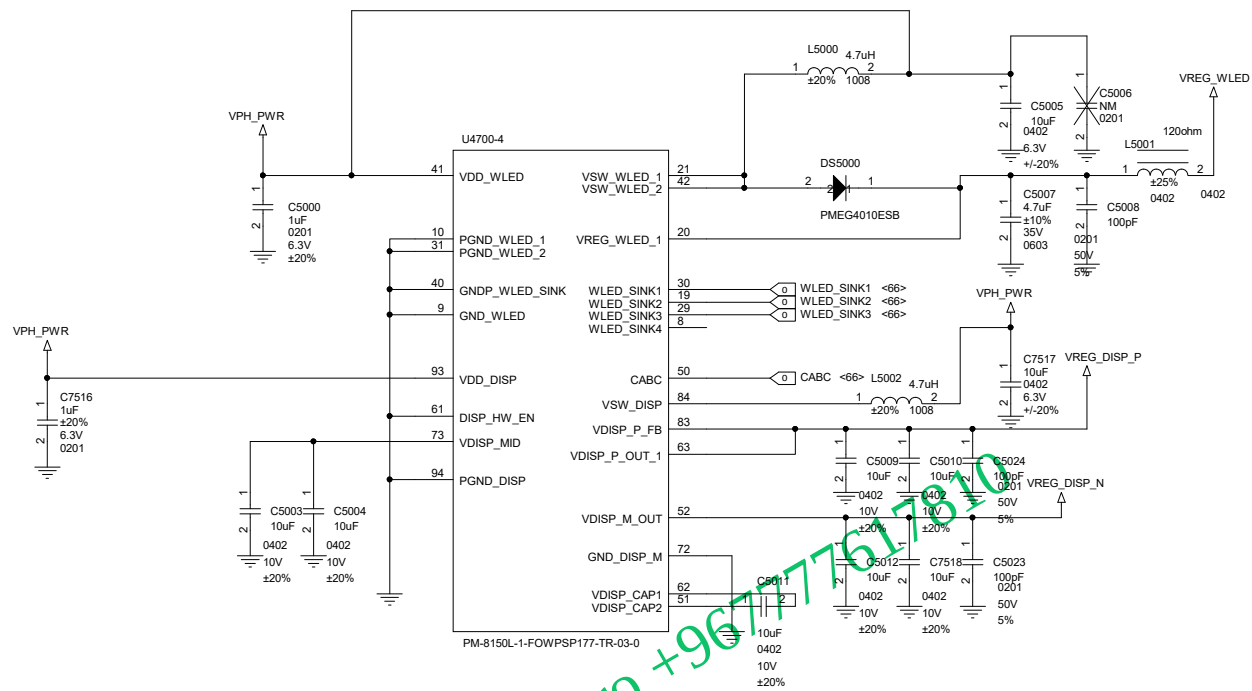
				
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Size A4	Document Number PM855 BUCK CONVERTER2			Rev P0
Date:	Saturday, May 09, 2020	Sheet	45 of 74	



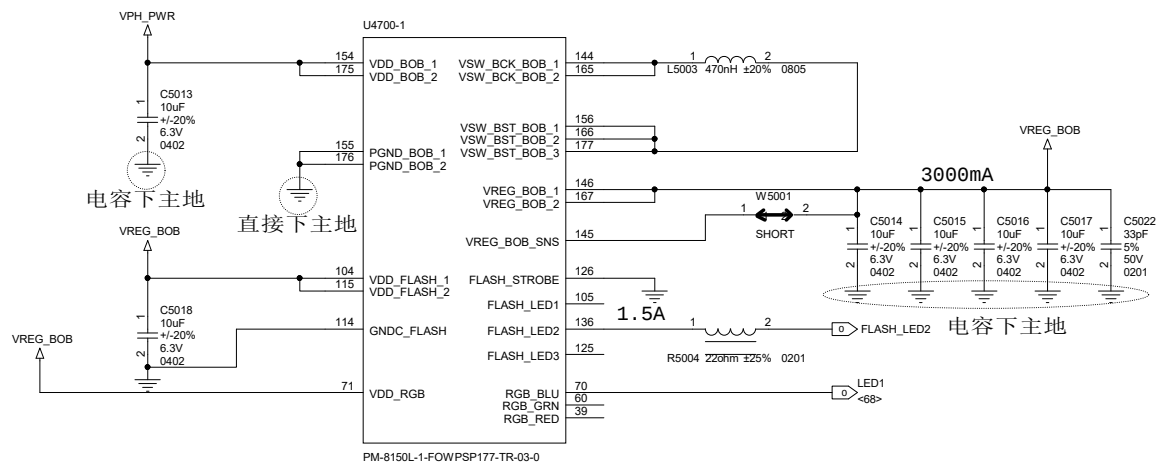
				
Title F1 MAIN				
Size A4	Document Number PM855 GPIO&GND			Rev P0
Date:	Saturday, May 09, 2020	Sheet	47 of 74	



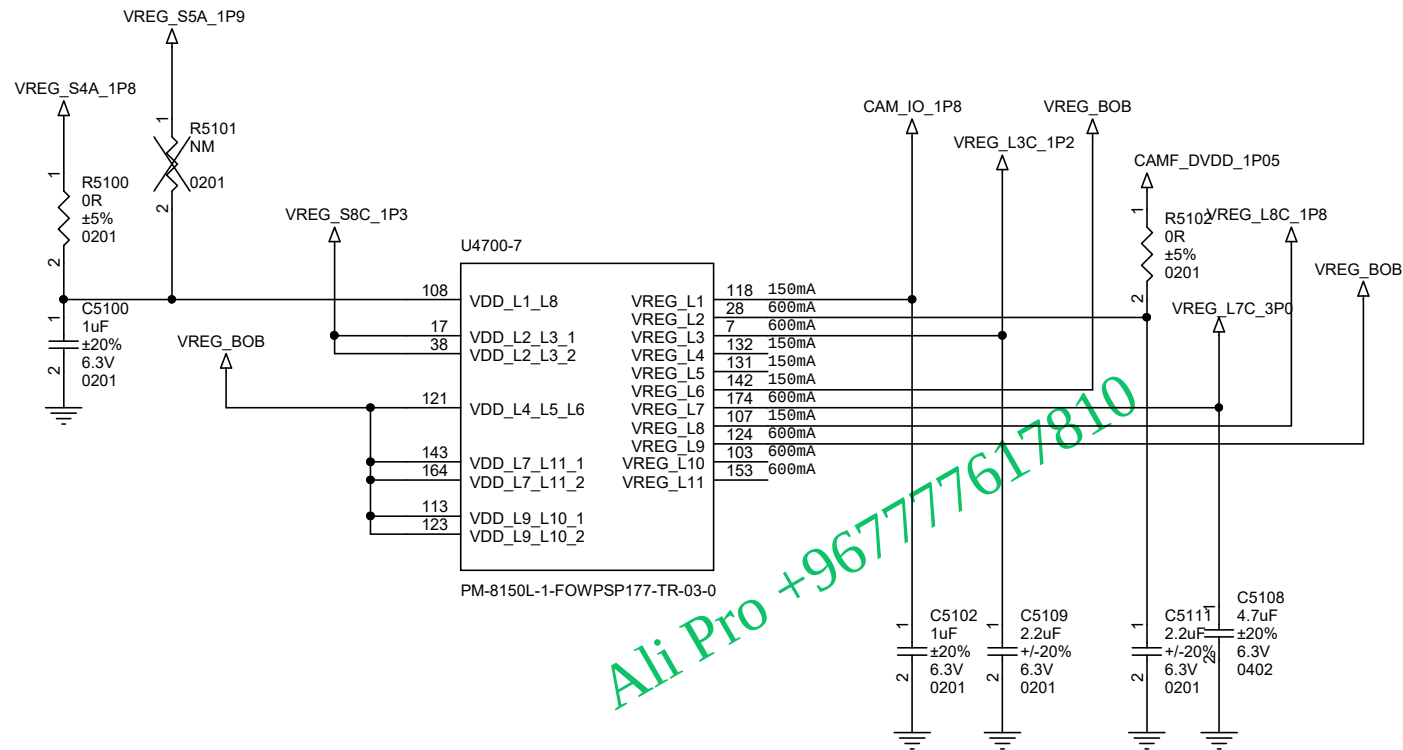
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Size	Document Number		
A3	PM855A BUCK CONVERTER1		
Date	Saturday, May 09, 2020	Sheet	49 of 74



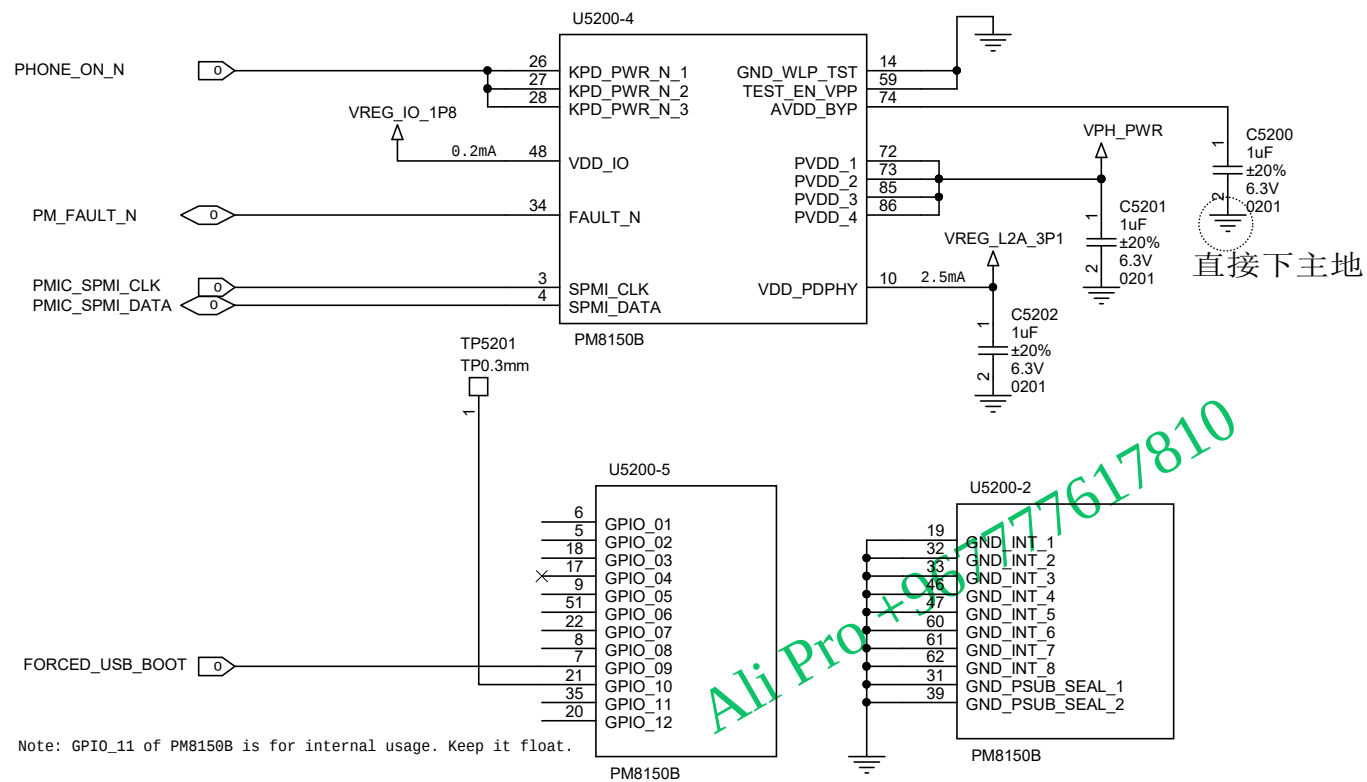
C5811 SHOULD BE CLOSE TO PINS AS POSSIBLE



			
Title F1 MAIN			
Size A3	Document Number PM855A AMOLED&BOB&FLASH		Rev P0
Date:	Wednesday, June 03, 2020	Sheet 50 of 74	



				
Title F1 MAIN				
Size A4	Document Number PM855A LDOs			Rev P0
Date:	Saturday, May 09, 2020		Sheet 51 of 74	

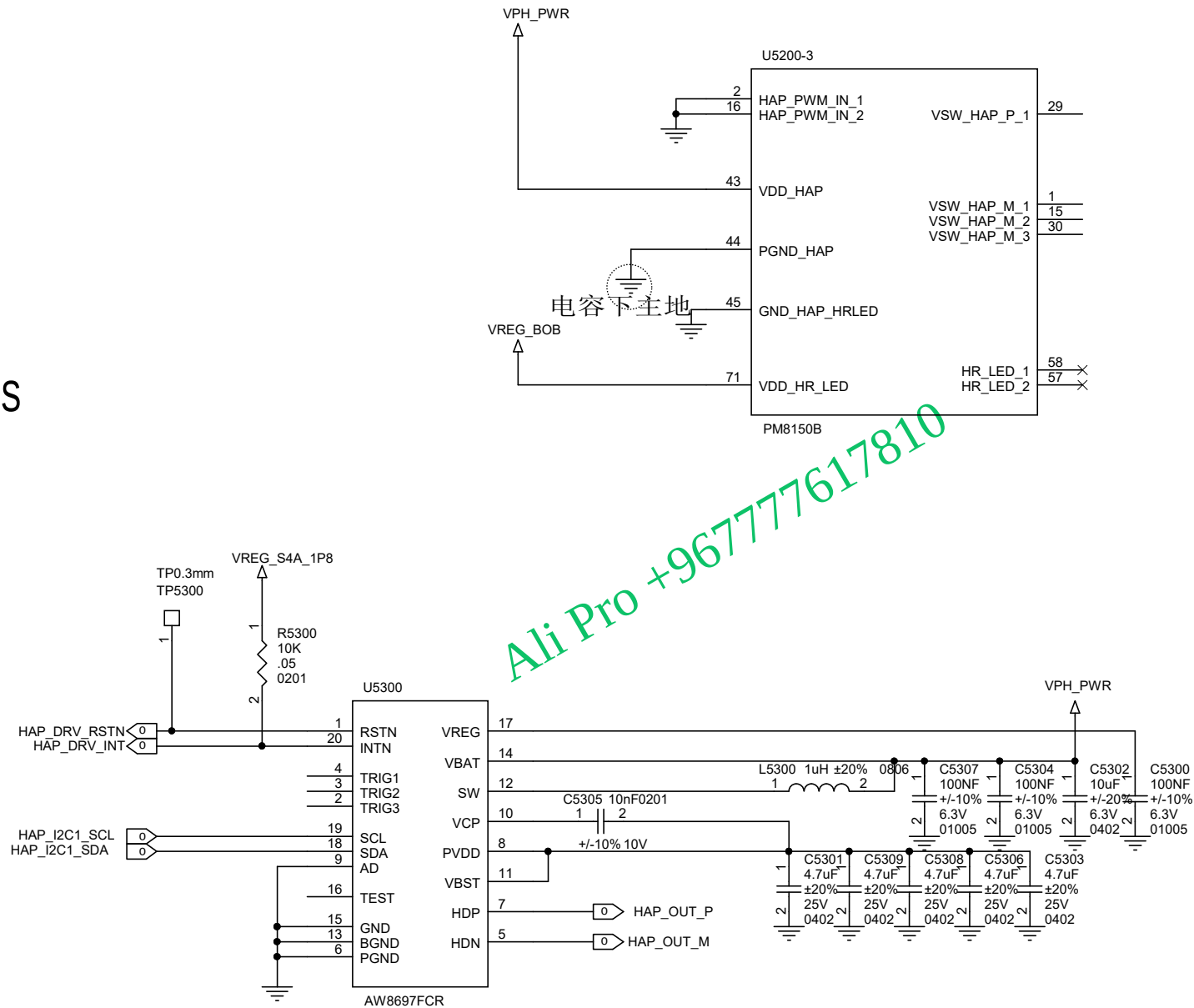


Note: GPIO_11 of PM8150B is for internal usage. Keep it float.

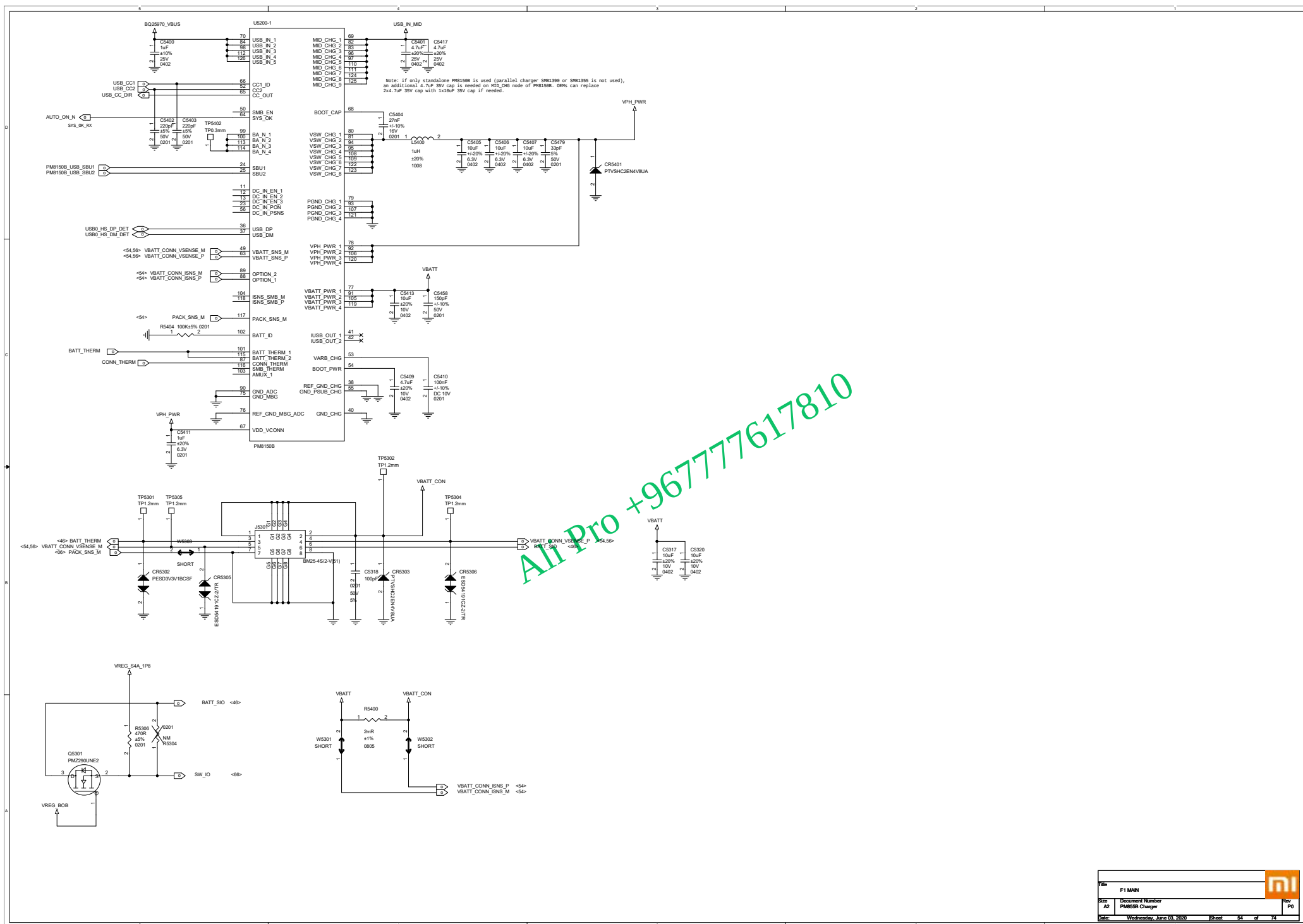
Note: GPIO_04 and GPIO_11 of PM8150B are for internal usage. Keep them float.
Keep GPIO_03 of PM8150B float. Don't use it for other purpose.
GPIO_06 of PM8150B is dedicated for SMB_STAT. Don't use it for other purpose.

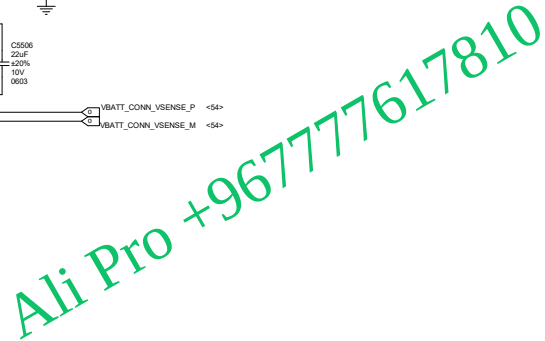
				
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Size	Document Number			Rev
A4	PM855B CTRL&GND			P0
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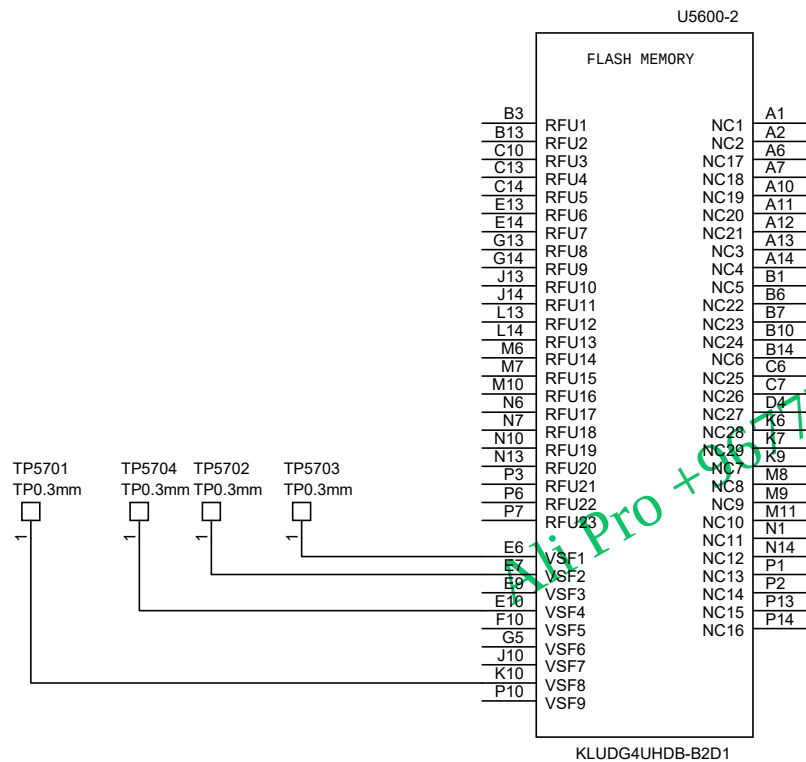
HAPTICS



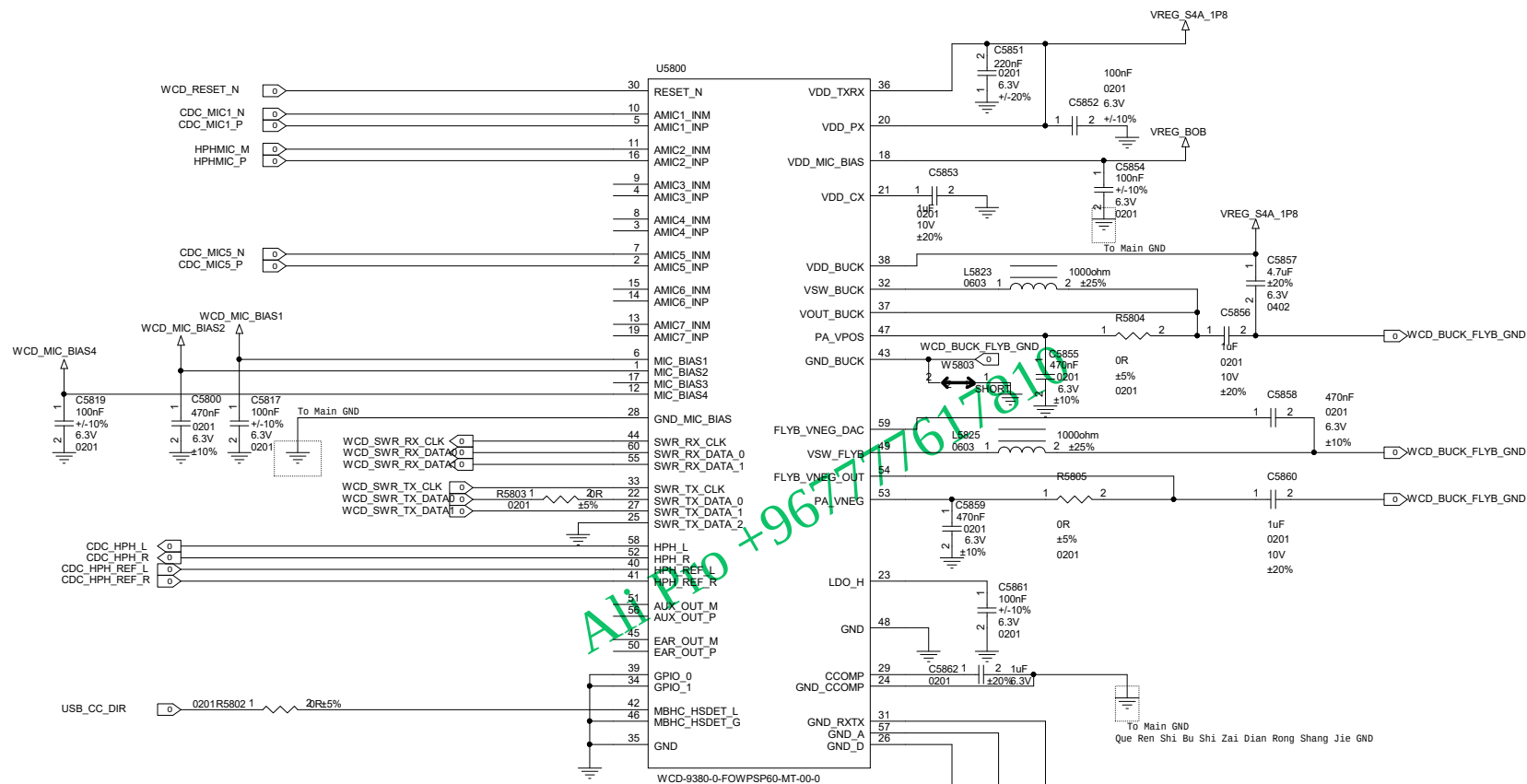
				
Title F1 MAIN				
Size A4	Document Number PM855B HAPTIC			Rev P0
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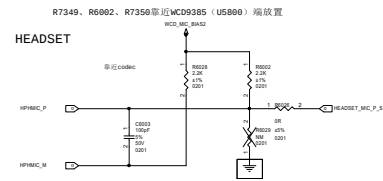


				
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F1 MAIN				
Size	Document Number			Rev
A4	MEMORY-2			P0
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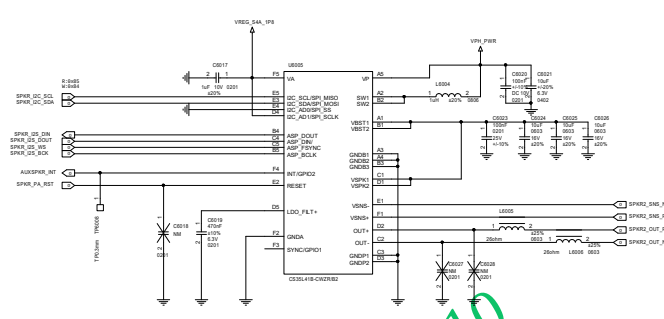
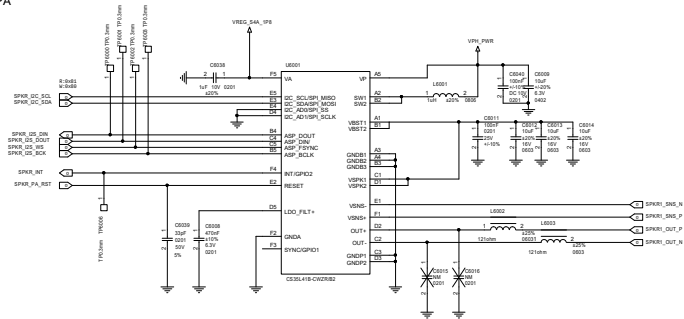


NOTE 1: ROUTE AN ISOLATED GROUND TRACE FROM CCOMP_REF TO THE CAP GROUND, THEN VIA TO THE MAIN GROUND PLANE
 NOTE 2: PLACE VDD_BUCK CAP AS CLOSE TO CHIP EDGE AS POSSIBLE AND MINIMIZE LOOP INDUCTANCE
 NOTE 3: USE SHORT AND WIDE TRACES FOR BUCK AND FLYBACK RELATED NETS
 NOTE 4: ANALOG MIC INPUTS SHOULD BE ISOLATED WITH GROUND FROM NOISY OR SWITCHING SIGNALS AND SUPPLIES

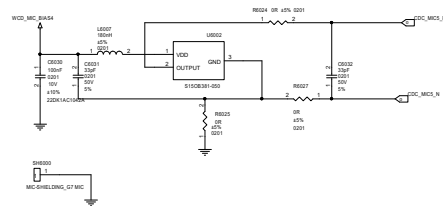
				
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F1 MAIN				
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A3	WCD9340-1			P0
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SPKR PA



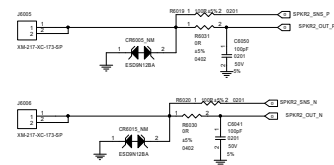
AUX MIC



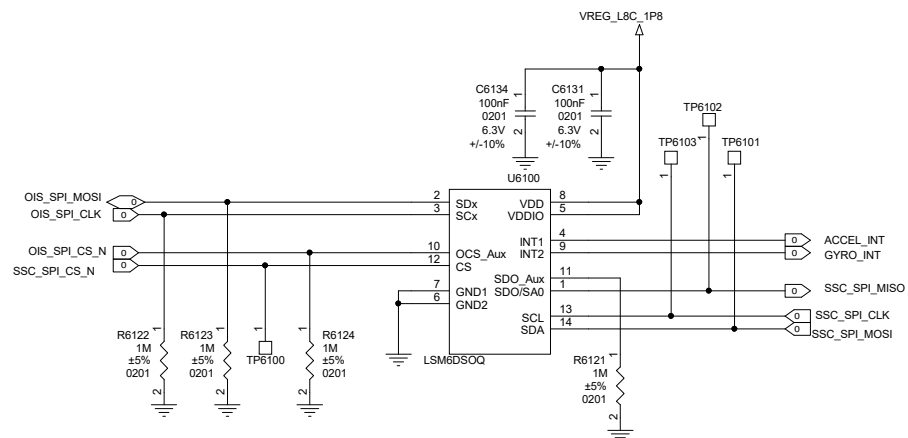
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RGB DRIVER

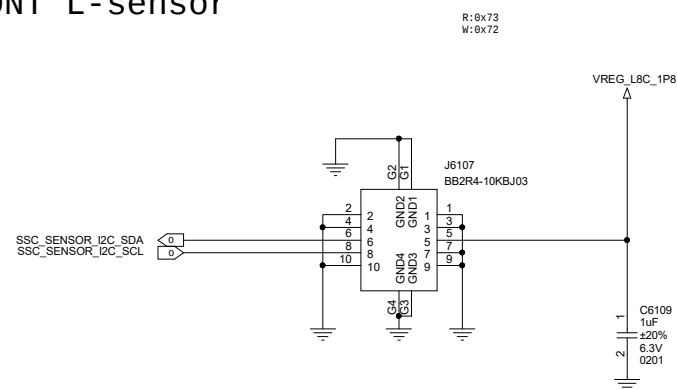
SPK2



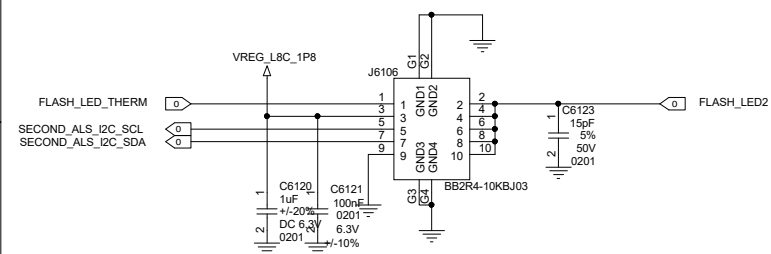
A+G



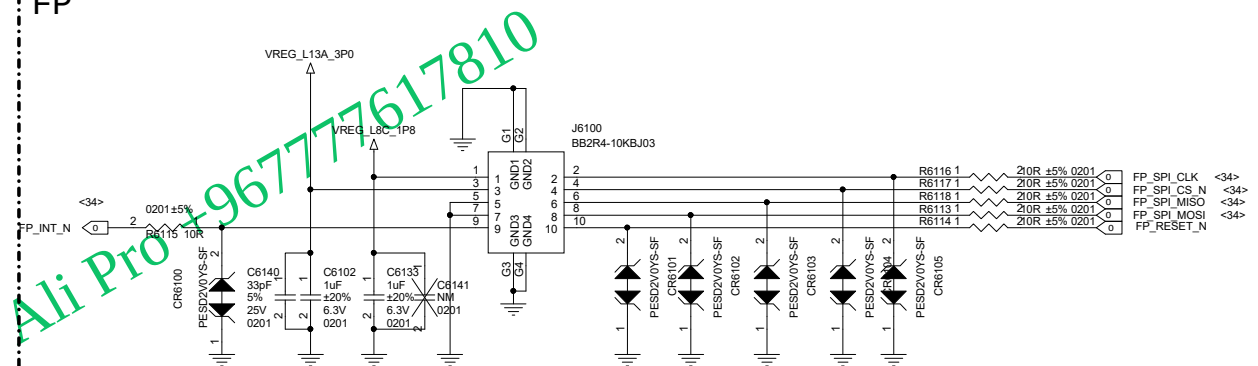
FRONT L-sensor



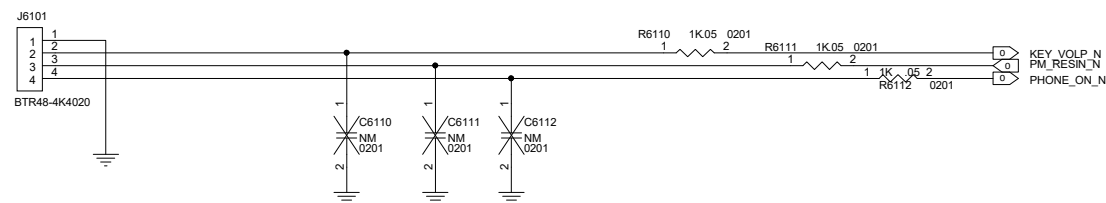
FLASH/BACK L-sensor



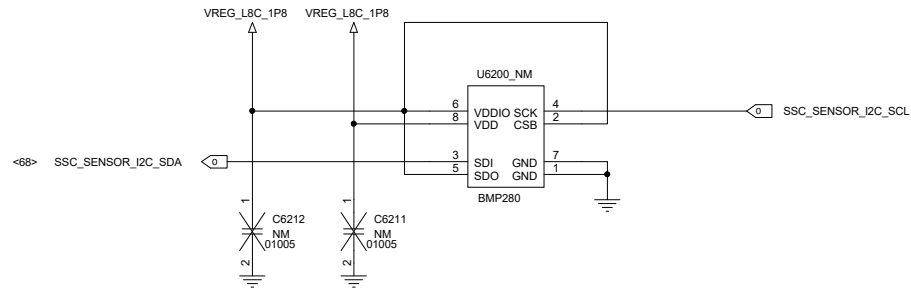
FP



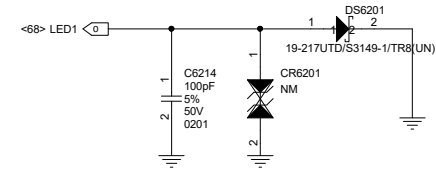
Sidekey



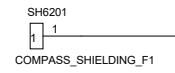
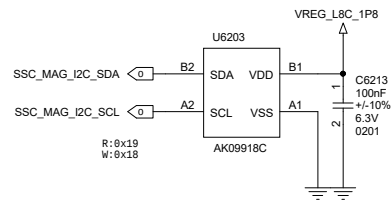
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LED

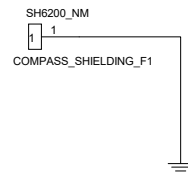
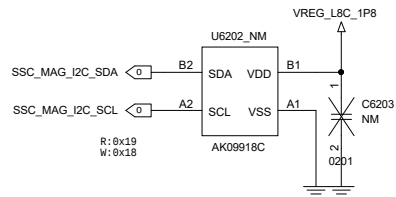


COMPASS

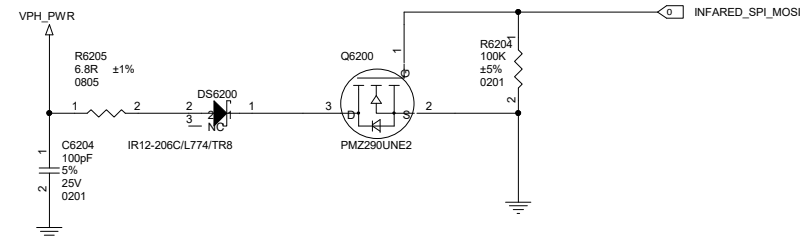


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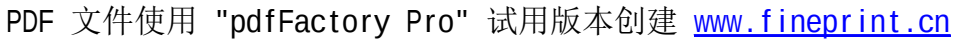
COMPASS

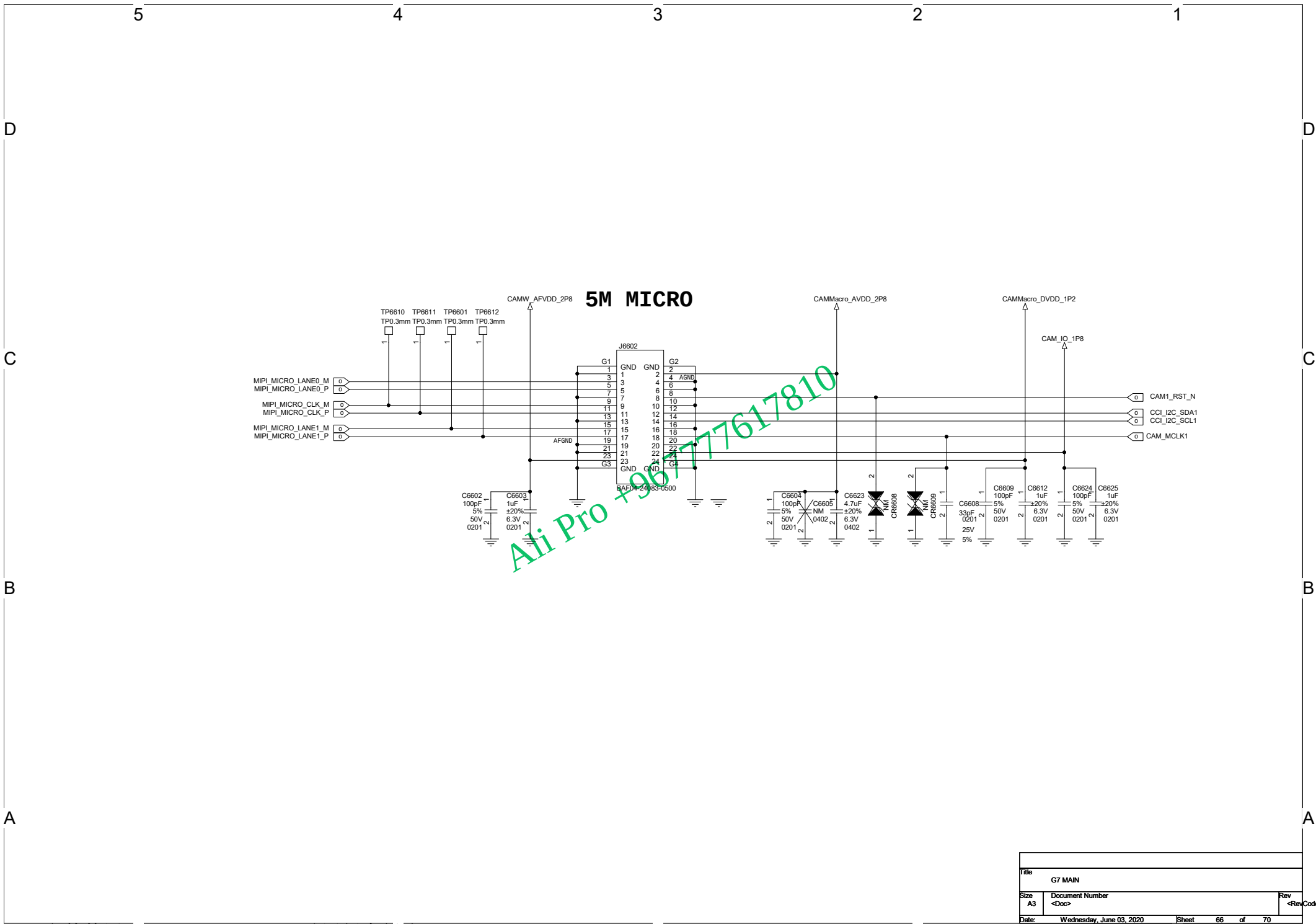


INFRARED



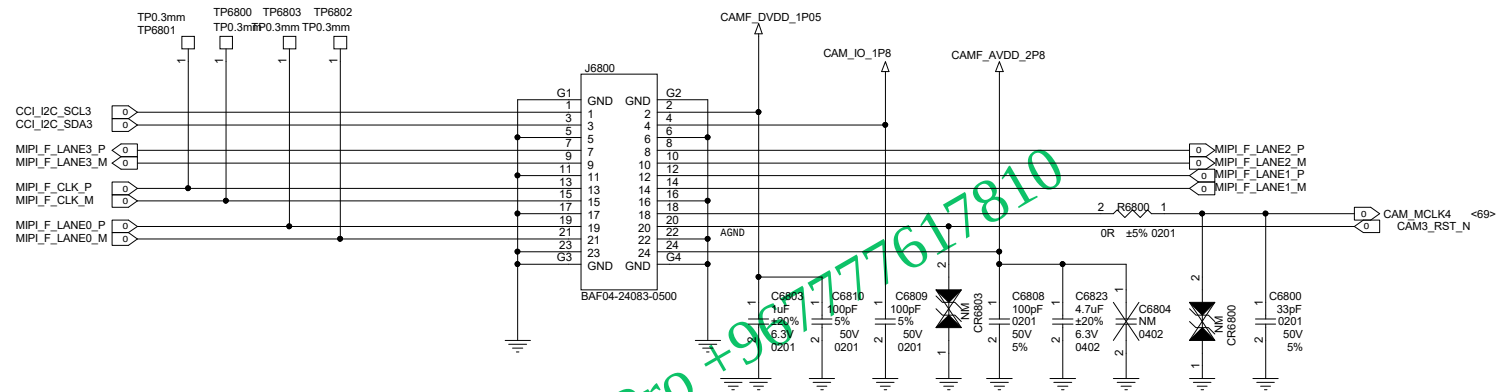
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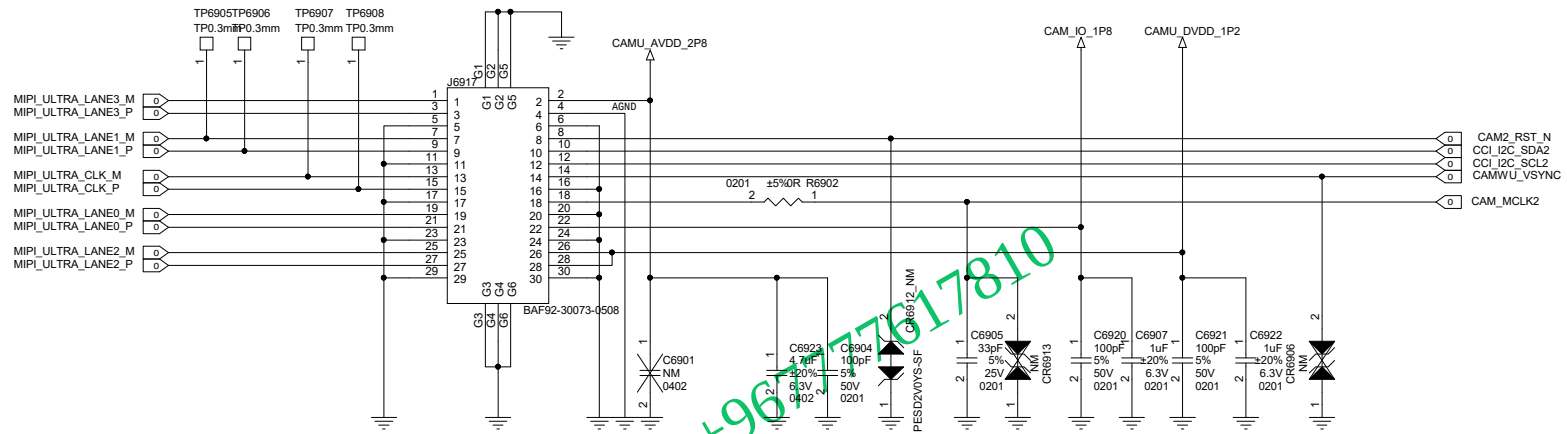
Title			
G7 MAIN			
Size	Document Number		Rev
A3	WIDE&TELE CAMERA		PC
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20M FRONT



Title		
G7 MAIN		
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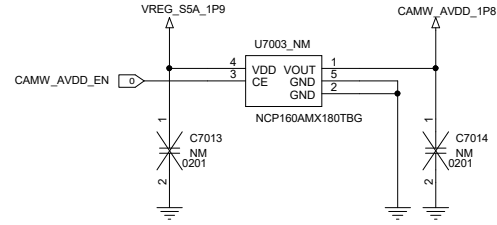
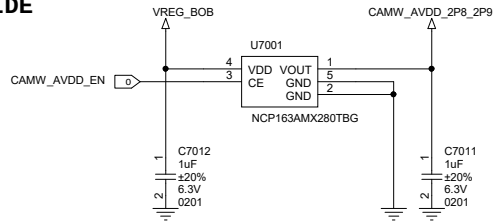
J3S ULTRA 13M CAMERA



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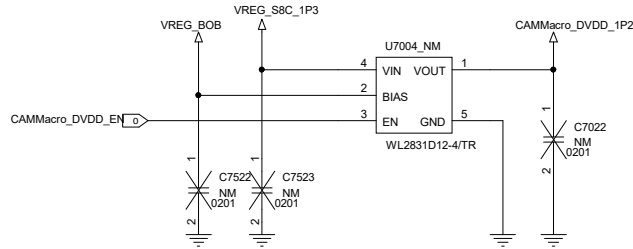
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G7 MAIN		
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A3	ULTRA CAMERA	P0
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WIDE

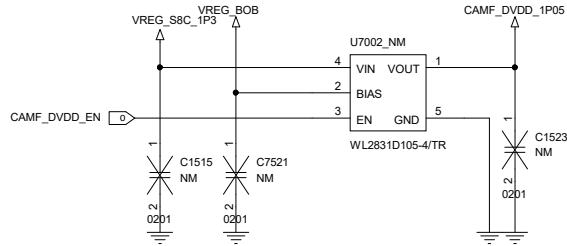


MICRO

此颗WL2831D12-4/TR将其NM掉 作为备选方案



FRONT

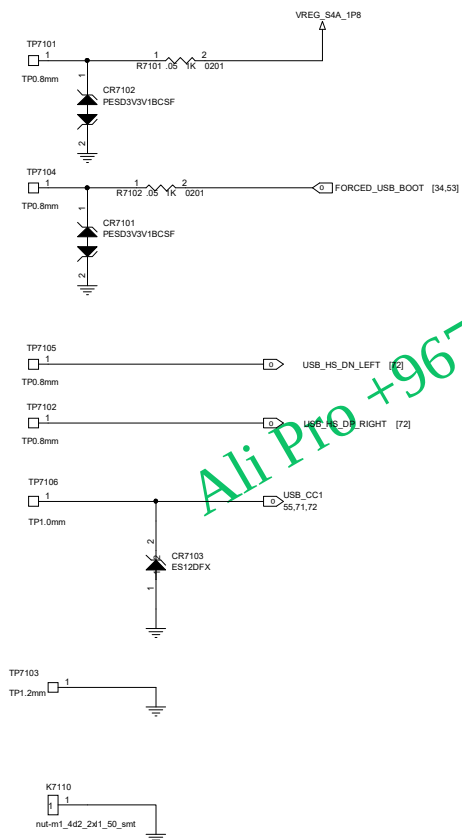


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From PMIC power

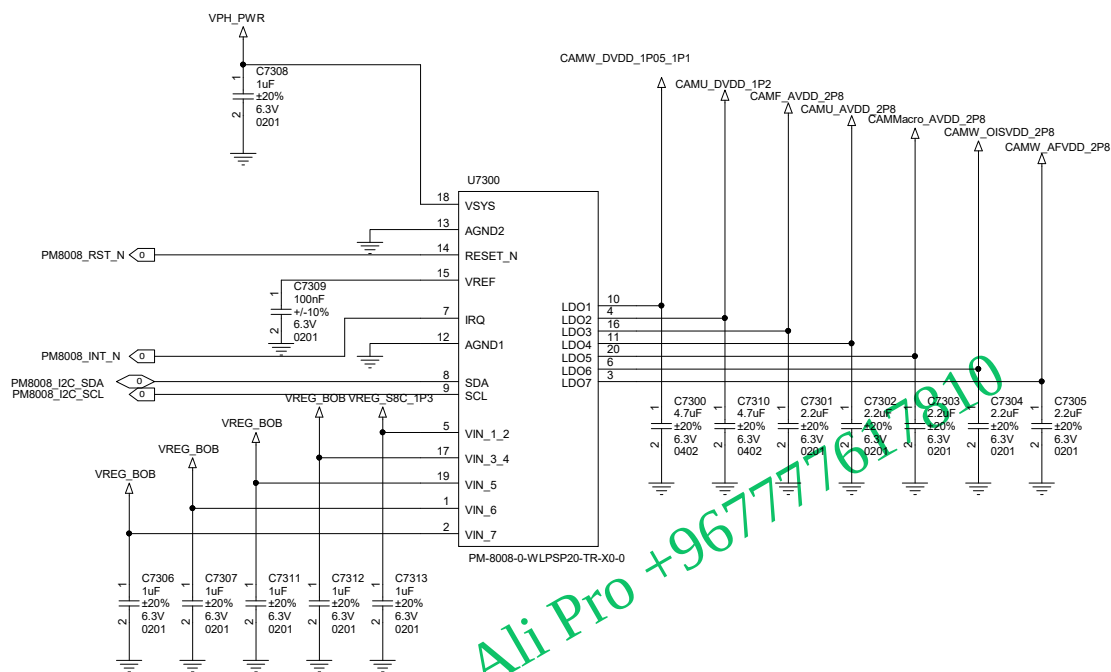


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G7 MAIN		
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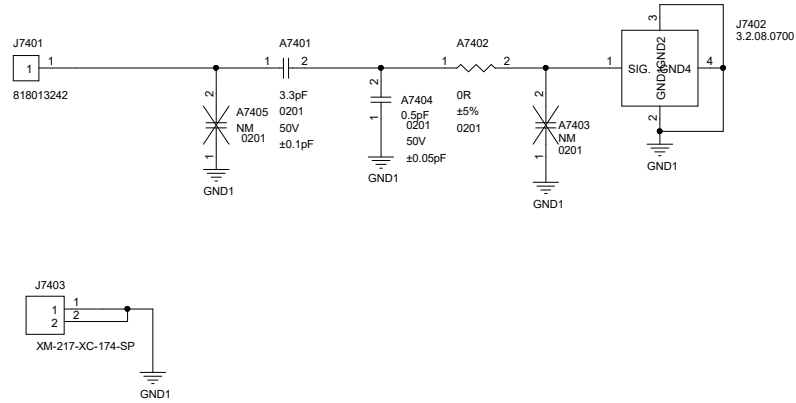
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Size	Document Number	Rev	<Rev Code>
C	<Doc>		
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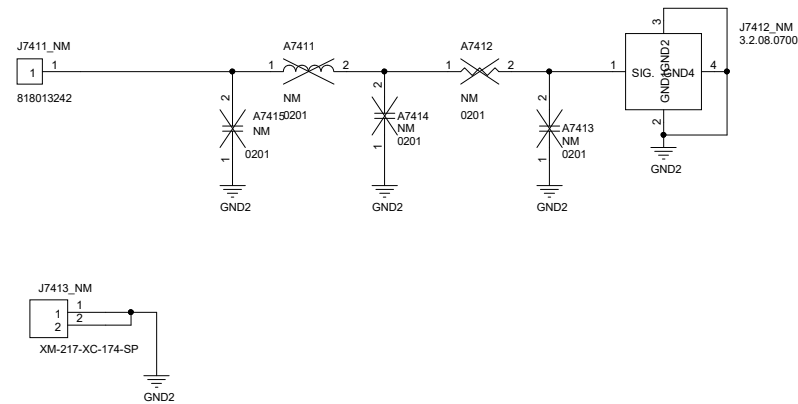
1. C7301为内部参考电压去耦电容，靠近pin 脚放置，
2. I2C address: 0x2,
3. AGND, 打到主地
4. L3~L7 性能相同，可以根据需求配置电压和用途
5. 对于新的sensor 可以外加NCP163作为AVDD供电，注意集成LDO和分立LDO的控制时序满足要求

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ANT7_N41/N78/N79



ANT7_N41/N78/N79__2



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